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Crustal Dynamics Project
Data Analysis--1991

VLBI Geodetic Results
1979-1990

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VLBI Geodetic Results 1979-1990

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CRUSTAL DYNAMICS PROJECT DATA ANALYSIS - 1991

I. INTRODUCTION

This report documents results obtained by the Goddard Crustal Dynamics Project VLBI Data Analysis Team from the analysis of the Mark III VLBI geodetic data available to the Crustal Dynamics Project (CDP) between 1979 and the end of 1990. These results are available from the Crustal Dynamics Data Information System (CDDIS) in printed form, on computer tape, on 5 1/4" IBM-PC floppy diskettes, or electronically.

A VLBI delay model contained in the International Earth Rotation Service (IERS) standards (McCarthy, 1989) was used for the analysis. The model has a comprehensive treatment of special and general relativity and is correct at the level of a few picoseconds. These baseline lengths are then in a geocentric coordinate frame in the general relativistic sense.

Data from fixed stations, mobile sites, and transportable antennas obtained in observing sessions sponsored by the CDP, the National Geodetic Survey (NGS), the U.S. Naval Observatory (USNO), three German organisations--the Institute of Applied Geodesy (IfAG), Geodetic Institute of the University of Bonn, and the Geodetic Research Institute, and three Japanese institutions--the Geographical Survey Institute (GSI), the National Astronomical Observatory (NAO), and Communications Research Laboratory (CRL), are included in this report. The fixed and mobile data are combined in the analysis and presented together. The VLBI group delay observable is primarily used in the analysis. Phase delay observations are only used in two sessions discussed below. Much of the material is presented graphically to give the user greater insight into data quality and geodynamic implications. However, all of the underlying results are available in the machine-readable version of this report. The results presented here are complete in that they include all available relevant VLBI data and supersede results given in previous reports. The values were estimated from three new least-squares adjustments designated GLB751, GLB753, and GLB754, which are discussed in section IV.

Site velocities have been estimated directly for 64 sites. Sufficient data are lacking to estimate velocities for another 23 sites. One site, HRAS 085, was treated as a special case, discussed later. These site velocities are tabulated together with reference positions at January 1, 1988 in geocentric Cartesian coordinates. The correlation matrix for these positions and velocities is included so that the site positions and uncertainties can be extrapolated to other epochs. Additionally, annual site positions and uncertainties for 1979 through 1992 derived from these velocities are tabulated for ease of interpolation. Velocities for these same sites are also tabulated in topocentric coordinates; horizontal rates, azimuths and error ellipsoid parameters are included. The velocities are also given relative to the NUVEL tectonic plate motion model (DeMets *et al.*, 1990).

There are significant differences between the data and analysis presented in this year's annual report compared with that of previous years. Data bases not previously used include several CDP research and development and advanced technology development sessions, as well as data received from the USNO and from the Japanese and German organizations indicated above. Changes in the analysis include the use of the 1990 International Terrestrial Reference Frame (ITRF90) (Boucher, 1990), the NUVEL tectonic plate motion model, an episodic motion model applied to selected sites, and the wet Chao mapping function for atmosphere estimation (Chao, 1965). Also, the velocities for selected pairs of nearby sites were linked, and rates were calculated for Earth orientation parameters.

Each tabular section of this report is introduced by a page which describes the section contents in detail. The information on these introductory pages is collected in the file CONTENTS.91 in the machine-readable version.

II. DATA

A. Instrumentation

The Mark III instrumentation is described in detail by Rogers *et al.* (1983) and Clark *et al.* (1985). Its most important characteristic is the ability to sample and record up to 28 discrete frequency channels simultaneously, each up to 4-MHz in bandwidth. The current standard CDP practice is to use 14 frequency channels of 2-MHz bandwidth, 8 applied to X-band (spanning 360 MHz around 8.4 GHz) and 6 to S-band (spanning 85 MHz near 2.3 GHz). Some CDP research and development sessions used twice the standard spanned bandwidth and twice the standard single channel bandwidth. Observations on individual sources run from 90 to 800 seconds. Real-time logging of barometric pressure, temperature, relative humidity, and cable length calibrations is an integral part of the Mark III system. Hydrogen masers serve as both time and frequency standards for all observing sessions. Phase calibration tones are injected into the receiver front end providing reference signals to remove instrumental dispersion.

B. Observing Programs

The CDP makes VLBI measurements in several geographic areas on different scales, as described below. In addition, the NGS coordinates the IRIS program, which observes for 24 hours at regular intervals to monitor Earth rotation. Similarly, the USNO Navnet program also monitors Earth rotation with another network. Data from the CDP, the USNO, the NGS, the GSI, and the Geodetic Institute of the University of Bonn, are the basis for the current analysis. There exist high-precision Mark III VLBI data which are not included here. These include CDP and NGS source surveys, IRIS daily 1-hour UT1 sessions, and some of the observations sponsored by the Deep Space Network, the U.S. Naval Observatory and the Naval Research Laboratory in the areas of astrometry and Earth rotation.

Mobile measurements use the Mark III recording, logging and timing systems described above for all VLBI observations. The antennas are mounted on platforms and the electronics are contained in trailers, both of which can be transported by truck, air, or barge. Mobile observations always employ several fixed-base stations as well as one or more mobile units. (The unit designated MV-1, the original mobile system, was stationed at the Vandenberg Air Force Base in 1983 and used there as a base station until the summer of 1990. It was later moved to YELLOWKN where it went into service in the summer of 1991.)

In addition to VLBI observations, the vector from a ground geodetic monument to the VLBI reference point of the mobile antenna (eccentricity) is recorded for each session. A single reference geodetic monument is used at each mobile site although the antenna may actually have been placed over different monuments for different site occupations. The eccentricity data are compiled by the NGS for the CDP and are available in the machine-readable version of this report in a file named ECCDAT.

The GSI employs a transportable 5-m antenna at some Japanese sites. This system is assembled on permanent foundations for the duration of a campaign and then may be disassembled and transported to another site.

The results presented here utilize the complete mobile data set for the period 1982 through 1990. Earlier single-frequency experiments are unusable because of the inability to calibrate the ionosphere.

The purposes of the various observing programs include:

Advance Technology Development, CDP sessions to test and improve observing strategies using fixed stations in North America.

Alaska, CDP sessions to monitor motions at several Alaskan mobile sites including three sites in seismic gaps near the boundary between the Pacific and North American plates. The last observations in this program were in the summer of 1990. There are currently no plans to continue the program.

Atlantic, U.S. to Europe sessions sponsored by the CDP designed to measure motion between North America and Europe.

California, mobile sessions sponsored by the CDP carried out to measure regional deformation and episodic motion in California especially at sites associated with the San Andreas fault.

CRL Japan, session sponsored by the CRL to determine the local tie between KASHIMA and KASHIMA34.

East Atlantic, U.S. to Europe sessions sponsored by the CDP to measure motion between North America and Europe with emphasis on European stations.

Europe mobile, mobile observing sessions carried out by the NGS for various European agencies at BREST, CARNUSTY, GRASSE, HOHENFRG, METSOHVI, and TROMSONO.

German, sessions sponsored by the Geodetic Institute of the University of Bonn, using stations in Germany, South Africa, China, and Japan.

Global, sessions sponsored by the CDP designed to measure a network spanning the Earth.

Japan, sessions sponsored by the GSI utilizing fixed stations and a transportable 5-m antenna to measure regional deformation in and around Japan.

IRIS-A and POLARIS, NGS-sponsored sessions designed primarily to monitor Earth rotation. These sessions began in November 1980 with HAYSTACK and HRAS 085 and were scheduled every 7 days. ONSALA60 participated when possible on a monthly basis. HAYSTACK was replaced by WESTFORD in June 1981. In August 1983 operations were increased to five-day intervals. Two new stations, RICHMOND and WETTZELL, were brought on-line in late 1983 and became fully operational in 1984. HRAS 085 was replaced with MOJAVE12 during the summer of 1989. Through the end of 1990 IRIS-A undertook one 24-hour session every 5 days with MOJAVE12, RICHMOND, WESTFORD, and WETTZELL along with the monthly participation of ONSALA60 and occasional participation by MEDICINA. Whenever possible, ONSALA60 continues to observe monthly. MEDICINA also participates occasionally.

IRIS-A EUR (European), sessions scheduled by adding a mobile unit at a European site during a regularly scheduled IRIS-A session.

IRIS-P (Pacific), observing sessions carried out by the Japanese NAO Earth Rotation Division using KASHIMA, NOBEY 6M and stations in the U.S.

IRIS S (South Africa), observing sessions carried out by the NGS using HARTRAO and the IRIS-A stations in Europe and the U.S.

Local Survey Ties, mobile sessions involving short baselines for the purpose of establishing local ties between fixed-antenna reference points and ground monuments used in other (such as satellite laser ranging or Global Positioning System) networks.

MERIT, a series of sessions in 1980 sponsored by the International Association for Geodesy and the International Union for Geodesy and Geophysics to demonstrate the efficacy of modern techniques in monitoring Earth rotation.

NCMN (National Crustal Motion Network), NGS-sponsored sessions to establish a grid of fiducial points across the U.S.

Navnet, USNO sessions designed to obtain precise measurement of Earth orientation and nutation parameters.

North American Plate Stability, transcontinental sessions sponsored by the CDP designed to measure the internal stability of the North American Plate.

Pacific, CDP sessions designed to measure networks in the Pacific Basin.

Polar, CDP sessions involving stations in Europe, the conterminous U.S., Alaska, and Japan. These sessions link the global VLBI reference frame by using stations which typically do not observe together in the same network.

Research and Development, CDP sessions designed to test innovations in hardware and scheduling techniques.

Trans-U.S., sessions sponsored by the CDP using fixed stations on the east and west coast of the U.S.

USNO test, early USNO sessions done in preparation for Navnets.

USNO Nav ex, USNO Navnet sessions with the addition of a European station to the network to improve the determination of UT1.

Western Canada, sessions utilizing mobile units in western Canada to establish a grid of fiducial points and measure the internal stability of the North American Plate.

Western U.S., mobile sessions sponsored by the CDP to measure deformation across the Basin and Range Province and in the boundary zone between the North American and Pacific plates.

C. Phase Delay Observations

Phase delay observations were made in a total of ten sessions. However, in the analysis presented in this report phase delay data were only used in two sessions, $84JAN07X and $84JAN14XP. The intrinsic precision of the phase delay is considerably better than that of the group delay, but the small size of the phase delay ambiguity limits its geodetic applications to short baselines or special schedules.

III. DATA ANALYSIS METHODS

A. Processing and Data Handling

Most of the CDP data discussed here were correlated by the Haystack Mark III correlator. Some IRIS data were correlated at the Max Planck Institute for Radio Astronomy in Bonn (FRG). Beginning in 1986, most IRIS and some CDP data were processed at the Washington correlator located at the U.S. Naval Observatory. All three correlators have identical designs, but their capabilities depend on the number of tape drives and high-density heads. Some data involving KASHIMA were correlated at Kashima using the Japanese K-3 correlator. For the purposes of this report the output of the four Mark III-compatible correlators can be considered indistinguishable. The output of these correlators is sent to either the analysis center at the Goddard Space Flight Center or similar centers at the NGS in Rockville, MD, and the USNO in Washington, DC where the data are organized by session and frequency band into Mark III databases. Calibration data, solar system ephemerides, Earth orientation information, *a priori* parameter values, partial derivatives, and theoretical delays and rates are added to each database prior to actual data analysis. In the analysis process information about editing, ambiguity resolution, solution parametrization, and data-variance-modification is added to the databases. The final database files are available to investigators from the CDDIS. The Mark III Data Base System utilities required to read the files have been implemented on HP1000, VAX 11/780, and HP-9000 series 300, 700, and 800 computer systems.

B. Models

The models adhere generally to the IERS standards (McCarthy, 1989), except for the permanent tide correction, which is not applied. The *a priori* precession and nutation models used in the data analysis are the J2000.0 and IAU 1980 models, respectively. Daily nutation offsets are estimated to overcome the deficiencies in these models. The *a priori* Earth orientation parameters from BIH Circular D and its successor, IERS Bulletin B, are interpolated to each observation epoch and then modified by the standard IERS model for short-period tidal variations in UT1. Daily polar motion and UT1 values and their rates are estimated. The tidal potential used to compute the effect of solid Earth tides is calculated using the JPL DE 200 ephemeris; the values of the Love numbers are 0.60967 for Love h, 0.085 for Love l, and zero for the phase lag. A pole tide model is also used. General relativistic solar deflection and retardation is modeled using 1.0 (Einstein's value) for γ. An axis offset model is applied for each antenna where the pointing axes do not intersect. The internationally defined value of the speed of light (299,792,458. m/sec) is used. The geophysical and astronomical models are embodied in the program CALC 7.0 developed by the Goddard VLBI group. Mark III observations are calibrated for the delay caused by charged particles in the line of sight (ionosphere and extraterrestrial plasma) by generating new observables which are linear combinations of the X-band and S-band observations. To the extent that the delay effects of charged particles have a purely inverse frequency-squared dependence, these new observables are free of charged-particle effects.

The tropospheric delay is divided into two components, the 'hydrostatic' delay (often loosely called 'dry' delay) computed from total pressure and a 'wet' delay due to additional delay caused by water vapor. The hydrostatic delay for each observation is calibrated using the Saastamoinen model for the hydrostatic zenith delay mapped to the elevation of the observation with the CfA 2.2 model (Davis, 1985), which requires measurements of local pressure, temperature and humidity. In some cases, valid meteorological measurements were not available and site-dependent static values were substituted. The wet delay is not calibrated, rather the entire effect is estimated using the method described below in Section D. Water vapor radiometer data for the wet delay were either unavailable or deemed not operational for the data presented here.

Cable calibration, i.e., corrections for variations in the electrical length of the cable carrying timing signals from the maser frequency standard to the receiver, was applied where available and useful.

C. The GLOBL Analysis System

The GLOBL analysis system permits the adjustment of parameters using an arbitrarily large set of data within the memory limits of the Goddard VLBI minicomputer facility. GLOBL is a batch extension of the interactive SOLVE system developed by the Goddard VLBI group and is used for all routine large solutions. After a database for one observing session has been fully updated using SOLVE, a "superfile" retaining the necessary information is created. The complete set of superfiles is the potential input to GLOBL. GLOBL processes the selected superfiles sequentially, in each step applying arc parameter elimination and carrying the global parameters forward. See the appendix of Ma *et al.* (1990) for a rigorous discussion of this process. "Arc" parameters are those relevant only to a single database, e.g., clock and atmosphere parametrization for a single session, UT1 and polar motion, and daily nutation adjustments. "Global" parameters are those whose estimated values may be affected by more than one observing session, e.g., source positions and site velocities. Coefficients of the nutation series, the precession constant, and Love numbers of the solid Earth tide are other possible global parameters. Depending on the purpose of the GLOBL solution, station coordinates can be treated as either global or arc parameters.

Since at each step GLOBL handles only the global parameters and arc parameters required for a single database, large solutions including many days of data are possible using computers of modest size. Current program and machine size constraints limit the maximum number of global parameters in one solution to 1024 and the maximum number of arc and global parameters to 1024 per arc. Sequential processing does entail two passes through the data. After the first pass the values of the global parameters are known. The second pass is necessary to recover the arc parameter values and the solution statistics. The two passes give a solution which is identical to a conventional one-step, least-squares estimation of the entire ensemble of estimated parameters without the need for inversion of enormous matrices.

D. Parametrization of the Site Troposphere and Clock

SOLVE has the capability to model short-term variations in the troposphere and clock at each site.

For a given site the effects of uncalibrated (primarily 'wet') tropospheric delay are modeled with a continuous, piecewise-linear function. This function models the evolution of the site's residual tropospheric zenith path delay. The durations of the linear sections are specified for a given solution and are uniform. Durations from 20 minutes to the length of the observing session are possible, but a duration of 60 minutes has been found to provide the degrees of freedom needed to accommodate most real, uncalibrated troposphere variations. The troposphere parameters estimated using the wet Chao mapping function are the initial zenith path delay offset and the slopes of the linear sections. The initial offset is unconstrained, and the rates are constrained by assigning them an *a priori* value of 0 ps/hr and an uncertainty of 50 ps/hr. The nominal slope constraint is based on a study of actual weather observations (Herring, personal communication; Treuhaft and Lanyi, 1987). For some sessions with unusual weather the rate constraint is relaxed. However, over a wide range of constraints--10 ps/hour to nearly unconstrained slope--the geodetic parameters are virtually insensitive to the size of the troposphere constraint, and the formal errors of the geodetic parameters are sensitive only at the level of a few percent. The critical element of the troposphere estimation method is that it permits short-term variation in the residual troposphere while enforcing continuity in the estimation.

Similarly, the clock estimation algorithm is designed to model short-term, random clock variations while enforcing realistic physical constraints on continuity and rates of change. When all clocks are 'well-behaved' the algorithm is as follows: the clock at one site is designated the reference clock and the differences between that clock and the other site clocks are modeled. These differences are modeled as the sum of two functions--a second-order polynomial and a continuous, piecewise-linear function with an initial value of zero. The three coefficients of the polynomial correspond to clock epoch offset, clock frequency offset, and clock frequency drift. They are unconstrained in the solution because these parameters can be arbitrarily large for real hydrogen masers. In the piecewise-linear function, rates in each of the linear segments are estimated. Typically, the rate may be adjusted once per hour and the rate of change is constrained to be consistent with the Allan variance of a hydrogen maser at 1 hour. For this report the normal constraint is 5 parts in 10^{14}. In a small number of sessions clocks performed poorly, e.g., experiencing epoch jumps or substandard frequency stability. These sessions require more complicated modeling beyond the scope of the present discussion.

While the introduction of troposphere rates makes a significant (over 50% in some cases) improvement in the fit of individual sessions compared to the previous parametrization, clock rates produce only a small improvement over the polynomials and diurnal sinusoids used in the past.

E. Earth Orientation Parameters

Different Earth orientation parameter (EOP) series can be applied during analysis by using the EOP partial derivatives to map the observables from the *a priori* values to new values. In addition, uncertainties and correlations associated with the EOP series can be applied as an *a priori* covariance matrix. If an *a priori* EOP covariance is applied and both EOP and site positions are simultaneously adjusted as arc parameters, then the uncertainties associated with the input EOP series will be correctly propagated into the site and baseline components.

F. VLBI Observables

Two VLBI observables were used in some past analyses, group delay and phase delay rate. Tests with GLOBL solutions on large data sets show that the delay rates may add noise to the baseline measurements as indicated by the consistency of linear baseline evolution. Consequently, delay rate data were not used for the results given in this report.

IV. DATA ANALYSIS RESULTS

A. Overview

Three GLOBL solutions designated GLB751, GLB753, and GLB754 were run to generate the results tabulated in this report. These solutions were run for the purposes of establishing a VLBI reference frame with an origin coincident with the IERS Terrestrial Reference Frame ITRF90, generating tables of Earth orientation parameters and source positions, estimating site velocities, and estimating baseline components and site positions for each observing session. The role of each solution in this process is detailed below.

B. GLOBL Solutions

1. GLB751

The purpose of the GLB751 solution was to establish terrestrial and celestial reference frames and to estimate EOP values, uncertainties, and correlations from the ensemble of CDP, IRIS/POLARIS, and Navnet fixed-station sessions together with long-baseline mobile sessions. Observations at less than five degrees elevation in the 1989 CDP research and development sessions were excluded from this solution because of the inability to adequately model the troposphere at these extreme low elevations. Weak *a priori* uncertainties of 45 milliarcseconds (mas) for X and Y pole offsets and 3 ms for UT1 were applied so that all three values could be estimated from single-baseline sessions. Weak *a priori* uncertainties of 30 mas/day and 2 ms/day were applied to the respective EOP rates, which were also adjusted.

The orientation of the celestial reference frame was defined by the instantaneous values of precession and nutation for the reference day, November 6, 1986, computed from the standard models and by holding the right ascension of the quasar 3C273B fixed at its *a priori* value. All other source coordinates were adjusted as global parameters. The origin and orientation of the terrestrial reference frame were defined by the following conditions. The coordinate system was that in which the *a priori* motion of the various plates is defined by the NUVEL no-net-rotation model of global tectonic plate motion. The origin of the VLBI reference frame was defined by the *a priori* position of WESTFORD at the station reference epoch January 1, 1988. The orientation of the frame was defined by the Earth orientation interpolated from BIH Circular D to the epochs of the observations of the EOP reference day November 6, 1986. Since the positions of all stations except WESTFORD and the velocities of stations with sufficient data were adjusted, further constraints were required for a well-defined frame. The direction of the vector from WESTFORD in Massachusetts to RICHMOND in Florida was constrained to change according to the NUVEL model although the position of RICHMOND and the magnitude of the vector were adjusted. The vertical rate at KAUAI was constrained to zero to provide a good vertical definition. Several pairs of sites, FORT ORD and FORTORDS, KASHIMA and KASHIMA34, DSS65 and ROBLED32, SESHAN25 and SHANGHAI, KAUAI and HAKEAKALA, MOJAVE12 and MOJ 7288, and OVRO 130 and OVR 7833 are geographically close enough to be considered identical for geodetic purposes. Consequently, the velocities at these pairs of sites were linked, *i.e.*, constrained to be equal after adjustment, to strengthen the solution and to propagate the positions.

Stations whose velocities were not estimated, including WESTFORD, moved according to the *a priori* NUVEL model. An episodic motion model, which allows for discontinuous motion at individual sites, was used for five sites: YAKATAGA, SOURDOGH, PRESIDIO, FORTORDS and HRAS 085. Due to its anomalous behavior, HRAS 085 was modeled in a discontinuous stepwise fashion. Its average position was estimated for a series of intervals. These intervals begin with the first HRAS 085 session April 1, 1980 and continue with a series of six-month-long intervals from January 1, 1981 through July 1, 1988. The final two intervals begin January 1, 1989 and July 7, 1990.

These constraints served to define the reference frame in a robust manner. The VLBI site coordinates and corresponding EOP/nutation values provide a self-consistent transformation between VLBI celestial and terrestrial reference frames. The observing sessions used in GLB751 were limited to fixed-station sessions and selected long-baseline mobile sessions. Source positions and station positions and velocities were adjusted. The GLB751 solution included 556379 group delays in 1127 observing sessions, most approximately 1 day long. There were 641 global parameters (station positions, selected station velocities, and source positions) and 225870 arc parameters. The weighted rms fit was 43.0 ps and the reduced χ^2 was 0.97. The source positions in Table 3.1 and the Earth orientation parameters plotted in Figures 9.2 through 9.4 were generated by this solution.

2. GLB753

The positions, velocities and covariances, and EOP generated from GLB751 were used as *a priori* information for GLB753. The sessions added in this solution included the remaining mobile data. The origin of the GLB751 reference frame is within 1-mm of the origin of ITRF90 at the station reference epoch, January 1, 1988. The GLB753 solution included 131843 group delays in 285 observing sessions, most approximately one day long. There were 853 global parameters (station positions, selected station velocities, and source positions) and 58844 arc parameters. The weighted rms fit was 43.2 ps and the reduced χ^2 was 1.01. While these statistics reflect only the mobile data, the GLB753 solution contains information from all the data, both fixed and mobile. The site positions and velocities in Tables 4.1-4.3, and 5.1-5.14 of this report were generated in GLB753.

3. GLB754

The purpose of the GLB754 solution was to produce tables of baseline evolution from the ensemble of VLBI data in a manner which made no *a priori* assumptions about tectonic plate motion. The station coordinates were therefore treated as arc parameters, i.e., they were allowed to vary from session to session, subject only to the constraint of being estimated with a global set of source coordinate values and an *a priori* EOP series. The same *a priori* EOP information used in GLB753 was used in GLB754 to estimate orthogonal baseline components and geocentric site positions for each observing session. The GLB754 solution included 688222 group delays in 1412 observing sessions. There were 265 global parameters (source positions) and 297259 arc parameters. The weighted rms fit was 42.3 ps and the reduced χ^2 was 0.95. The baseline component results presented in Tables 6.1-6.4, 7.170-7.506, and Figures 7.2 through 7.169 were generated in GLB754.

C. Results

1. Station Coordinates and Velocities

Table 4.1 contains the position of each fixed station and mobile site in geocentric Cartesian coordinates in the VLBI reference frame at the station reference epoch, January 1, 1988. The adjusted site velocities are also included with the position/velocity correlation matrix in lower triangular form. Because of its anomalous behavior, HRAS 085 has been tabulated separately in Table 4.2. Table 4.3 includes velocities and their respective error ellipses in topocentric coordinates for the same sites. For each site in Table 4.3 the corresponding deviation from NUVEL velocities is included for comparison. These same results are available in machine-readable form along with the full station position and velocity correlation matrix corresponding to Table 4.1. Sites whose velocities were assumed from NUVEL can be identified in these tables by zero uncertainties in velocity. Site positions and uncertainties at January 1 of each year from 1979 through 1992, also generated from solution GLB753, are found in Tables 5.1 through 5.14 of this report. Site positions and their associated uncertainties were propagated using the reference epoch positions, the velocities (either adjusted or NUVEL), and the relevant covariances. The position uncertainties do not change with time for sites whose velocities were not adjusted, i.e., no provision has been made to propagate the errors of the underlying NUVEL model.

All mobile results are referred to ground monuments

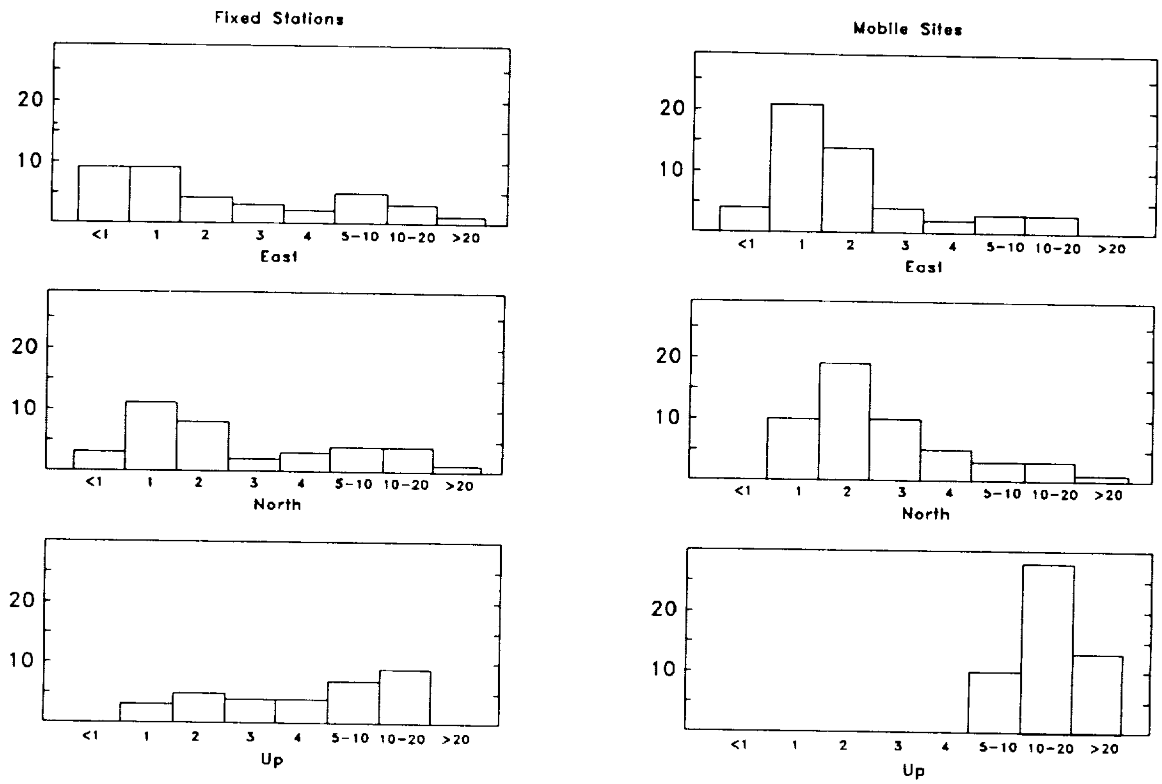

Figure 1. Formal errors (mm) in position at January 1, 1988.

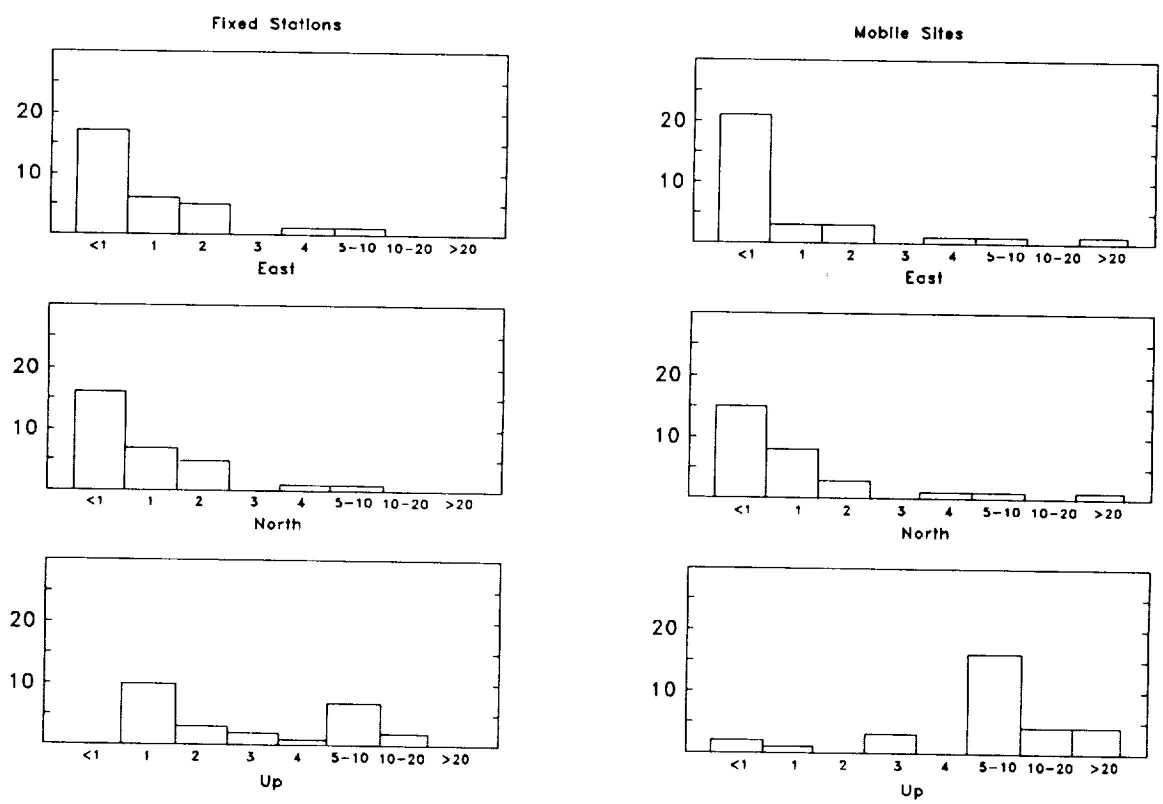

Figure 2. Formal errors in velocity (mm/yr).

using the eccentricity data obtained during eachobserving session. The results for MV-1 at Vandenberg are also referred to a ground monument. The fixed antenna results are referred to a position in the antenna structure. For an antenna with intersecting axes, the VLBI reference point is located at the intersection of axes. For an offset axis antenna, the VLBI reference point is located at the point of intersection of the fixed axis with the plane perpendicular to the fixed axis containing the moving axis. The CDP monument number of each mobile ground monument and fixed-station antenna reference point is given.

The histograms of 1σ formal errors in topocentric positions and velocities are given in Figures 1 and 2, respectively, separated for fixed stations and mobile sites. It can be seen that the east components are the best determined. The east component has smaller errors than the north component due to the geometry of the observing networks. The up components are the most poorly determined because of the strong correlation between the up and atmosphere parameters. The mobile site components are generally not as well determined as the fixed station components, particularly in the up direction because of the inability of the mobile systems to observe at low elevations. It should be noted that the position formal errors in the histograms are at the station reference epoch, January 1, 1988. For a station with adjusted velocity, the errors are influenced by the strength of the velocity determination and the time interval between the reference epoch and the mean observation epoch for the station. For a station with velocity fixed at the *a priori* NUVEL value, the error is applicable at the mean epoch of observations. Such stations generally have a single occupation that may span several days.

Included in this report are maps of the observed motions of VLBI fixed stations and mobile sites. The horizontal velocity vectors as determined by VLBI in solution GLB753 are shown with their respective 3σ error ellipses. The NUVEL plate motion model was used to determine *a priori* velocity vectors for each site. These vectors, shown without error ellipses, are included on the map at each site and station for comparison. The plate that was assumed for each site and station is indicated in Table 1.2.

Figure 3 is a map of the fixed stations used for IRIS-A, IRIS-S, and Atlantic sessions. The close agreement between the *a priori* and adjusted vectors for stations in eastern North America is a consequence of the choice of stations (WESTFORD and RICHMOND) used to establish the VLBI terrestrial reference frame.

Figures 4 through 7 are similar maps of fixed station and selected mobile site velocities in and around the Pacific Basin, in and near Alaska, in the Southwestern U.S., and Southern California respectively.

The machine-readable report also contains the geocentric, Cartesian coordinates of each fixed station and mobile site for each session from solution GLB754 arranged alphabetically and tabulated chronologically. It should be noted that the position for a given epoch is in the coordinate system defined by the (arbitrary) reference station for that observing session and that different sessions having unrelated observing networks will have different reference stations. The positions of the reference stations do not change with time. Estimated station coordinates and correlations between station coordinates for each observing session are also available tabulated chronologically.

2. Baseline Evolution

The evolution of each baseline is presented in three components: length, transverse, and vertical. The baseline length is the chord distance between the reference points at the two ends. The reference point for a fixed station is within the antenna structure. The reference point at a mobile site (and at VNDNBERG) is a ground survey monument near the mobile antenna.

The transverse direction for a given baseline is defined by the cross product of the *a priori* baseline vector from station 1 to station 2 with the *a priori* geocentric vector to station 2. The transverse component is the adjustment from the *a priori* baseline vector in the direction perpendicular to the baseline vector and directed toward the horizon at either site, and is defined such that a clockwise rotation seen from above is positive in sign.

The vertical direction is perpendicular to the length and transverse directions and is radially inward at the center of the baseline. For short baselines the baseline vertical direction is close to the topocentric vertical direction at either site. The vertical component is the adjustment from the *a priori* baseline vector in the baseline vertical direction. A

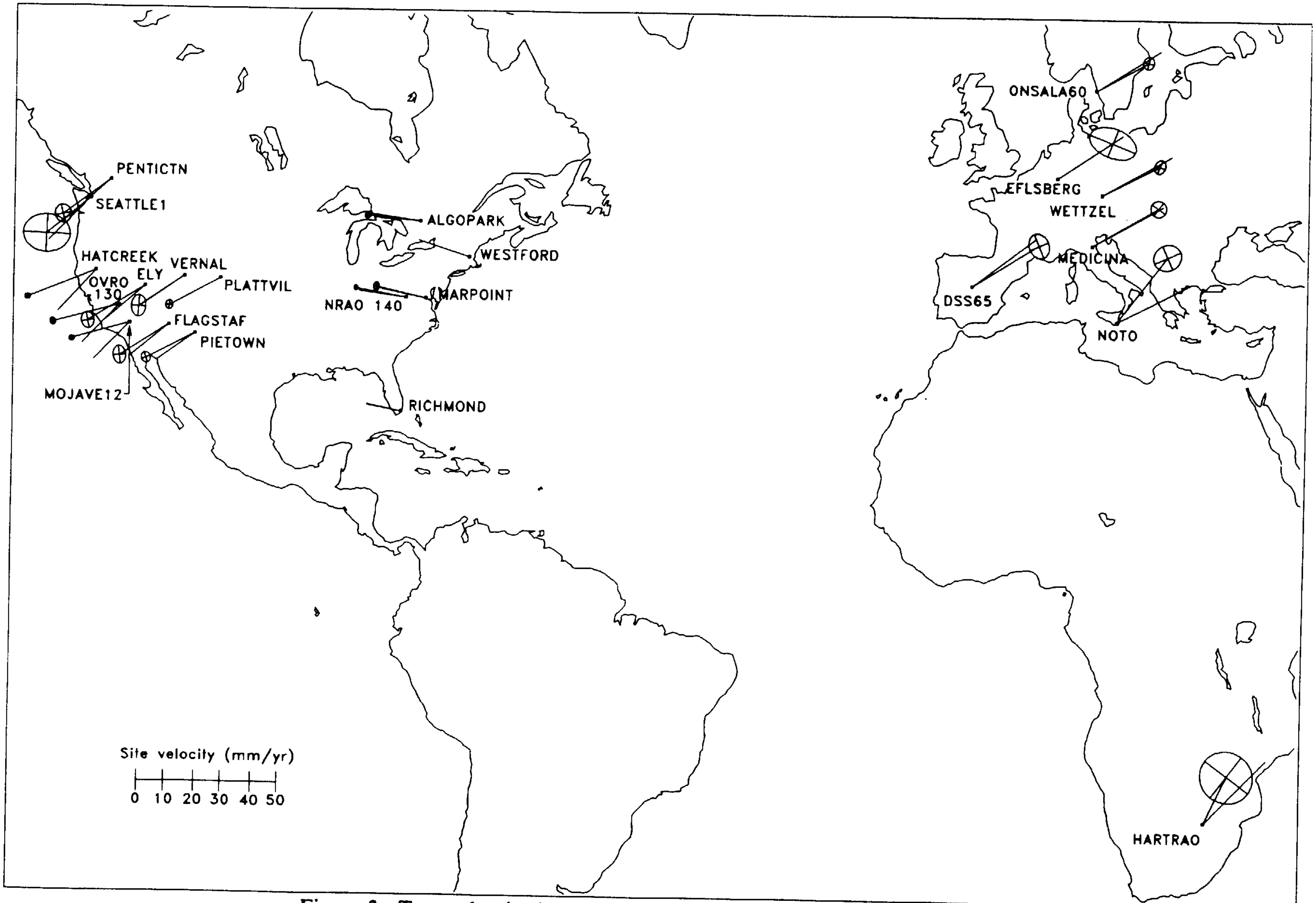

Figure 3. Transatlantic site velocities (3σ error ellipses) from GLB753.

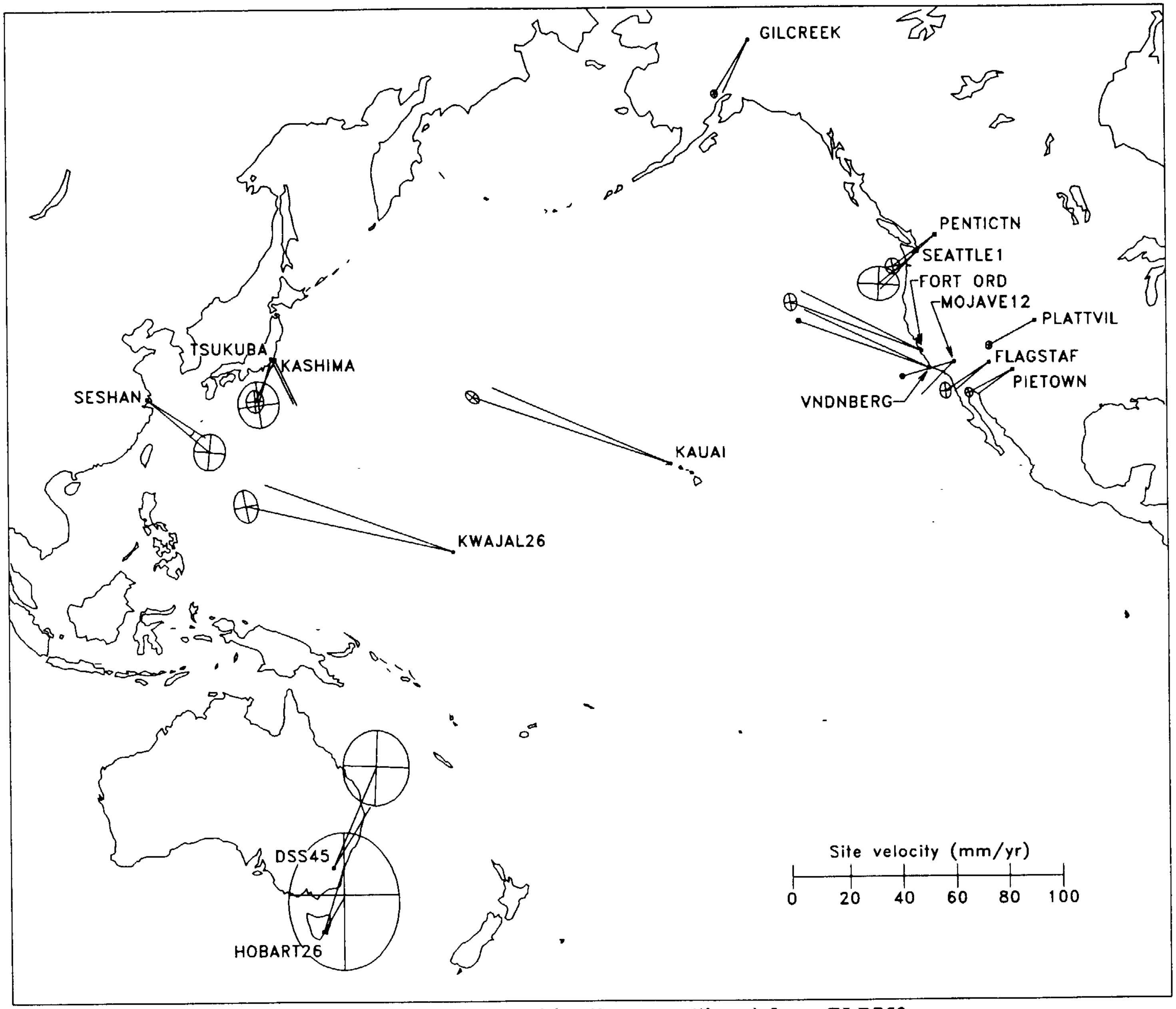

Figure 4. Pacific site velocities (3σ error ellipses) from GLB753.

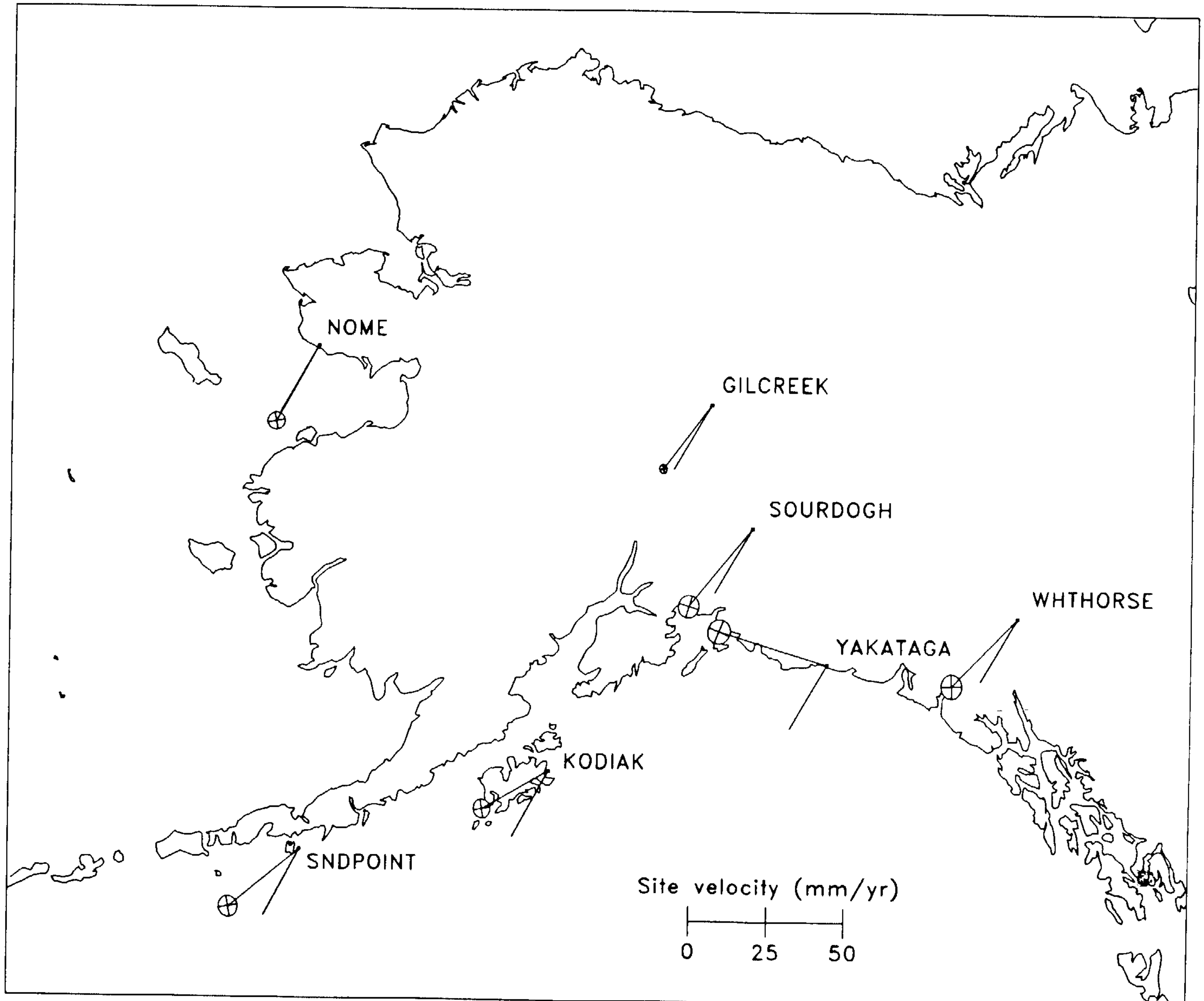

Figure 5. Alaska site velocities (3σ error ellipses) from GLB753.

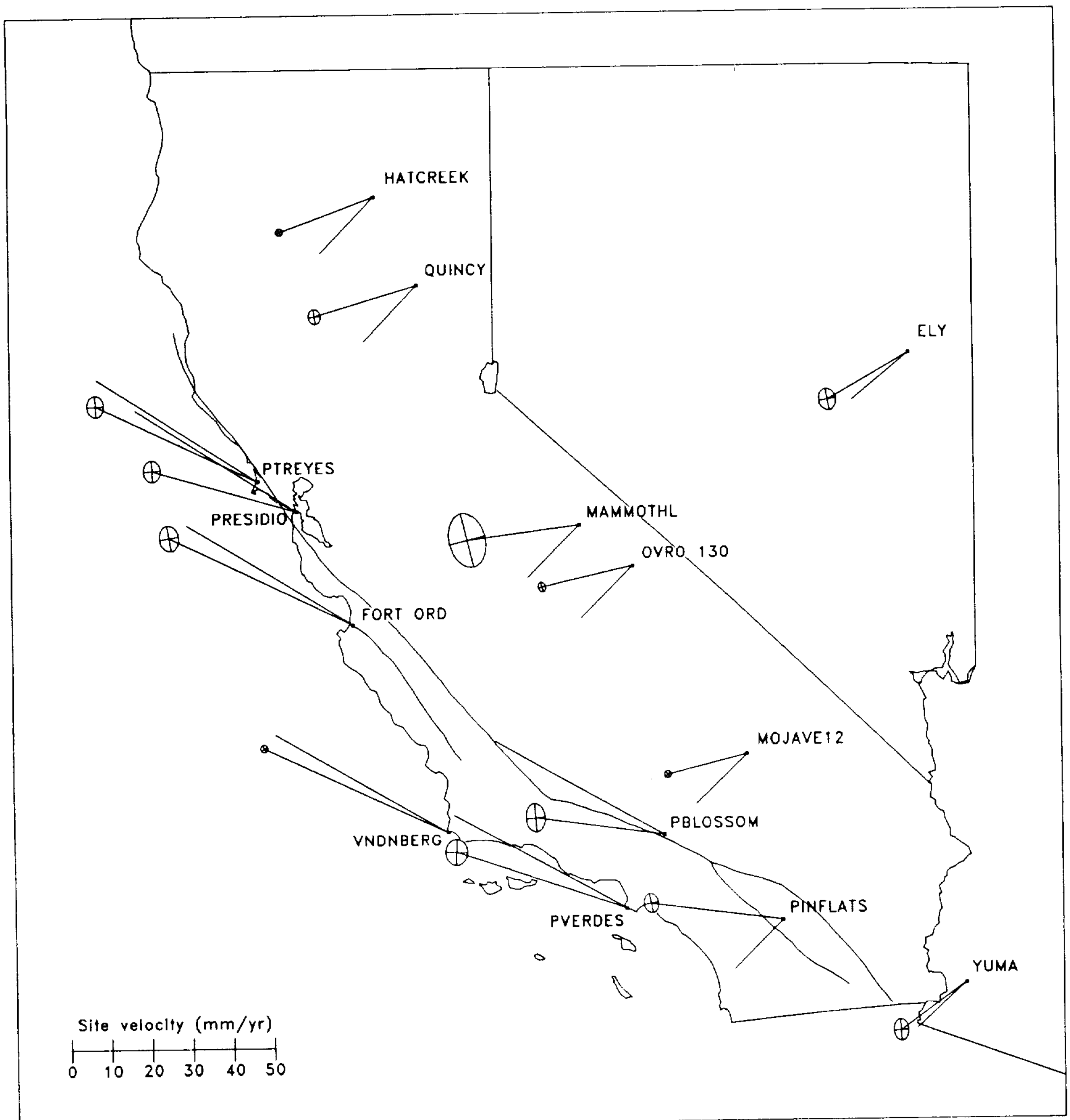

Figure 6. Southwestern U.S. site velocities (3σ error ellipses) from GLB753.

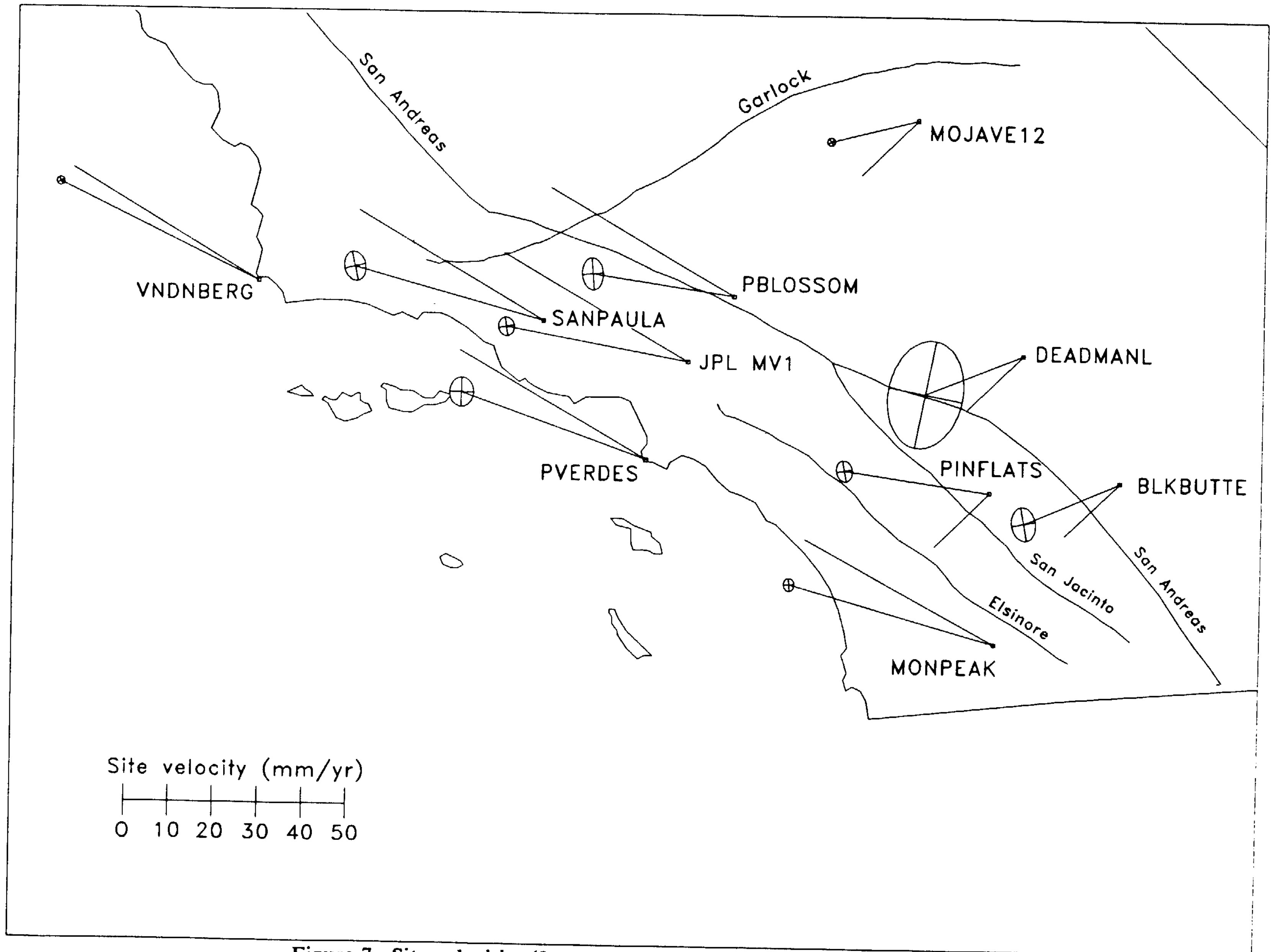

Figure 7. Site velocities (3σ error ellipses) in Southern California.

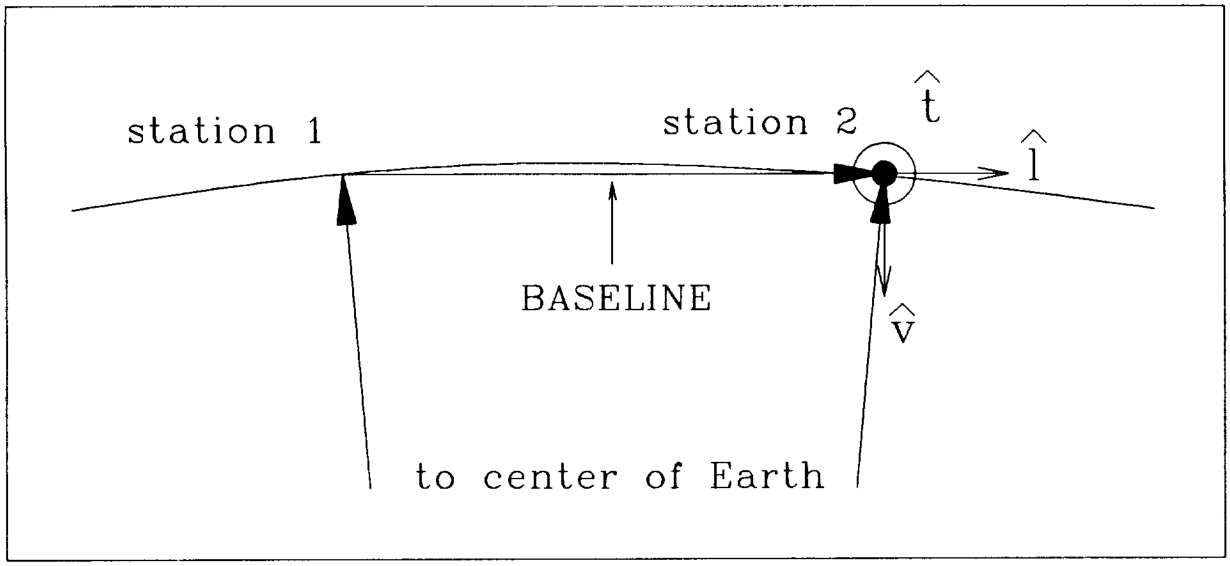

Figure 8. Baseline component axes. The figure is in the plane containing both the stations and the center of the Earth. Unit vectors $\hat{l}$, $\hat{t}$, and $\hat{v}$, for the length, transverse, and vertical components, respectively are shown at station 2.

upward displacement of station 1 with respect to station 2. Note also that a change in baseline length will also cause a change in the baseline vertical component, especially for longer baselines. The vertical component is the most poorly determined from VLBI data. The orthogonal directions are shown schematically in Figure 8 where the unit vector in the transverse direction is directed outward from the page.

The transverse component is strongly dependent on a precise, consistent orientation of the terrestrial reference frame as defined in an EOP series. For the GLB754 solution the EOP series derived from solution GLB751 was applied. The baseline evolution plots for WESTFORD to GILCREEK, HRAS 085, and RICHMOND clearly show transverse rates that are as large as 30 times the formal error. These rates simply reflect the fact that the sites shared the motion of the North American Plate in the *a priori* model of the solution that produced the EOP series. Had the EOP series been generated in solution with no *a priori* plate motion these baselines would have shown little or no transverse motion. The best EOP values in this series begin after January, 1984 when four-station IRIS measurements every 5 days became routine. Between mid-1981 and the end of 1983, single-baseline POLARIS data were available that gave good determinations of UT1 and the x-component of polar motion. Prior to mid-1981, BIH Circular D values derived largely from optical data were used. Consequently, the consistency of transverse values may be weak before 1984 (depending on the orientation of the baseline) and is very poor before 1981. The uncertainties and correlations of the EOP values from GLB751 and the larger nominal uncertainties for the BIH values were propagated by SOLVE into the errors of the baseline components. The largest effect is on the transverse error. The vertical error, being dominated by other effects, is weakly affected and the length error is independent of orientation.

Summaries of the relevant statistics of the baseline components and their rates of change as determined from the results of solution GLB754 appear in Tables 6.1 through 6.4 in this report. These tables include the weighted mean baseline length values, the weighted rms scatter about the mean length values, and, where a useful value could be computed, the mean rate of change of baseline length over the span of the entire available data. The rate of change is not presented if there were fewer than five observing sessions or if the sessions did not span at least 2 years. The baseline length at January 1,1988 is also tabulated for those baselines for which rates were determined. The least-squares mean and rate estimates were based on the formal standard errors of the individual baseline length values. The listed error for each mean and rate value was computed by scaling the formal error from the least-squares estimate by the square error from the least-squares estimate by the square root of the reduced χ^2 of the fit. The weighted rms fit of the data about the best-fit line is also given where relevant. Similar information is given for the transverse and vertical components, except that the mean and reference epoch values, being from an arbitrary origin, are omitted.

Discontinuous motions have been observed at YAKATAGA and SOURDOGH (Ma *et al.*, 1990) and at some sites in northern California notably FORTORDS and PRESIDIO (Clark *et al.*, 1990). In the solution GLB753 motions at these sites have been permitted to exhibit an instantaneous displacement on dates corresponding to the large earthquakes believed responsible for the discontinuous behavior. HRAS 085 in Texas has also exhibited peculiar behavior. Consequently, no velocities were determined for HRAS 085. Instead positions have been independently determined for several arbitrarily chosen intervals within the span of the data. These positions may be found in Table 4.2 tabulated by the beginning epoch of each interval.

For the purposes of geodetic interpretation, the HAYSTACK and WESTFORD antennas, which are only 1.24-km apart, can be considered to be identical. However, the results from the WESTFORD antenna are no longer mapped to HAYSTACK in the tables for HAYSTACK as in some previous annual reports.

Section 7 (Figures 7-2 through 7-153 and Tables 7.1-7.270) present the time evolution of these same baselines. The baseline results are presented in print in several forms: summaries of baseline rates and consistency, plots of the three baseline components as functions of time, and tables of values for baselines with insufficient measurements for useful plotting. The machine-readable report contains all the baseline data arranged first alphabetically, then chronologically.

3. Earth Orientation Parameters

Earth orientation results from solution GLB751 are presented graphically in print and are tabulated together with their correlations in the machine-readable version. Because VLBI cannot measure absolute Earth orientation, a reference day, November 6, 1986, was selected to fix the geographic pole and UT1 angle. The reference day x, y, and UT1 values were quadratically interpolated from BIH Circular D.

The results from single-baseline sessions (POLARIS and scattered others) are insensitive to Earth rotations around the baseline direction and therefore measure only two components of Earth rotation. These two components are linear combinations of UT1 and polar motion. In order to handle these sessions in a mathematically rigorous fashion, UT1 and both components of polar motion are estimated using weak constraints. The resulting EOP values, uncertainties, and correlations correctly represent the Earth rotation information content of the sessions. It is critical that users of the Earth rotation data from the single-baseline sessions account for not only the values and their uncertainties but also for the correlations.

The tabular values are the unmodified results from the GLB751 solution. In particular, no smoothing has been applied, and no corrections have been made to remove known tidal variations from the UT1 values. For comparison with IERS Bulletin B values or other smoothed series, the tidal terms should be removed from the UT1 values. Rates in X, Y, and UT1 are calculated for each session and tabulated in the machine-readable version.

The nutation offsets from the IAU 1980 nutation series, estimated in solution GLB751 for each session, are tabulated in the machine-readable version and are plotted in the printed report. These offsets are with respect to the celestial pole of the reference day November 6, 1986, which is defined by the conventional precession and nutation models.

D. Formal Errors

The formal errors for all estimated parameters are computed from the covariance matrix of the relevant solution. The weight applied to each observation includes three terms: SNR measurement error, ionosphere calibration error from the SNR of X- and S-band observations, and normalizing white noise root-sum-square added for each session. The last term is computed for each session such that the reduced χ^2 of the fit from a standard single-session solution is reduced to unity. In the standard solution, site positions are estimated using a good *a priori* source catalog without adjustment and the continuous piecewise-linear clock and atmosphere parametrization discussed above. It is evident from the χ^2s of the fits of baseline components that the formal errors of the EOP are underestimated.

V. QUALITY OF RESULTS

A. Trends in Quality Improvement

Our previous VLBI annual report (Caprette *et al.*, 1990) contained a lengthy section in which for the first time we assessed the quality of the raw Mark III data and the results obtained. Here we will update that discussion. Readers may wish to begin with a review of the 1990 report since the detailed rationale is presented there.

1. Post-fit Delay Residuals

Figure 9 is a plot of post-fit weighted rms residual delay (*wrmsrd*) for the 1412 one-day observing sessions of global baseline solution GLB754. The trend through January 1990 is virtually identical to that seen in the 1990 report. The *wrmsrd*s improve from an average 70 ps in 1981 to an average 45 ps in 1989. Moreover, by 1988 there is a clear systematic trend in which the residuals are smaller in (northern hemisphere) winter than in summer (caused, perhaps, by more stable winter atmospheric conditions). In 1990 the trend toward improvement reversed and the *wrmsrd*s became slightly worse than in the previous three years. Figures 10, 11, and 12 are similar plots for the POLARIS/IRIS, CDP, and Navnet sessions. Overlaying the three plots shows that in 1990 they are quite similar with both the IRIS and CDP sessions showing the summer/winter trend.

The increase in the post-fit *wrmsrd*s in 1990 does not in itself indicate the derived geodetic results are poorer. The observing schedules have continued to evolve and this has effected the precision of the observations as well as the ability of the analysis system to fit the data. Three such changes which continued in 1990 are:

1) Observing scan lengths were shortened and tailored to individual sites so that only a minimum target signal-to-noise ratio was achieved. The goal of this change of philosophy was to increase the number and frequency of observations at the expense of a small decrease in the precision of some observations.

2) There was continued emphasis on obtaining low elevation (less than 10°) and very low elevation (less than 6°) observations. Such observations provide a very sensitive probe of the troposphere at the expense of incurring some observations that are difficult to fit because of very large unmodelled atmospheric effects.

3) There has been a continuous evolution over a long period of time toward observing sessions of increasing complexity. The USNO Navnet sessions spanning from the U.S. east coast to Alaska and Hawaii have become routine. IRIS has moved its westernmost site from Texas to California and often includes an additional site in Italy. The CDP has begun to schedule sessions spanning the Pacific and Indian oceans and even a few sessions spanning the entire globe.

Having rationalized the increase in the *wrmsrd*s, we should note that at least the effects of points 1 and 2 are now fully realized in the observing schedules. Recently there has been some thought that perhaps we have gone too far in reducing the lengths of the scans and in obtaining very low elevation observations. In any case, without more sensitive instrumentation, the scans cannot be shortened further and there will be no increased emphasis on low elevation observations.

Given these phenomena that may explain the increase of *wrmsrd*s, there is no reason to think that the geodetic results actually achieved in 1990 should be poorer than in 1989. As will be discussed below, there is evidence that the results are at least as good as the best obtained so far.

2. Formal Errors and Repeatability of Baseline Lengths

Figure 13 is a plot of length results for the Westford-Wettzell baseline. It shows the observed short term (months) repeatability of the length estimates and the session-by-session length formal errors. This plot is designed to address two questions. First, as improvements have been made in the Mark III hardware and observing schemes, have the formal errors of the length estimates become smaller? Second, assuming the formal errors have become smaller, are the length repeatabilities improving correspondingly? In Figure 13 the diamonds show the baseline length formal errors for the individual sessions. The asterisks show for each session an unweighted average of the formal errors in a 120-day-long window centered on the session; they are meant to show the long term evolution of the formal errors. The line connects points (not plotted) that are the actual repeatability of the length values. The repeatabilities were computed as follows: At the epoch of each session a weighted average length was computed from the length values for all sessions

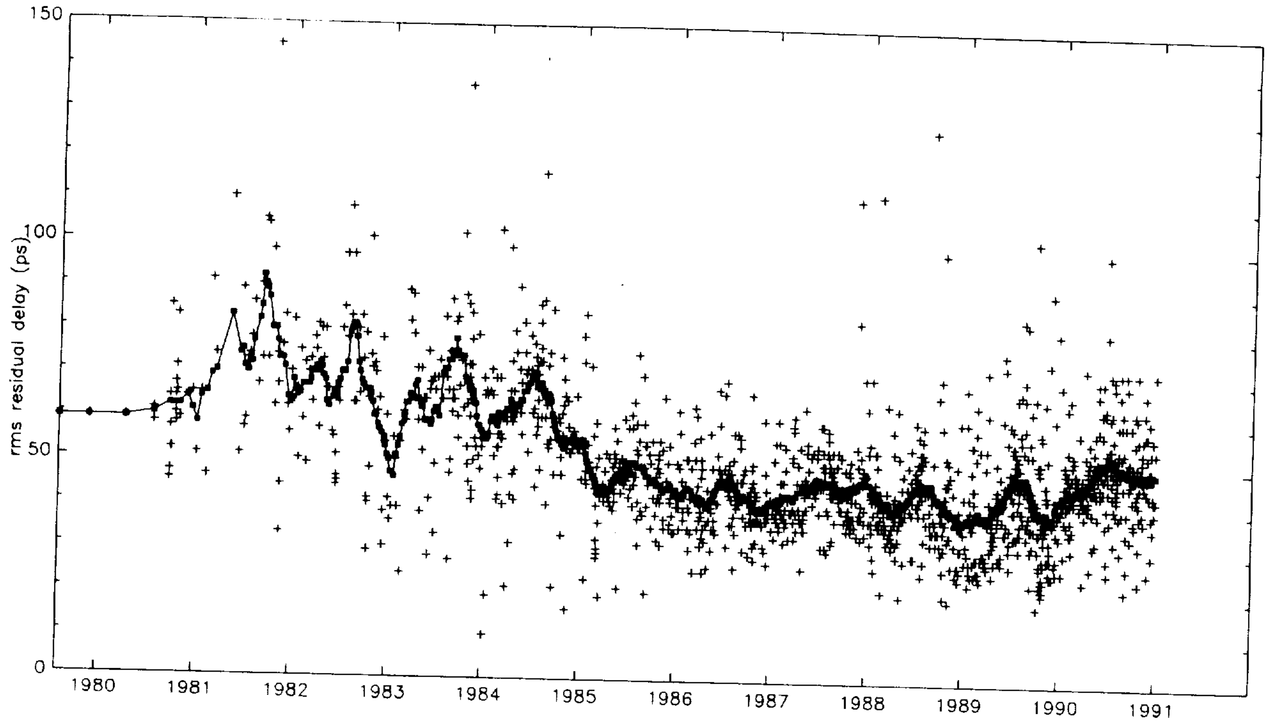

Figure 9. Residual delay fits, all session from GLB754.

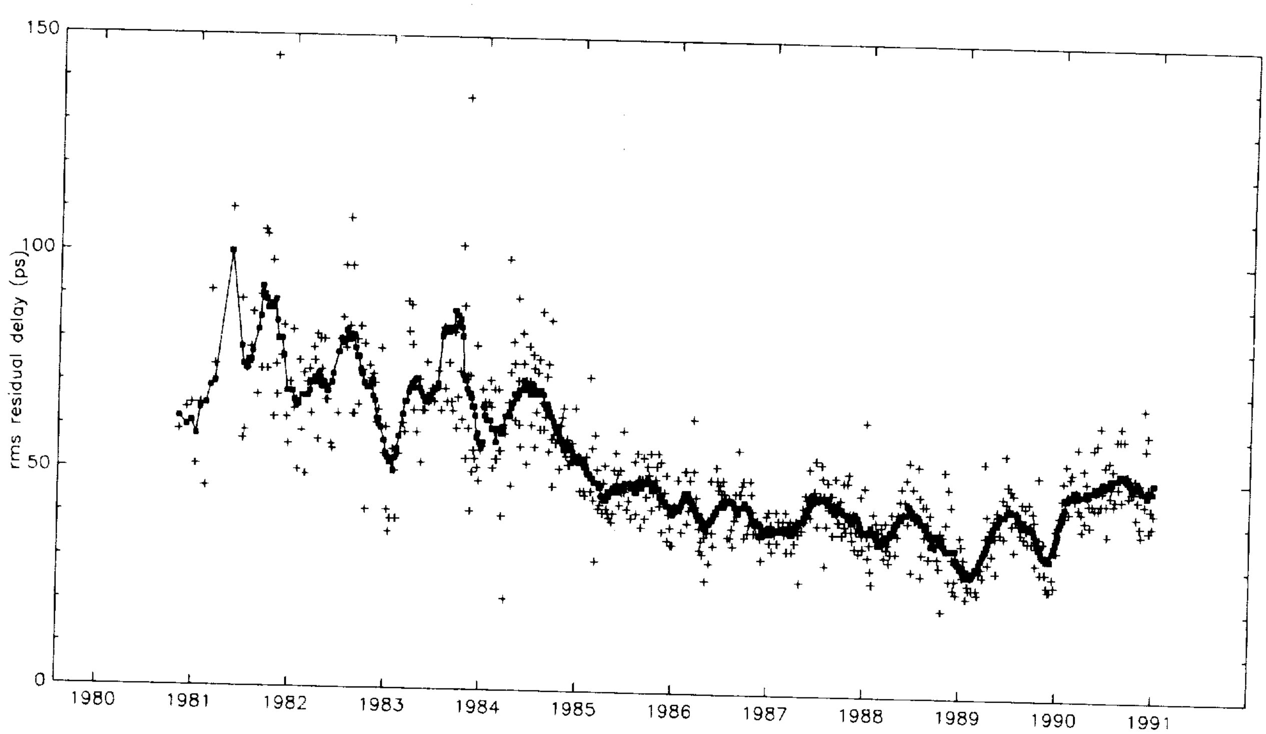

Figure 10. Residual delay fits from GLB 754, POLARIS and IRIS sessions only.

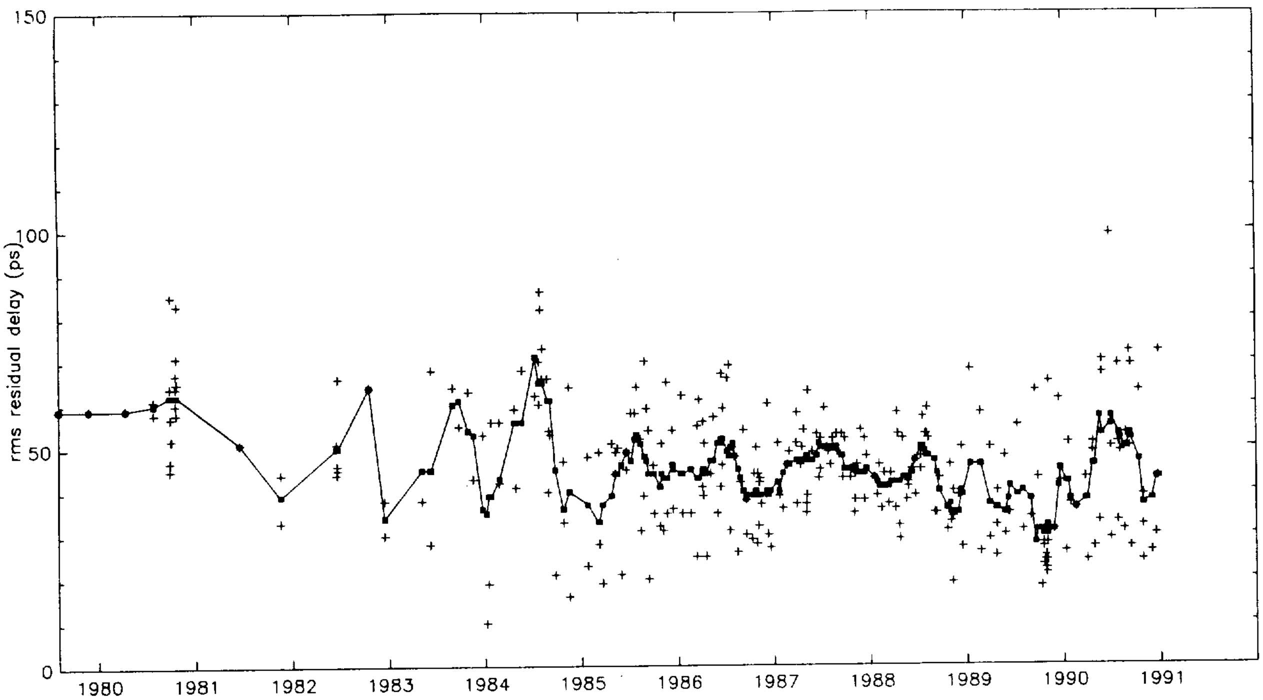

Figure 11. Residual delay fits, CDP fixed stations from GLB754.

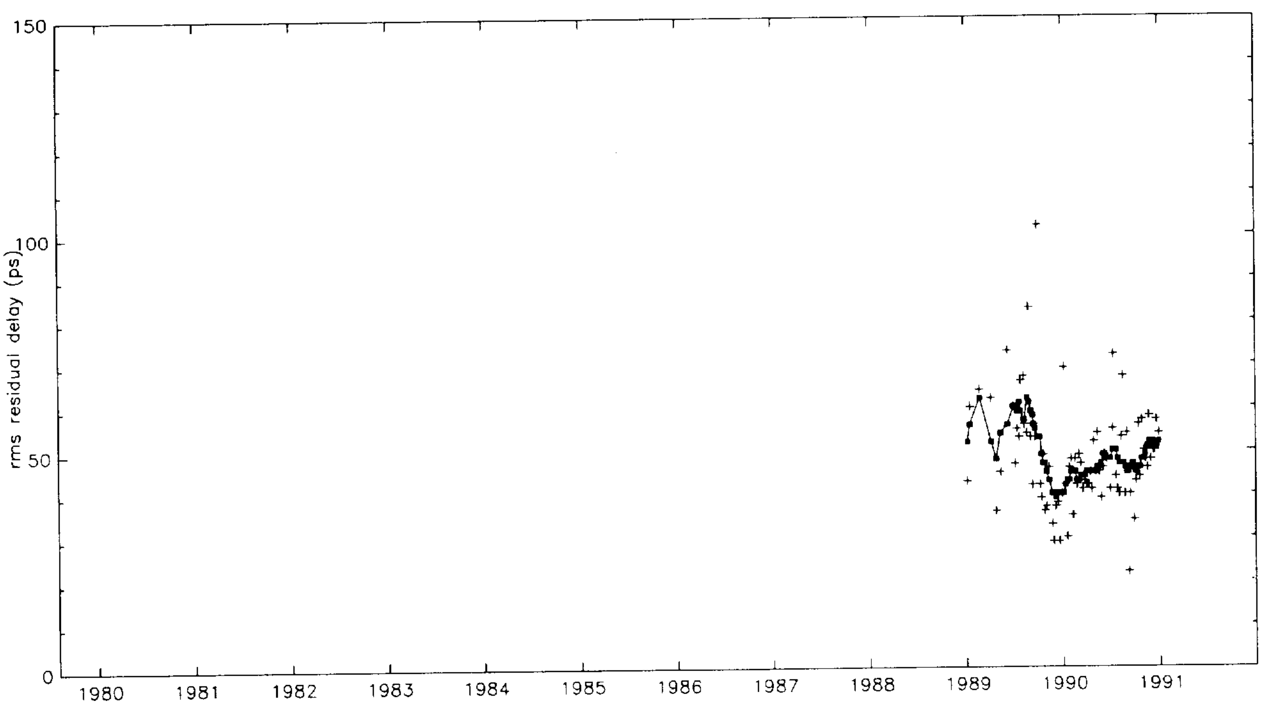

Figure 12. Residual delay fits from GLB754, Navnet sessions only.

within 60 days of that session. Then using the same set of sessions a weighted rms length residual from the average length was computed. This rms is assumed to be an estimate of the short term length repeatability at the time of the session.

Through January 1, 1990 Figure 13 is nearly identical to the Figure 13 of our last report. (The small differences are consistent with the changes made to the analysis system in the intervening year.) Through early 1988 the average formal errors and the repeatabilities are quite consistent and show a general improvement from 20 - 25 mm in 1984 to near 15 mm in early 1988. From that point until January 1990 the formal errors continue to improve to 5 - 7 mm, but there is no comparable improvement in the repeatability. The results for the additional year in Figure 13 of this report are very similar to the results for 1989. In both 1989 and 1990 the average formal errors are much smaller than the repeatabilities, typically 7 - 9 mm for the formal errors and 10 - 15 mm for the repeatability. These results appear to indicate that in 1989 we reached a floor in the length repeatability (for this baseline) and remained at that floor during 1990. This limit is probably related to unmodelled atmospheric effects. Note that the floor is quite small, 10 mm on this nearly 6,000-km-long baseline or 1.7 parts per billion (ppb).

Figures 14 and 15 are similar plots for the Richmond-Westford and Onsala-Wettzell baselines. They also show trends in 1990 that are nearly identical to those of 1989.

In summary, these plots indicate that the short term baseline length repeatability achieved in 1990 was nearly identical to that achieved in 1989. To achieve further improvements will either much better understanding of the effects of tropospheric refraction and/or better instrumentation (such as the Mark IV).

B. Scaling of Baseline Repeatability with Baseline Length

The single indicator cited most frequently to quantify the repeatability achieved by a geodetic surveying system is the baseline length repeatability scaling. For instance, in the 1960's when conventional terrestrial surveying was still the rule the best survey repeatability was called first order and had an accuracy of 1 part in 10^6. That is a repeatability of 4 meters on 4000-km coast-to-coast baseline. Our last report contained a discussion of the long term length repeatability achieved by Mark III VLBI based on the entire set of data acquired between 1979 and the end of 1989. We presented a set of scaling laws in a form that was the sum of two terms. The first term was the repeatability threshold on a zero length baseline and the second 'scaling term' grew linearly with baseline length. We also produced three different laws for three ranges of lengths because we found that the poor repeatability of the very longest baselines was disproportionate compared to the shorter baselines and would dominate the scaling term despite their small numbers. The following table shows the scaling laws from the last report and those produced for this report. The current values are based on all the data used in the 1990 report plus the additional CDP, IRIS, and Navnet data acquired in 1990.

Baseline Repeatability Scaling

Length	Threshold		Scaling	
range	1990	1991	1990	1991
(km)	(mm)	(mm)	(ppb)	(ppb)
0 - 6000	6.8	6.6	1.1	1.0
0 - 10,000	5.0	5.3	2.0	2.0
Full range	4.9	5.1	2.6	2.2

Figure 16 is a plot of the long term length repeatability values as a function of baseline length for the 175 baselines used to produce the scaling laws. These 175 were selected because they each had at least five observing sessions and two years of data. The most striking fact that emerges from a simple comparison of this plot with the similar plot from 1990 is the much improved repeatability of the baselines in the 10,000 to 12,000-km range. The main reason for this improvement is that data on these baselines acquired in 1990 are much better than the earlier data. (See figure 7.96 in section 7, which shows the baseline evolution for the 10,200-km-long Kashima-Richmond baseline where the 1990 data is outstanding.)

Since it is difficult compare Figure 16 with the comparable figure from the 1990 report we have prepared Figure 17. It is a plot of the repeatability differences for the 149 baselines common to both plots. It shows that there are 84 baselines with better repeatability in the current solution, 50 baselines with better repeatability in the previous solution, and 15 with no difference (at the level of 0.1 mm). The global repeatability of the current solution is 14.3 mm while that for the previous solution is 15.3 mm. In summary, the long term repeatabilities of the current

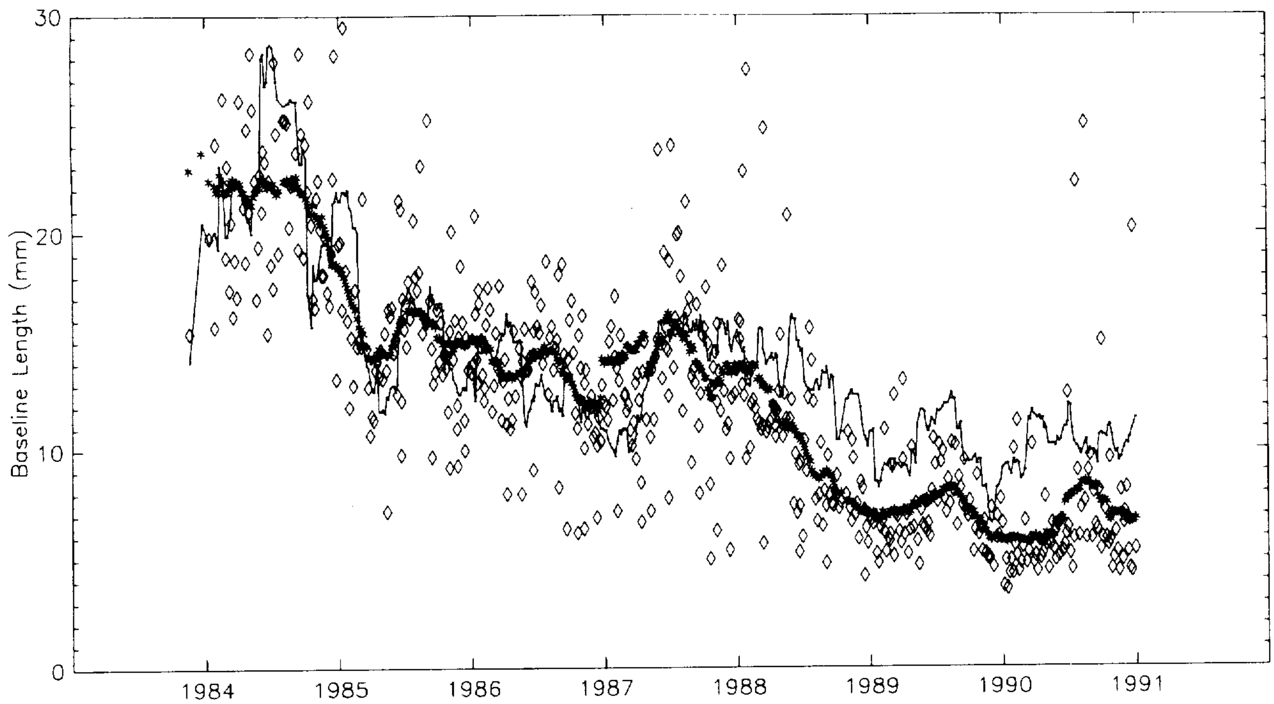

Figure 13. WESTFORD to WETTZEL baseline length formal errors and repeatability.

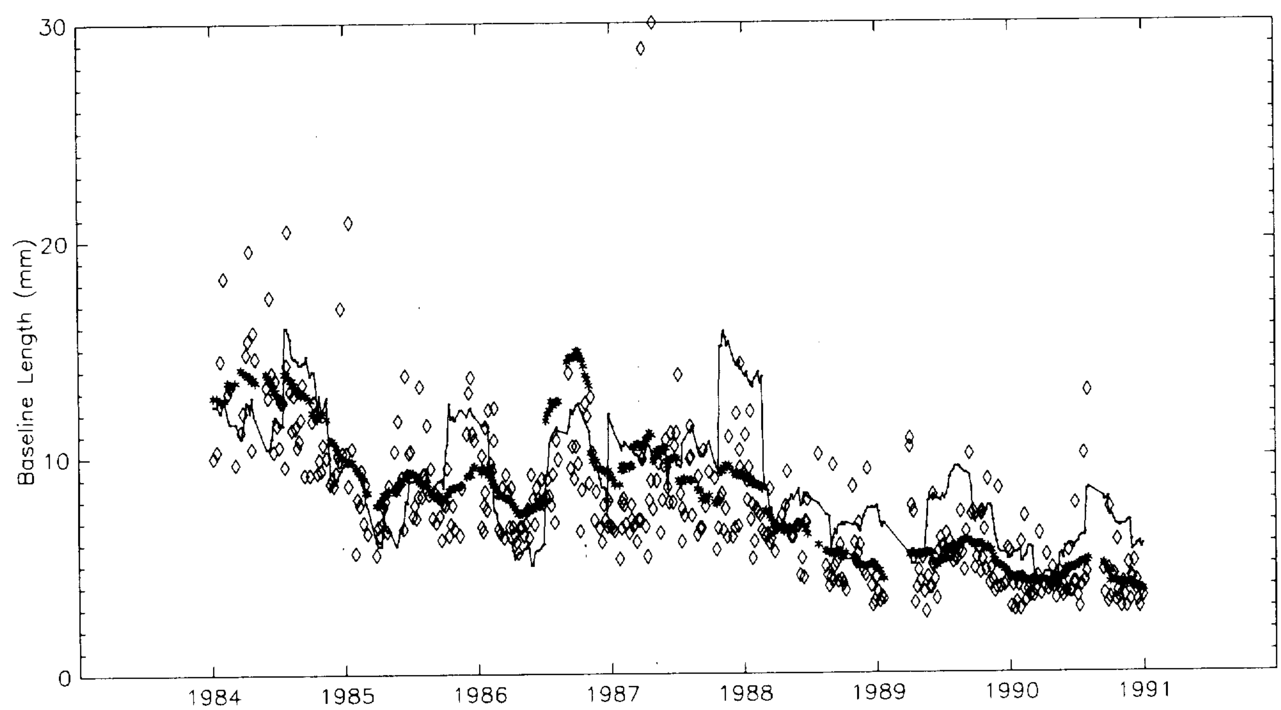

Figure 14. RICHMOND to WESTFORD baseline length formal errors and repeatability.

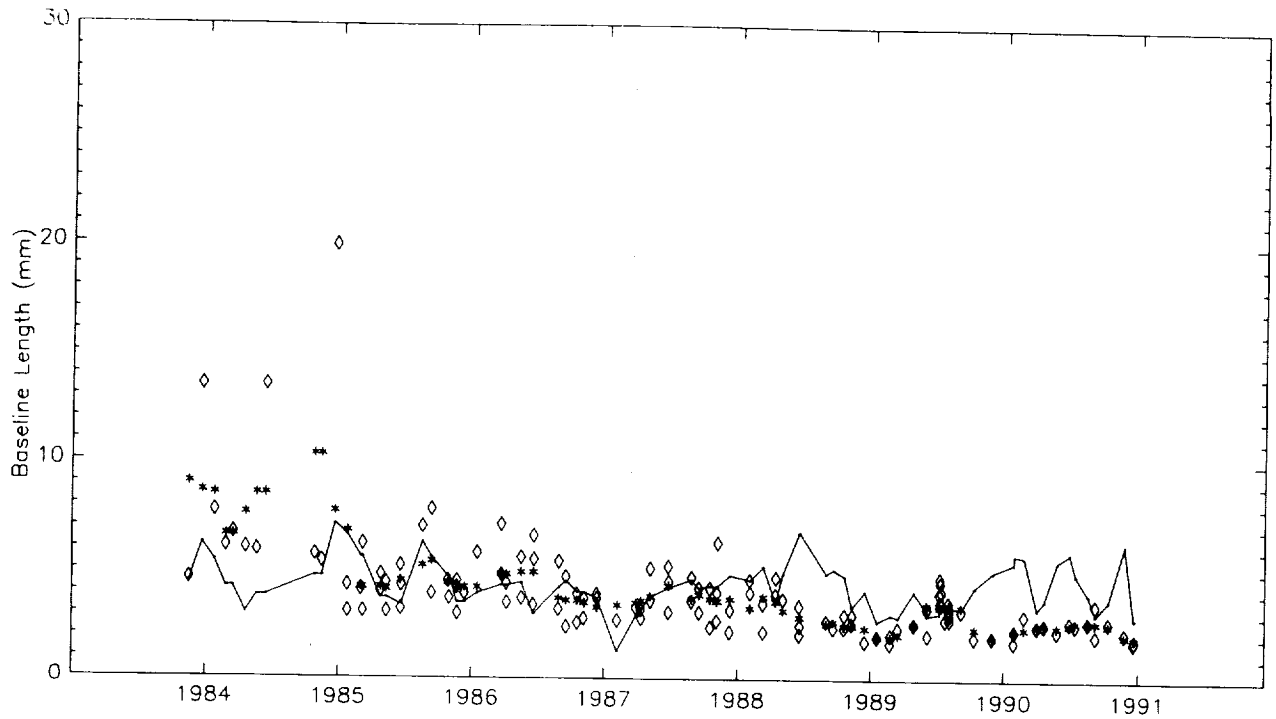

Figure 15. ONSALA60 to WETTZEL baseline length formal errors and repeatability.

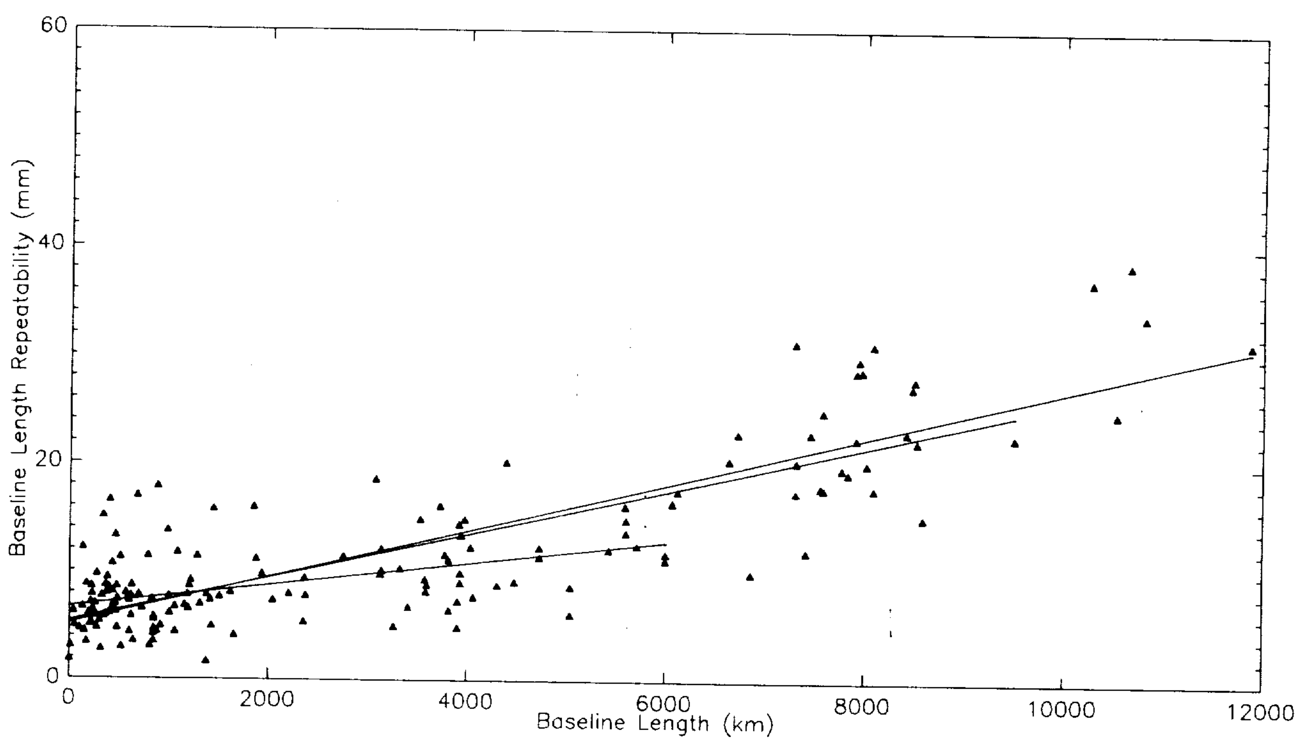

Figure 16. Baseline length repeatability vs. baseline length from GLB754.

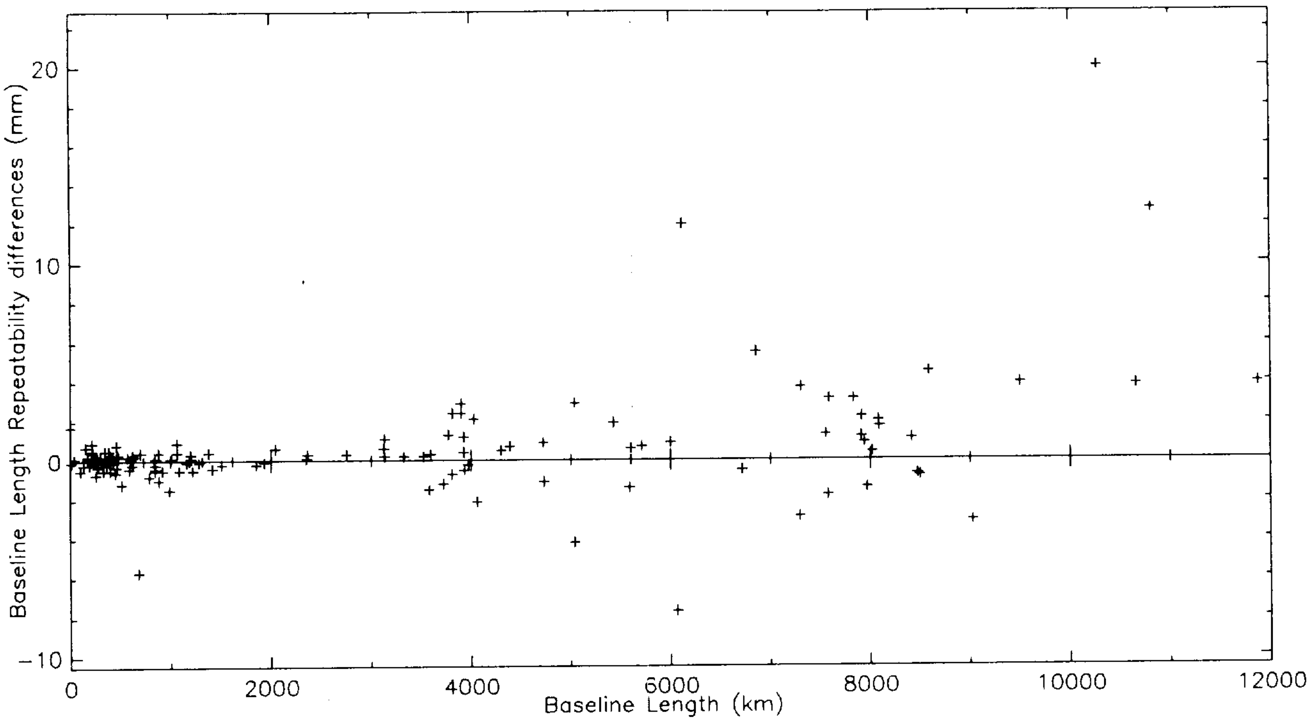

Figure 17. Repeatability differences for 149 baselines common to both the 1990 and the 1991 solutions.

solution are better than those of the 1990 solution. There is no simple explanation for this improvement, but almost certainly the critical factor is that these repeatabilities are a measure of the entire data set going back to 1979. The key difference between the 1990 and 1991 solutions is the use of an additional year of state-of-the-art VLBI data. The quality of the 1990 data is certainly better than the average quality of all the previous data and this in turn improves the repeatability of the entire data set.

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1.0 Stations and Sites

Table 1.1 describes the radio telescopes located at fixed stations. Each antenna has a unique name used throughout this report consisting of at most eight upper case characters. The entries give the antenna diameter, location and operating institution. Table 1.2 has the latitude and longitude for each VLBI mobile site and fixed station, as well as the associated monument number. Each mobile site has a unique name of the same form as the station names. The monument number is followed by a single character. A "G" indicates a ground monument while an "A" indicates that the monument number refers to a point in the antenna (usually the intersection of axes). This code is followed by a three-letter code showing on which tectonic plate the site was assumed to be for the solutions. The selection of tectonic plate was somewhat arbitrary in some cases but does not affect the total velocity. The codes are:

AFR -- African
EUR -- Eurasian
IND -- Indo-Australian
NOA -- North American
PCF -- Pacific

A nearby geographical location is given for each site for quick reference.

TABLE 1.1
VLBI OBSERVING STATIONS

ALGOPARK, 46-m-diameter antenna at the Algonquin Radio Observatory near Lake Traverse, Ontario, Canada.

CHLBOLTN, 26-m-diameter antenna located in Chilbolton, England and operated by the Appleton Laboratories. (No longer in use for VLBI.)

DSS15, 34-m-diameter antenna operated by the Deep Space Network in the Goldstone Tracking Complex near Barstow, California.

DSS45, 34-m-diameter antenna operated by the Deep Space Network in Tidbinbilla, Australia.

DSS65, 34-m-diameter antenna operated by the Deep Space Network in Madrid, Spain.

EFLSBERG, 100-m-diameter antenna of the Max Planck Institute for Radio Astronomy located near Effelsberg, Germany.

GILCREEK, 26-m-diameter antenna operated by the CDP and located at the NOAA/NESDIS facility at Gilmore Creek, Alaska, near Fairbanks.

GOLDVENU, 26-m-diameter antenna operated by the Deep Space Network in the Goldstone Tracking Complex near Barstow, California. Also called **DSS13**.

HARTRAO, 26-m-diameter antenna at the Hartebeesthoek Radio Astronomy Observatory near Johannesburg, South Africa.

HATCREEK, 26-m-diameter antenna at the Hat Creek Radio Observatory, HatCreek, California.

HAYSTACK, 37-m-diameter antenna at the Haystack Observatory, Westford, Massachusetts.

HOBART26, 26-m-diameter antenna operated by the University of Tasmania at Hobart, Tasmania, Australia.

HRAS 085, 26-m-diameter antenna at the George R. Agassiz Station operated by the Harvard College Observatory and located near Fort Davis, Texas. (No longer in use.)

KASHIMA, 26-m-diameter antenna at the Kashima Space Research Center, Kashima, Japan.

KASHIM34, 34-m-diameter antenna at the Kashima Space Research Center, Kashima, Japan.

KAUAI, 9-m-diameter antenna operated by the CDP at the Kokee Park Geophysical Observatory on the island of Kauai in Hawaii. (Formerly part of NASA's Spaceflight Tracking and Data Network.)

KWAJAL26, 26-m-diameter TRADEX antenna operated for the U.S. Air Force by Lincoln Laboratory in the Marshall Islands.

MARCUS, 10-m-diameter antenna operated by the GSI on the island of Minami-tori Shima in the Western Pacific Ocean.

MARPOINT, 26-m-diameter antenna of the U.S. Naval Research Laboratory located near Maryland Point, Maryland. (No longer in use for routine operations.)

MATERA, 20-m-diameter antenna operated by the Italian Space Agency (ASI) in Matera, Italy.

MEDICINA, 32-m-diameter antenna operated by the University of Bologna, near Bologna, Italy.

MOJAVE12, 12-m-diameter antenna located at the NASA Goldstone complex near Barstow, California and operated by the NGS.

NOBEY 6M, 6-m-diameter antenna of the National Astronomy Observatory at Nobeyama, Japan.

NOTO, 32-m-diameter antenna operated by the University of Bologna at Noto, Sicily, Italy.

NRAO85 3, 26-m-diameter antenna at the National Radio Astronomy Observatory, Green Bank, West Virginia, operated for the U.S. Naval Observatory.

NRAO 140, 43-m-diameter antenna at the National Radio Astronomy Observatory, Green Bank, West Virginia.

ONSALA60, 20-m-diameter antenna at the Onsala

Space Observatory, Onsala, Sweden.

OVRO 130, 40-m-diameter antenna at the Owens Valley Radio Observatory, Big Pine, California.

PIETOWN, 25-m-diameter antenna of the VLBA near Pietown, New Mexico.

RICHMOND, 18-m-diameter antenna of the U.S. Naval Observatory near Miami, Florida.

ROBLED32, 32-m-diameter antenna located at the NASA Madrid complex in Spain and operated by the Deep Space Network.

SESHAN25, 25-m-diameter antenna of the Shanghai Astronomical Observatory near Shanghai, China.

SEST, 15-m-diameter antenna operated by the European Southern Observatory (ESO) near Cerro Tolollo, Chile.

SHANGHAI, 6-m-diameter antenna at the Shanghai Astronomical Observatory in Shanghai, China.

VNDNBERG, 9-m-diameter antenna operated by the CDP and located at the Vandenberg Air Force Base in California. (Ceased operations Summer 1990.)

WESTFORD, 18-m-diameter antenna at the Haystack Observatory, Westford,Massachusetts.

WETTZELL, 20-m-diameter antenna located in Bavaria, Germany and operated by the German Institute for Applied Geodesy (IfAG).

TABLE 1.2
VLBI SITE LOCATIONS

Site Name	Monument	Plt	Location	LAT		LONG	
				deg	min	deg	min
ALGOPARK	7282 A	NOA	Lake Traverse, Ont., Canada	45	57	281	56
AUSTINTX	7271 G	NOA	Austin, Texas	30	20	262	18
BERMUDA	7294 G	NOA	Bermuda Islands, U.K.	32	22	295	20
BLKBUTTE	7269 G	NOA	Black Butte, California	33	40	244	17
BLOOMIND	7291 G	NOA	Bloomington, Indiana	39	11	273	30
BREST	7604 G	EUR	Brest, France	48	24	355	30
CARNUSTY	7603 G	EUR	Carnoustie, Scotland	56	29	357	13
CARROLGA	7228 G	NOA	Carrolton, Georgia	33	34	274	53
CHLBOLTN	7215 A	EUR	Chilbolton, England	51	09	358	34
DEADMANL	7267 G	NOA	Deadman Lake, California	34	15	243	43
DSS15	7231 A	NOA	Barstow, California	35	25	243	07
DSS45	1642 A	IND	Tidbinbilla, Australia	-35	23	148	59
DSS65	1665 A	EUR	Madrid, Spain	40	26	355	45
EFLSBERG	7203 A	EUR	Effelsberg, Germany	50	31	6	53
ELY	7286 G	NOA	Ely, Nevada	39	18	245	09
FLAGSTAF	7261 G	NOA	Flagstaff, Arizona	35	13	248	22
FORT ORD	7266 G	PCF	Sand City, California	36	40	238	14
FORTORDS	7241 G	PCF	Sand City, California	36	35	238	14
FTD 7900	7900 G	NOA	Fort Davis, Texas	30	38	256	03
GILCREEK	7225 A	NOA	Fairbanks, Alaska	64	59	212	30
GOLDVENU	1513 A	NOA	Barstow, California	35	15	243	12
GORF7102	7102 G	NOA	Beltsville, Maryland	39	01	283	10
GRASSE	7605 G	EUR	Grasse, France	43	45	6	55
HAEAKAL	7120 G	PCF	LURE Obs., Maui, Hawaii	20	42	203	45
HARTRAO	7232 A	AFR	Johannesburg, South Africa	-25	52	27	41
HATCREEK	7218 A	NOA	Hat Creek, California	40	49	238	32
HAYSTACK	7205 A	NOA	Westford, Massachusetts	42	37	288	31
HOBART26	7242 A	AUS	Hobart, Tasmania, Australia	-42	47	147	26
HOHENFRG	7600 G	EUR	Hohenbuenstorf, Germany	53	03	10	29
HRAS 085	7216 A	NOA	Fort Davis, Texas	30	38	256	03
JPL MV1	7263 G	PCF	Pasadena, California	34	12	241	50
KASHIMA	1856 A	NOA	Kashima, Japan	35	57	140	40
KASHIM34	1857 A	NOA	Kashima, Japan	35	57	140	40
KAUAI	1311 A	PCF	Kokee Park, Kauai, Hawaii	22	08	200	20
KODIAK	7278 G	NOA	Kodiak, Alaska	57	44	207	30
KWAJAL26	4968 A	PCF	Roi-Namur, Marshall Islands	9	24	167	29
LEONRDOK	7292 G	NOA	Leonard, Oklahoma	35	55	264	12
MAMMOTHL	7259 G	NOA	Mammoth Lakes, California	37	38	241	03
MARCUS	7310 A	PAC	Minami-tori Shima, Japan	24	17	153	59
MARPOINT	7217 A	NOA	Maryland Point, Maryland	38	22	282	46
MATERA	7243 A	EUR	Matera, Italy	40	39	16	42
MCD 7850	7850 G	NOA	Fort Davis, Texas	30	41	255	59
MEDICINA	7230 A	EUR	Medicina, Italy	44	31	11	39
METSHOVI	7601 G	EUR	Metsahovi, Finland	60	15	24	23
MILESMON	7038 G	NOA	Miles City, Montana	46	24	254	08

Site Name	Monument	Plt	Location	LAT deg	LAT min	LONG deg	LONG min
MIYAZAKI	7312 G	EUR	Miyazaki, Japan	32	05	131	29
MOJ 7288	7288 G	NOA	Barstow, California	35	20	243	07
MOJAVE12	7222 A	NOA	Barstow, California	35	20	243	07
MON PEAK	7274 G	PCF	Monument Peak, California	32	54	243	35
NOBEY 6M	7244 A	NOA	Nobeyama, Japan	35	56	138	28
NOME	7279 G	NOA	Nome, Alaska	64	34	194	38
NOTO	7547 A	EUR	Noto, Sicily, Italy	36	53	14	59
NRAO 140	7204 A	NOA	Green Bank, West Virginia	38	26	280	10
NRAO85 3	7214 A	NOA	Green Bank, West Virginia	38	26	280	09
OCOTILLO	7270 G	NOA	Ocotillo, California	32	47	244	12
ONSALA60	7213 A	EUR	Onsala, Sweden	57	24	11	56
OVR 7853	7853 G	NOA	Big Pine, California	37	14	241	42
OVRO 130	7207 A	NOA	Big Pine, California	37	14	241	43
PBLOSSOM	7254 G	PCF	Pearblossom, California	34	31	242	05
PENTICTN	7283 G	NOA	Penticton, B.C., Canada	49	19	240	23
PIETOWN	7234 A	NOA	Pie Town, New Mexico	34	18	251	53
PINFLATS	7256 G	NOA	Pinyon Flats, California	33	37	243	32
PLATTVIL	7258 G	NOA	Platteville, Colorado	40	11	255	16
PRESIDIO	7252 G	PCF	San Francisco, California	37	48	237	33
PT REYES	7251 G	PCF	Point Reyes, California	38	06	237	04
PVERDES	7268 G	PCF	Palos Verdes, California	33	45	241	36
QUINCY	7221 G	NOA	Quincy, California	39	58	239	03
RICHMOND	7219 A	NOA	Miami, Florida	25	37	279	37
ROBLED32	1561 A	EUR	Madrid, Spain	40	26	355	45
SANPAULA	7255 G	PCF	Santa Paula, California	34	23	241	00
SEATTLE1	7229 G	NOA	Seattle, Washington	47	41	237	45
SESHAN25	7227 A	EUR	Shanghai, China	31	06	121	12
SEST	7239 A	SOA	Cerro Tolollo, Chile	-29	15	289	16
SHANGHAI	7226 A	EUR	Shanghai, China	31	11	121	26
SNDPOINT	7280 G	NOA	Sand Point, Alaska	55	21	199	31
SOURDOGH	7281 G	NOA	Sourdough, Alaska	62	40	214	31
TITIJIMA	7844 G	PCF	Titi Jima Island, Japan	27	06	142	12
TROMSONO	7602 G	EUR	Tromso, Norway	69	40	18	56
TSUKUBA	7311 G	NOA	Tsukuba, Japan	36	06	140	05
VERNAL	7290 G	NOA	Vernal, Utah	40	20	250	26
VICTORIA	7289 G	NOA	Victoria, Vancouver, Canada	48	23	236	31
VNDNBERG	7223 G	PCF	Vandenberg AFB, California	34	33	239	23
WESTFORD	7209 A	NOA	Westford, Massachusetts	42	37	288	30
WETTZELL	7224 A	EUR	Wettzell, Bavaria, FRG	49	09	12	53
WHTHORSE	7284 G	NOA	Whitehorse, Yukon Ter., Canada	60	43	224	55
YAKATAGA	7277 G	NOA	Cape Yakataga, Alaska	60	05	217	31
YELLOWKN	7285 G	NOA	Yellowknife, NW Ter., Canada	62	29	245	32
YUMA	7894 G	NOA	Yuma, Arizona	32	56	245	48

2.0 Summary of Experiments by Database and Site

Table 2.1 is a summary of the observing sessions. Each line corresponds to one session and contains the database name of the session and an asterisk (*) to indicate which fixed stations and/or mobile sites participated. The final character in each database name was meant to indicate the type of observing session but this convention has not been consistently used; the session types are, however, identified in the column to the right of the database name. These session types correspond to the observing programs described in detail in Section II part B. of the text.

TABLE 2.1
SUMMARY OF EXPERIMENTS BY SITE

	Experiment name	Experiment type	Fixed stations							Mobile and Transportable Sites										
			ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
1	$79AUG03XX	CDP Trans-US	-----	-----	*----	-----	---*-	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
2	$79NOV25X	CDP Atlantic	-----	*----	*----	-----	---*-	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
3	$80APR11XQ	CDP Trans-US	-----	-----	*-*--	-----	---*-	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
4	$80JUL26X	CDP Merit	-----	*----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
5	$80JUL27X	CDP Merit	-----	*----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
6	$80SEP26X	CDP Merit	-----	*----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
7	$80SEP27X	CDP Merit	-----	*----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
8	$80SEP28X	CDP Merit	-----	*----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
9	$80SEP29X	CDP Merit	-----	-----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
10	$80SEP30X	CDP Merit	-----	-----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
11	$80OCT01X	CDP Merit	-----	-----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
12	$80OCT02X	CDP Merit	-----	-----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
13	$80OCT16X	CDP Merit	-*---	-----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
14	$80OCT17X	CDP Merit	-*---	-----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
15	$80OCT18X	CDP Merit	-*---	-----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
16	$80OCT19X	CDP Merit	-*---	-----	*-*--	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
17	$80OCT20X	CDP Merit	-*---	-----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
18	$80OCT21X	CDP Merit	-*---	-----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
19	$80OCT22X	CDP Merit	-*---	-----	*-*--	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
20	$80NOV03XA	NGS Polaris	-----	-----	*-*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
21	$80DEC01XA	NGS Polaris	-----	-----	*-*--	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
22	$80DEC19XA	NGS Polaris	-----	-----	*-*--	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
23	$81JAN07XB	NGS Polaris	-----	-----	*-*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
24	$81JAN22XA	NGS Polaris	-----	-----	*-*--	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
25	$81FEB12X	NGS Polaris	-----	-----	*-*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
26	$81FEB27X	NGS Polaris	-----	-----	*-*--	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
27	$81MAR16X	NGS Polaris	-----	-----	*-*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
28	$81MAY13X	NGS Polaris	-----	-----	*-*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
29	$81JUN16X	CDP Trans-US	-----	-----	*-*--	-----	-----	-*---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
30	$81JUN24XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
31	$81JUL01X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
32	$81JUL08X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
33	$81JUL15X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
34	$81JUL22X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
35	$81JUL29X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
36	$81AUG05X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 OO D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RDOO DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
37	$81AUG26X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
38	$81SEP02XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
39	$81SEP09X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
40	$81SEP16X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
41	$81SEP23X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
42	$81SEP30X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
43	$81OCT15X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
44	$81OCT21XA	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
45	$81OCT28X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
46	$81NOV04XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
47	$81NOV10X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
48	$81NOV18X	CDP Atlantic	-----	-----	*-*--	-----	---*-	**---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
49	$81NOV19X	CDP Atlantic	-----	--*--	*-*--	-----	---*-	**---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
50	$81NOV24XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
51	$81DEC02XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
52	$81DEC16X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
53	$81DEC22X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
54	$81DEC29XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
55	$82JAN06X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
56	$82JAN13X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
57	$82JAN20X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
58	$82JAN27X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
59	$82FEB01X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
60	$82FEB10X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
61	$82FEB17X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
62	$82FEB24X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
63	$82MAR03X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
64	$82MAR10X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
65	$82MAR17X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
66	$82MAR24X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
67	$82MAR29X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
68	$82APR07X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
69	$82APR13X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
70	$82APR19XA	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
71	$82APR26X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
72	$82MAY03X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
73	$82MAY10XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
74	$82MAY17X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
75	$82JUN02X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
76	$82JUN07X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
77	$82JUN16X	CDP Atlantic	-----	--*--	-----	-----	-----	**---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
78	$82JUN18X	CDP Atlantic	-----	-----	*----	--*--	-----	**---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
79	$82JUN19XA	CDP Atlantic	-----	-----	*----	--*--	-----	**---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
80	$82JUN20XA	CDP Atlantic	-----	-----	*-*--	-----	-----	**---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
81	$82JUN21X	CDP Atlantic	-----	--*--	--*--	-----	-----	**---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
82	$82JUN28X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
83	$82JUL06XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
84	$82JUL12X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
85	$82JUL19X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
86	$82JUL26X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
87	$82AUG04X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
88	$82AUG09X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
89	$82AUG16X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
90	$82AUG23X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
91	$82AUG30X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
92	$82SEP07X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
93	$82SEP13X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
94	$82SEP20X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
95	$82SEP27X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
96	$82OCT04X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
97	$82OCT13X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
98	$82OCT16XA	California	-----	-----	--*--	-----	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
99	$82OCT17XA	California	-----	-----	--*--	-----	-----	-*---	-----	-----	-----	-----	--*--	-----	--*--	-----	-----	-----	-----	---
100	$82OCT18X	CDP Trans-US	-----	-----	--*--	--*--	-----	**---	---*-	-----	-----	-----	-----	-----	--*--	-----	-----	-----	-----	---
101	$82OCT21XA	California	-----	-----	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
102	$82OCT23XA	California	-----	--*--	--*--	-----	-----	-*---	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	---
103	$82OCT25X	NGS Polaris	-----	-----	--*--	-----	-----	-*---	---*-	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---
104	$82NOV01XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
105	$82NOV08XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
106	$82NOV15X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
107	$82NOV22XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
108	$82NOV29XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
109	$82DEC06XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
110	$82DEC15X	CDP Atlantic	-----	-----	--*--	-----	---*-	**---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
111	$82DEC16X	CDP Atlantic	-----	-----	--*--	-----	---*-	**---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
112	$82DEC20XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
113	$82DEC27X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
114	$83JAN03X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
115	$83JAN10X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
116	$83JAN17X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOO 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS80M H 5VO L 0IN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
117	$83JAN24XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
118	$83JAN31XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
119	$83FEB07X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
120	$83FEB14XA	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
121	$83FEB21X	California	-----	-----	-----	-----	-----	-*---	-----	-----	-----	-----	--*--	-----	-----	-*---	-----	-----	-----	---
122	$83FEB28X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
123	$83MAR07X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
124	$83MAR14X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
125	$83MAR21X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
126	$83MAR28X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
127	$83APR04X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
128	$83APR11X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
129	$83APR18X	NGS Polaris	-----	-----	-----	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
130	$83APR25X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
131	$83MAY02X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
132	$83MAY05X	CDP Atlantic	-----	*----	*-*--	-----	-----	*---*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
133	$83MAY09X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
134	$83MAY16X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
135	$83MAY23X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
136	$83MAY31X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
137	$83JUN06X	CDP Trans-US	-----	----*	--*--	-----	-----	-*---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
138	$83JUN07X	Western US	-----	----*	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
139	$83JUN07XP	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
140	$83JUN09X	CDP Trans-US	-----	----*	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
141	$83JUN13X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
142	$83JUN20X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
143	$83JUN27XA	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	---*-	-----	---*-	-----	-----	---
144	$83JUN28XA	NGS Polaris	-----	-----	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
145	$83JUN29X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	--*--	-*---	-----	-----	-----	-----	-----	---
146	$83JUL05X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
147	$83JUL11X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
148	$83JUL25X	NGS Polaris	-----	-----	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
149	$83AUG01X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
150	$83AUG08X	NGS Polaris	-----	-----	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
151	$83AUG15X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
152	$83AUG22XJ	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	-----	-----	--*--	-----	-----	---*-	---
153	$83AUG22XP	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
154	$83AUG23X	California	-----	-----	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
155	$83AUG25XJ	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-*---	-----	-----	-----	-----	*----	-----	---*-	---
156	$83AUG27X	California	-----	--*--	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	**---	-----	---*-	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
157	$83AUG29X	NGS Polaris	-----	-----	--*--	--*--	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
158	$83AUG30X	CDP Atlantic	-----	-----	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
159	$83AUG31X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	---*-	---
160	$83SEP02X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
161	$83SEP07X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
162	$83SEP12X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
163	$83SEP17X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
164	$83SEP22X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
165	$83SEP23XA	CDP Atlantic	-----	-----	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
166	$83SEP27X	NGS Polaris	-----	-----	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
167	$83OCT02X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
168	$83OCT07X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
169	$83OCT12X	NGS Polaris	-----	-----	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
170	$83OCT17X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
171	$83OCT22X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
172	$83OCT27X	NGS Polaris	-----	-----	--*--	-----	*----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
173	$83OCT28X	CDP Atlantic	-----	-----	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
174	$83OCT29X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	-----	-----	-----	---
175	$83OCT31X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	-----	-----	---*-	-----	-----	---*-	---
176	$83NOV01X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
177	$83NOV03X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	--*
178	$83NOV05X	California	-----	-----	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	-----	--*
179	$83NOV06X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
180	$83NOV08X	California	-----	-----	--*--	-----	*----	-----	-----	--*--	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	---
181	$83NOV10X	California	-----	-----	-----	-----	*----	-----	-----	--*--	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
182	$83NOV11X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
183	$83NOV12X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	---
184	$83NOV16X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
185	$83NOV17X	CDP Atlantic	-----	-----	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
186	$83NOV21X	NGS Polaris	-----	-----	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
187	$83NOV26X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
188	$83DEC01X	NGS Polaris	-----	-----	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
189	$83DEC06X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
190	$83DEC11X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
191	$83DEC16X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
192	$83DEC21X	NGS Polaris	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
193	$83DEC22X	CDP Atlantic	-----	-----	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
194	$83DEC26X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
195	$83DEC31X	NGS Polaris	-----	-----	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
196	$84JAN04X	IRIS-A	-----	-----	--*--	-----	*----	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS80M H 5VO L 0IN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
197	$84JAN07X	Local Survey	-----	--*--	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
198	$84JAN09X	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
199	$84JAN14X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
200	$84JAN14XP	Local Survey	-----	--*--	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
201	$84JAN24X	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
202	$84JAN24XK	CDP Pacific	-----	-----	----*	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
203	$84JAN29X	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
204	$84FEB03X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
205	$84FEB08X	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
206	$84FEB13X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
207	$84FEB18X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
208	$84FEB20X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	-----	-----	-*---	-----	-----	---*-	---
209	$84FEB23X	California	-----	----*	-----	-----	*----	-*---	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	---*-	---
210	$84FEB23XA	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
211	$84FEB24X	CDP Atlantic	-----	-----	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
212	$84FEB24XW	CDP Pacific	-----	----*	----*	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
213	$84FEB26X	California	-----	----*	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---*-	---
214	$84FEB28XP	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
215	$84FEB29X	California	-----	-----	-----	-----	*----	-----	-----	-----	--*--	-----	-----	-----	-----	-----	----*	-----	---*-	---
216	$84MAR03X	California	-----	-----	-----	-----	*----	-----	-----	--*--	-----	-----	-----	-----	----*	-----	-----	-----	---*-	---
217	$84MAR04XP	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
218	$84MAR09XP	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
219	$84MAR14X	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
220	$84MAR19X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
221	$84MAR25X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
222	$84MAR30X	IRIS-A	-----	-----	--*--	-----	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
223	$84APR03X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
224	$84APR08X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
225	$84APR09X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	*----	-----	-----	-----	-----	-----	---
226	$84APR12X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	-----	---*-	---
227	$84APR13X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
228	$84APR17X	California	-----	----*	--*--	-----	*----	-----	-----	-----	----*	-----	-----	-----	-----	----*	-----	-----	-----	---
229	$84APR18X	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
230	$84APR19X	CDP Atlantic	-----	-----	*----	-----	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
231	$84APR22X	California	-----	-----	--*--	-----	*----	-----	-----	-----	---*-	-----	-----	-----	-----	----*	-----	-----	-----	---
232	$84APR23X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
233	$84APR25X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
234	$84APR26X	N- Am- Plate	-----	----*	*-*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
235	$84APR28X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
236	$84MAY03X	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOO 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RDOO DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
237	$84MAY08X	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
238	$84MAY13X	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
239	$84MAY18X	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
240	$84MAY19X	CDP Atlantic	-----	-----	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
241	$84MAY23X	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
242	$84MAY28X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
243	$84JUN02X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
244	$84JUN07X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
245	$84JUN12XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
246	$84JUN17X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
247	$84JUN22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
248	$84JUN27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
249	$84JUL02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
250	$84JUL07X	CDP Pacific	-----	-*---	-----	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
251	$84JUL07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
252	$84JUL12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
253	$84JUL14X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
254	$84JUL17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	---*-	-----	-----	-*---	---*-	---
255	$84JUL18DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	---
256	$84JUL21X	CDP Pacific	-----	-*---	-----	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
257	$84JUL22X	CDP Pacific	-----	-*---	-----	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
258	$84JUL22XA	IRIS-A	-----	-----	--*--	-----	-----	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
259	$84JUL23X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	---*-	-----	-----	-----	---*-	---
260	$84JUL27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
261	$84JUL28X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
262	$84JUL29X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
263	$84JUL31X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
264	$84AUG01X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---*-	*--
265	$84AUG04X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
266	$84AUG05X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
267	$84AUG06X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
268	$84AUG07X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---**	---
269	$84AUG11X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
270	$84AUG16X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
271	$84AUG21X	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
272	$84AUG24X	N- Am- Plate	*----	-*---	--*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	-*-
273	$84AUG26XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
274	$84AUG28X	N- Am- Plate	*----	-*---	--*--	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
275	$84AUG30X	CDP Polar	-----	-*---	*---*	-----	*----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
276	$84AUG31XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RDOO DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
277	$84SEP02X	CDP Polar	-----	-*---	*---*	-----	*----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
278	$84SEP05XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
279	$84SEP10XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
280	$84SEP15XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
281	$84SEP20XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
282	$84SEP23X	CDP Low Elev	-----	-----	*----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
283	$84SEP25XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
284	$84SEP30XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
285	$84OCT05XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
286	$84OCT10XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
287	$84OCT15XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
288	$84OCT20XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
289	$84OCT22X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	*----	-----	-----	-----	-----	---*-	---
290	$84OCT23X	CDP phase d	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
291	$84OCT25X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	-----	-----	-*---	-----	-----	---*-	---
292	$84OCT25XB	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
293	$84OCT26X	CDP Atlantic	-----	-----	*----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
294	$84OCT28X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	---
295	$84OCT30XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
296	$84OCT31X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	--*
297	$84NOV04XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
298	$84NOV09XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
299	$84NOV14XI	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
300	$84NOV15X	CDP Atlantic	-----	-----	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
301	$84NOV16X	CDP Low Elev	-----	-----	*----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
302	$84NOV19XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
303	$84NOV24XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
304	$84NOV29XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
305	$84DEC04XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
306	$84DEC09XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
307	$84DEC14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
308	$84DEC19XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
309	$84DEC23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
310	$84DEC29XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
311	$85JAN03XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
312	$85JAN08XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
313	$85JAN09X	California	-----	-----	-----	-----	*----	-----	-----	-----	--*--	-----	-----	-----	-----	-----	----*	-----	---*-	---
314	$85JAN12X	California	-----	-----	-----	-----	*----	-----	-----	--*--	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	---
315	$85JAN13XI	IRIS-A	-----	-----	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
316	$85JAN15X	California	-----	-----	-----	-----	*----	-----	-----	--*--	-----	-----	-----	-----	----*	-----	-----	-----	---*-	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOO 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L 0IN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
317	$85JAN18X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	--*--	-----	-----	---*-	-----	-----	---*-	---
318	$85JAN18XA	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
319	$85JAN23XI	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
320	$85JAN24X	CDP Atlantic	-----	-----	*----	-----	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
321	$85JAN25X	CDP Low Elev	-----	-----	*----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
322	$85JAN28XA	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
323	$85FEB02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
324	$85FEB07XB	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
325	$85FEB12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
326	$85FEB17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
327	$85FEB22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
328	$85FEB27XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
329	$85MAR01X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	--*
330	$85MAR04X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	----*	-----	--*--	-----	---*-	---
331	$85MAR04XI	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
332	$85MAR05X	CDP Atlantic	-----	-----	*-*--	-----	*----	**---	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
333	$85MAR07X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	-----	-----	-*---	-----	-----	---*-	---
334	$85MAR08X	CDP phase d	-----	----*	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
335	$85MAR09XI	IRIS-A	-----	-----	--*--	-----	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
336	$85MAR10X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	---*-	---
337	$85MAR13XR	California	-----	-----	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	**---	-----	---*-	---
338	$85MAR14XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
339	$85MAR19XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
340	$85MAR20X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
341	$85MAR24XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
342	$85MAR29XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
343	$85APR03XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
344	$85APR08XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
345	$85APR13XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
346	$85APR18XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
347	$85APR23XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
348	$85APR24X	CDP Atlantic	-----	-----	*----	-----	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
349	$85APR28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
350	$85MAY02X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	----*	-----	-----	-----	-----	----*	-----	-----	-----	---
351	$85MAY03XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
352	$85MAY06X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	---*-	-----	-----	-----	-----	----*	-----	-----	-----	---
353	$85MAY07XA	N- Am- Plate	-----	-*--*	--*--	-----	*----	-*---	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
354	$85MAY08XI	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
355	$85MAY09X	CDP Atlantic	-----	-----	--*--	-----	*----	**---	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
356	$85MAY12X	Western US	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	-----	---*-	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
357	$85MAY13X	MOBL phase d	-----	----*	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	-----	-----	---
358	$85MAY13XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
359	$85MAY14X	Western US	-----	-----	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	-----	-----	---
360	$85MAY15XG	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
361	$85MAY18XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
362	$85MAY23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
363	$85MAY28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
364	$85MAY30X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
365	$85JUN02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
366	$85JUN07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
367	$85JUN12XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
368	$85JUN17XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
369	$85JUN18X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
370	$85JUN19X	CDP Polar	-----	-*---	----*	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
371	$85JUN22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
372	$85JUN27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
373	$85JUL02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
374	$85JUL06X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
375	$85JUL07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
376	$85JUL12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
377	$85JUL17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
378	$85JUL18X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	---*-	-----	-----	-----	---*-	---
379	$85JUL20X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
380	$85JUL22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
381	$85JUL25X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	-*---	---*-	---
382	$85JUL27X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
383	$85JUL27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
384	$85AUG01XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
385	$85AUG05X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---*-	*--
386	$85AUG06XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
387	$85AUG08DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	---
388	$85AUG10X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
389	$85AUG11XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
390	$85AUG12X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---*-	---
391	$85AUG13X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
392	$85AUG16X	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
393	$85AUG21XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
394	$85AUG24X	N- Am- Plate	*----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
395	$85AUG26XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
396	$85AUG28X	N- Am- Plate	*----	-----	--*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
397	$85AUG31XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
398	$85SEP04X	N- Am- Plate	*----	-*---	--*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	-*-
399	$85SEP05XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
400	$85SEP10XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
401	$85SEP11X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
402	$85SEP12X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
403	$85SEP15XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
404	$85SEP20XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
405	$85SEP25XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
406	$85SEP30X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
407	$85SEP30XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
408	$85OCT02X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
409	$85OCT05XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
410	$85OCT10XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
411	$85OCT15XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
412	$85OCT19X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	**---	-----	---*-	---
413	$85OCT20XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
414	$85OCT23X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	*----	-----	-----	-----	-----	*----	-----	---*-	---
415	$85OCT25X	CDP phase d	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
416	$85OCT25XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
417	$85OCT27X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	-----	-----	-*---	-----	-----	---*-	---
418	$85OCT29X	CDP Atlantic	-----	-----	--*--	-----	*----	**---	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
419	$85OCT30X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	-----	-----	---*-	-----	-----	---*-	---
420	$85OCT30XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
421	$85NOV02X	California	-----	-----	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	--*
422	$85NOV04XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
423	$85NOV05X	California	-----	-----	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	--*
424	$85NOV07X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
425	$85NOV09XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
426	$85NOV14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
427	$85NOV19XI	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
428	$85NOV20X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
429	$85NOV21X	CDP Polar	-----	-*---	----*	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
430	$85NOV24XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
431	$85NOV29XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
432	$85DEC04XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
433	$85DEC09XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
434	$85DEC10X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
435	$85DEC12X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	---
436	$85DEC13X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOO 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS80M H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
437	$85DEC14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
438	$85DEC19XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
439	$85DEC23XI	IRIS-A	-----	-----	-----	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
440	$85DEC29XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
441	$86JAN03XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
442	$86JAN05X	California	-----	-----	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	-----	---
443	$86JAN08XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
444	$86JAN09XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
445	$86JAN13XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
446	$86JAN14X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
447	$86JAN15XH	IRIS-S	-----	---*-	-----	-----	-----	*--*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
448	$86JAN18XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
449	$86JAN19XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
450	$86JAN20X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
451	$86JAN23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
452	$86JAN28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
453	$86JAN29XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
454	$86FEB02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
455	$86FEB03XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
456	$86FEB07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
457	$86FEB11XH	IRIS-S	-----	---*-	-----	-----	-----	*--*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
458	$86FEB12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
459	$86FEB17DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	---
460	$86FEB17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
461	$86FEB18X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
462	$86FEB22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
463	$86FEB23X	California	-----	-----	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	-----	---
464	$86FEB26X	California	-----	-----	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	-----	---
465	$86FEB27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
466	$86MAR04XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
467	$86MAR09XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
468	$86MAR11X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
469	$86MAR13X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
470	$86MAR14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
471	$86MAR19XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
472	$86MAR20X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
473	$86MAR24XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
474	$86MAR26X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	----*	-----	-----	-----	-----	----*	-----	-----	-----	---
475	$86MAR29XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
476	$86MAR30X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	-----	-*---	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L 0iN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
477	$86APR01X	N- Am- Plate	-----	-*--*	--*--	-----	*----	-*---	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
478	$86APR02X	Western US	-----	----*	--*--	-----	*----	-*---	-----	-----	---*-	-----	-----	-----	-----	----*	-----	-----	-----	---
479	$86APR03XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
480	$86APR04X	CDP Atlantic	-----	-----	--*--	-----	*----	**---	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
481	$86APR06X	CDP phase d	-----	----*	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
482	$86APR07X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	---
483	$86APR08X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
484	$86APR08XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
485	$86APR10X	California	-----	-----	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	--*
486	$86APR13X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	-----	-----	---*-	-----	-----	---*-	---
487	$86APR13XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
488	$86APR17X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
489	$86APR18XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
490	$86APR23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
491	$86APR28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
492	$86MAY02XT	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
493	$86MAY03XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
494	$86MAY08XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
495	$86MAY13XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
496	$86MAY14X	CDP Atlantic	-----	-----	--*--	-----	*----	**---	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
497	$86MAY17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
498	$86MAY18X	California	-----	-----	--*--	-----	*----	-*---	-----	--*--	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	---
499	$86MAY21X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	--*
500	$86MAY23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
501	$86MAY28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
502	$86MAY29X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
503	$86JUN02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
504	$86JUN07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
505	$86JUN11X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
506	$86JUN12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
507	$86JUN13X	CDP Pacific	-----	-*---	----*	*----	-----	-----	--*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
508	$86JUN16X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
509	$86JUN17XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
510	$86JUN18X	CDP Polar	-----	-*---	----*	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
511	$86JUN22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
512	$86JUN27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
513	$86JUL02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
514	$86JUL05X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
515	$86JUL07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
516	$86JUL12X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS O77S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS80M H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
517	$86JUL12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
518	$86JUL16X	CDP Low Elev	-----	-----	*-*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
519	$86JUL17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
520	$86JUL22X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	---*-	-----	-----	-----	---*-	---
521	$86JUL22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
522	$86JUL24X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	---*-	-----	-----	-----	---*-	---
523	$86JUL26X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
524	$86JUL27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
525	$86JUL31X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	-*---	---*-	---
526	$86AUG01XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
527	$86AUG02X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
528	$86AUG06XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
529	$86AUG11X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---*-	*--
530	$86AUG11XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
531	$86AUG13X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---*-	*--
532	$86AUG14X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
533	$86AUG16XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
534	$86AUG18X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---**	---
535	$86AUG20X	Alaska	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---**	---
536	$86AUG21XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
537	$86AUG25X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
538	$86AUG26XI	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
539	$86AUG27X*	NGS NCMN	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	---
540	$86AUG31XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
541	$86SEP05X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
542	$86SEP05XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
543	$86SEP10XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
544	$86SEP15XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
545	$86SEP16X	CDP Atlantic	-----	-----	*----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
546	$86SEP17X	CDP Low Elev	-----	-----	*-*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
547	$86SEP20XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
548	$86SEP25XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
549	$86SEP30XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
550	$86OCT05XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
551	$86OCT09X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
552	$86OCT10XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
553	$86OCT15XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
554	$86OCT16X	CDP Atlantic	-----	-----	--*--	-----	*----	**---	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
555	$86OCT18X	MOBL phase d	-----	----*	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	---*-	-----	---*-	-----	-----	---
556	$86OCT19X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	---*-	-----	---*-	-----	---*-	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
557	$86OCT20DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	-----	-----	-----	---
558	$86OCT20XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
559	$86OCT22X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	*----	-----	-----	-----	-----	-----	---
560	$86OCT23X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
561	$86OCT25XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
562	$86OCT26X	California	-----	-----	--*--	-----	*----	-*---	-----	--*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
563	$86OCT28X	CDP phase d	-----	----*	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	---
564	$86OCT29X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
565	$86OCT30XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	--*
566	$86OCT31X	N- Am- Plate	-----	-*--*	--*--	-----	*----	-*---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
567	$86NOV01X	California	-----	-----	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
568	$86NOV03X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	--*
569	$86NOV04X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
570	$86NOV04XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	--*--	-----	-----	---*-	-----	-----	---*-	---
571	$86NOV05X	CDP Polar	-----	-*---	----*	-----	*----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
572	$86NOV07X	CDP Pacific	-----	-*---	----*	*----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
573	$86NOV09XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
574	$86NOV12X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
575	$86NOV14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
576	$86NOV19XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
577	$86NOV24XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
578	$86NOV29XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
579	$86DEC04XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
580	$86DEC05X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
581	$86DEC08X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
582	$86DEC09XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
583	$86DEC10X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
584	$86DEC13X	California	-----	-----	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	--*
585	$86DEC14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	--*
586	$86DEC16X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
587	$86DEC17X	CDP Low Elev	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	--*--	-----	-----	---*-	-----	-----	---*-	---
588	$86DEC19XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
589	$86DEC23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
590	$86DEC29XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
591	$87JAN03XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
592	$87JAN08XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
593	$87JAN13XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
594	$87JAN14X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
595	$87JAN18XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
596	$87JAN19XH	IRIS-S	-----	---*-	-----	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
597	$87JAN20X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
598	$87JAN23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
599	$87JAN28X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	-----	---*-	---
600	$87JAN28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
601	$87JAN29XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
602	$87JAN31X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	---
603	$87FEB02XI	IRIS-A	-----	-----	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
604	$87FEB03X	California	-----	----*	-----	-----	*----	-----	-----	--*--	-----	-----	-----	-----	-----	-----	-*---	-----	---*-	---
605	$87FEB03XA	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
606	$87FEB04XH	IRIS-S	-----	---*-	-----	-----	-----	*--*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
607	$87FEB06X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	---*-	--*
608	$87FEB07XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
609	$87FEB08XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
610	$87FEB09X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	*----	-----	-----	--*--	-----	-----	-----	---*-	---
611	$87FEB12XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
612	$87FEB17X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
613	$87FEB17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
614	$87FEB18XH	IRIS-S	-----	---*-	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
615	$87FEB22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
616	$87FEB23DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	---
617	$87FEB23XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
618	$87FEB24X	CDP Research	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
619	$87FEB27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
620	$87MAR04XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
621	$87MAR09XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
622	$87MAR14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
623	$87MAR19XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
624	$87MAR22X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	--*
625	$87MAR24X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
626	$87MAR24XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
627	$87MAR25X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	--*--	-----	---*-	---
628	$87MAR25XA	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
629	$87MAR26X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
630	$87MAR28X	California	-----	-----	-----	-----	*----	-----	-----	-----	--*--	-----	-----	-----	-----	-----	----*	-----	---*-	---
631	$87MAR29XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
632	$87APR03XI	IRIS-A	-----	-----	--*--	----*	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
633	$87APR08XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
634	$87APR09X	CDP Atlantic	-----	-----	--*--	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
635	$87APR13XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
636	$87APR14X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOO 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
637	$87APR18XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
638	$87APR21X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
639	$87APR23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
640	$87APR28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
641	$87APR29XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
642	$87MAY01X	N- Am- Plate	-----	-*--*	--*--	-----	*----	-*---	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
643	$87MAY02X	N- Am- Plate	-----	-*--*	--*--	-----	*----	-*---	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
644	$87MAY03XI	IRIS-A	-----	-----	--*--	----*	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
645	$87MAY04X	CDP Atlantic	-----	-----	--*--	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
646	$87MAY06X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-*---	---
647	$87MAY07X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
648	$87MAY08XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
649	$87MAY10X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	---
650	$87MAY13XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	--*
651	$87MAY14X	California	-----	-----	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	-----	---*-	---
652	$87MAY17X	California	-----	----*	-----	-----	*----	-----	-----	--*--	-----	-----	-----	-----	-----	-----	*----	-----	---*-	---
653	$87MAY18XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
654	$87MAY21X	California	-----	----*	-----	-----	*----	-----	-----	-----	-----	*----	-----	-----	-----	-----	-*---	-----	---*-	---
655	$87MAY23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
656	$87MAY24X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
657	$87MAY28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
658	$87MAY29XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
659	$87JUN02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
660	$87JUN06XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
661	$87JUN09X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
662	$87JUN12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
663	$87JUN17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
664	$87JUN18X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
665	$87JUN22XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
666	$87JUN23X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
667	$87JUN24X	CDP Polar	-----	-*---	----*	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
668	$87JUN27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
669	$87JUN28XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
670	$87JUL02XI	IRIS-A	-----	-----	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
671	$87JUL07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
672	$87JUL08X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
673	$87JUL11X*	NGS NCMN	-----	-----	--*--	-----	-----	---*-	---*-	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
674	$87JUL12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
675	$87JUL15X	Alaska	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---
676	$87JUL17X	Alaska	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS 08146 P0555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOO 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS80M H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L 18K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
677	$87JUL17XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
678	$87JUL18X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
679	$87JUL18X*	NGS NCMN	-----	-----	--*--	-----	-----	---*-	---*-	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	---
680	$87JUL21XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
681	$87JUL22XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
682	$87JUL23X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
683	$87JUL25X	Alaska	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---
684	$87JUL27XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
685	$87AUG01X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
686	$87AUG01XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
687	$87AUG02X*	NGS NCMN	-----	-----	-----	-----	-----	---*-	---*-	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
688	$87AUG04X*	NGS NCMN	-----	-----	-----	--*--	-----	---*-	---*-	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
689	$87AUG05X*	NGS NCMN	-----	-----	-----	--*--	-----	---*-	---*-	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
690	$87AUG06XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
691	$87AUG07X	Alaska	-----	-*--*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
692	$87AUG08X*	NGS NCMN	-----	-----	-----	--*--	-----	---*-	---*-	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
693	$87AUG09X	CDP Pacific	-----	-*--*	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
694	$87AUG11XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
695	$87AUG13X	Alaska	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
696	$87AUG14X	Alaska	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
697	$87AUG16XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
698	$87AUG19X*	NGS NCMN	-----	-----	--*--	-----	-----	-----	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
699	$87AUG20X	Alaska	-----	-*---	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---
700	$87AUG21X	Alaska	-----	-*---	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---
701	$87AUG21XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
702	$87AUG22X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
703	$87AUG24X*	NGS NCMN	-----	-----	--*--	-----	-----	---*-	---*-	-----	-----	-----	-----	----*	-----	-----	-----	-----	-----	---
704	$87AUG25X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
705	$87AUG26XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
706	$87AUG27XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
707	$87AUG31XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
708	$87SEP05XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
709	$87SEP10XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
710	$87SEP11X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
711	$87SEP15XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
712	$87SEP16X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
713	$87SEP20XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
714	$87SEP23X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
715	$87SEP25XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
716	$87SEP30XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOO 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS80M H 5VO L 0IN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
717	$87OCT05XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
718	$87OCT10XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
719	$87OCT15X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-*---	-----	-----	---*-	---
720	$87OCT15XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
721	$87OCT16X	CDP Atlantic	-----	-----	--*--	-----	*----	**---	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
722	$87OCT18X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	*----	--*--	-----	-----	-----	-----	-----	---*-	---
723	$87OCT19X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
724	$87OCT20XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
725	$87OCT21X	California	-----	----*	-----	-----	*----	-*---	-----	--*--	-----	-----	-----	-----	-----	-----	*----	-----	---*-	---
726	$87OCT21XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
727	$87OCT22X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
728	$87OCT24X	California	-----	----*	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---*-	--*
729	$87OCT25XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
730	$87OCT27X	MOBL phase d	-----	----*	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---
731	$87OCT28X	California	-----	-----	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	-----	---*-	---
732	$87OCT30XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
733	$87OCT31X	N- Am- Plate	-----	-*---	--*--	-----	*----	-*---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
734	$87NOV01X	Local Survey	--*--	--*--	-----	-----	*----	-*---	-----	-----	-----	-----	-----	-----	-*---	*----	-----	-----	-----	---
735	$87NOV03X	CDP Atlantic	-----	-----	-----	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
736	$87NOV04XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
737	$87NOV05X	CDP Polar	-----	-*---	----*	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
738	$87NOV09XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
739	$87NOV10X	CDP Research	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
740	$87NOV14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
741	$87NOV18DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	---
742	$87NOV19XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
743	$87NOV23X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
744	$87NOV24XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
745	$87NOV25DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	---
746	$87NOV29XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
747	$87NOV30XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
748	$87DEC04XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
749	$87DEC05X	California	-----	-----	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	-----	--*
750	$87DEC07X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
751	$87DEC08X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	--*--	-----	---*-	---
752	$87DEC08XA	CDP Atlantic	-----	-----	-----	----*	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
753	$87DEC09XI	IRIS-A	-----	-----	--*--	----*	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
754	$87DEC11X	California	-----	-----	-----	-----	*----	-----	-----	-----	--*--	-----	-----	-----	-----	-----	----*	-----	---*-	---
755	$87DEC14X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	--*--	-----	-----	-*---	-----	-----	---*-	---
756	$87DEC14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L 0IN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
757	$87DEC15X	CDP Research	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
758	$87DEC18XH	IRIS-S	-----	---*-	-----	----*	-----	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
759	$87DEC19XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
760	$87DEC20XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
761	$87DEC21XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
762	$87DEC23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
763	$87DEC29XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
764	$88JAN03XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
765	$88JAN07XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
766	$88JAN08XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
767	$88JAN12XH	IRIS-S	-----	---*-	-----	-----	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
768	$88JAN13XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
769	$88JAN16X	CDP Pacific	-----	-*---	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
770	$88JAN17XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
771	$88JAN18XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
772	$88JAN19XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
773	$88JAN22XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
774	$88JAN23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
775	$88JAN27X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
776	$88JAN28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
777	$88FEB02X	California	-----	-----	-----	-----	*----	-----	-----	-----	--*--	-----	--*--	-----	-----	-----	-----	-----	---*-	---
778	$88FEB02XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
779	$88FEB03X	CDP Atlantic	-----	-----	--*--	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
780	$88FEB05X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	--*--	-----	---*-	---
781	$88FEB07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
782	$88FEB08X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	----*	-----	---*-	---
783	$88FEB09DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	---
784	$88FEB10XO	USNO Test	-----	-*---	-----	--*--	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
785	$88FEB11X	N- Am- Plate	-----	-*---	--*--	-----	*----	-*---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
786	$88FEB12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
787	$88FEB13X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	*----	-----	-----	-----	-----	-*---	-----	---*-	---
788	$88FEB14X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	*----	-----	-----	-----	-----	-*---	-----	---*-	---
789	$88FEB17X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	*----	-----	-----	-----	-----	*----	-----	---*-	---
790	$88FEB17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
791	$88FEB18X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	*----	-----	-----	-----	-----	*----	-----	---*-	---
792	$88FEB20X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
793	$88FEB22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
794	$88FEB23XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
795	$88FEB25XO	USNO Test	-----	-*---	-----	--*--	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
796	$88FEB27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOO 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
797	$88MAR03XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
798	$88MAR08XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
799	$88MAR09X	CDP Atlantic	-----	-----	-----	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
800	$88MAR13XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
801	$88MAR14XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
802	$88MAR16XO	USNO Test	-----	-*---	-----	--*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
803	$88MAR17X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
804	$88MAR18XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
805	$88MAR23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
806	$88MAR24XO	USNO Test	-----	-*---	-----	--*--	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
807	$88MAR28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
808	$88MAR31XO	USNO Test	-----	-*---	-----	--*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
809	$88APR02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
810	$88APR05X	CDP Research	-----	-*---	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
811	$88APR07XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
812	$88APR09X	CDP Pacific	-----	-*---	----*	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
813	$88APR12XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
814	$88APR13X	CDP Atlantic	-----	-----	--*--	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
815	$88APR15X*	NGS NCMN	-----	-----	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	----*	-----	-----	-----	-----	-----	---
816	$88APR17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
817	$88APR18XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
818	$88APR20X	N- Am- Plate	-----	-*--*	--*--	-----	*----	-*---	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
819	$88APR21X	N- Am- Plate	-----	-*--*	--*--	-----	*----	-*---	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
820	$88APR22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
821	$88APR25X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-*---	---
822	$88APR27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
823	$88APR29X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	---*-	--*
824	$88APR30X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	---*-	--*
825	$88MAY01X	CDP Research	-----	-*--*	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
826	$88MAY02XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
827	$88MAY04X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	-----	---*-	---
828	$88MAY05X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	-----	---*-	---
829	$88MAY05XO	USNO Test	-----	-*---	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
830	$88MAY07XI	IRIS-A	-----	-----	--*--	----*	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
831	$88MAY08X	California	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	---
832	$88MAY12XI	IRIS-A	-----	-----	--*--	----*	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
833	$88MAY16X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
834	$88MAY17XI	IRIS-A	-----	-----	--*--	----*	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
835	$88MAY18XP	IRIS-P	-----	-*---	--*-*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
836	$88MAY21X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L 0IN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
837	$88MAY22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
838	$88MAY22XO	USNO Test	-----	-*---	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
839	$88MAY23X	CDP Pacific	---*-	-----	-----	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
840	$88MAY27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
841	$88JUN01XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
842	$88JUN04X	CDP Pacific	-----	-*---	-----	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
843	$88JUN05XO	USNO Test	-----	-*---	-----	*-*--	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
844	$88JUN06XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
845	$88JUN11XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
846	$88JUN16XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
847	$88JUN17X	CDP E- Atln-	-----	-----	-----	----*	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
848	$88JUN18X	CDP Polar	-----	-*---	-----	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
849	$88JUN21XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
850	$88JUN22XP	IRIS-P	-----	-*---	--*-*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
851	$88JUN25X	Local Survey	-----	-*---	-----	*----	*----	-----	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	---
852	$88JUN26XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
853	$88JUL01X	Local Survey	-----	-*---	-----	*----	*----	-----	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	---
854	$88JUL01XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
855	$88JUL03X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---
856	$88JUL04X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---
857	$88JUL05X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---
858	$88JUL06XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
859	$88JUL08X	CDP Research	-----	-**--	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
860	$88JUL09X	CDP Pacific	-----	-*---	-----	*----	*----	-----	-----	-----	-----	-----	*----	-----	-----	-----	-----	-----	-----	---
861	$88JUL11X	Alaska	-----	-*---	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---
862	$88JUL11XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
863	$88JUL12X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---
864	$88JUL13X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---
865	$88JUL16X	CDP Pacific	---*-	-*---	----*	**---	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
866	$88JUL16XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
867	$88JUL16XO	USNO Test	-----	-*---	-----	*-*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
868	$88JUL21X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
869	$88JUL21XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
870	$88JUL22X	Alaska	-----	-*---	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
871	$88JUL23X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
872	$88JUL24X	CDP Pacific	-----	-*---	-----	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
873	$88JUL25XP	IRIS-P	-----	-*---	--*-*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
874	$88JUL26XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
875	$88JUL27X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---
876	$88JUL28X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD	EGGHH	HHHKK	KKMMM	MNNNN	OOPRR	SSSWW	ABBBB	CCDEF	FFFGG	HHJKL	MMMMM	MMMNO	OPPPP	PPPQS	SSSTT	TVVVW	YYY
			LHSSS	FIOAA	AORAA	AWAAE	OOORR	NVIIO	EEHEE	UELLR	AAELL	OOTOR	AOPOE	AACEI	IOOOC	VBEIL	RTVUA	ENOIR	SEINH	AEU
			GLSSS	LLLRT	YBASS	UARTD	JBTAA	SRECB	SSAST	SRKOE	RRAYA	RRDRA	LHLDO	MRDTL	YJNMO	RLNNA	E EIN	ADUTO	URCDT	KLM
			OB146	SCDTC	SASHH	AJPEI	AEOOO	AOTHL	HTNTT	TMBOS	NRD G	TT FS	EE IN	MC SE	A ET	OTFT	SRRNP	TPRIM	KNTNH	ALA
			PO555	BRVRR	TR II	IAORC	VY 8	L OME	A GFZ	IUUMT	UOM S	077S	ANMAR	OU7HS	Z7P I	7SILT	IEDCA	TODJS	UAOBO	TO
			AL	EEEAE	ATOMM	LIAI	E 15	A1WOD	N HOE	NDTI	SLA T	OR91E	KFVKD	TS8OM	A2E L	8SCAV	DYEYU	LIOIO	BLRER	AW
			RT	RENOE	C283A	2N N	16 4	63NN3	2 ARL	TATN	TGN A	RD00	AR1 O	H 5VO	K8A L	5OTTI	IES L	ENGMN	A IRS	GK
			KN	GKU K	K654	6T A	2M 03	00 D2	5 IDL	X ED	YAL F	DS02	LG K	L OIN	I8K O	3MNSL	OS A	1THAO	AGE	AN
877	$88JUL29X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---
878	$88JUL30X	CDP Pacific	---*-	-*---	----*	**---	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
879	$88JUL31X	CDP Pacific	---*-	-*---	----*	**---	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
880	$88JUL31XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
881	$88AUG03X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	----*	---
882	$88AUG04X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	----*	---
883	$88AUG05X	Alaska	-----	-*---	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----*	---
884	$88AUG05XI	IRIS-A	-----	-----	--*--	----*	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
885	$88AUG06X	CDP Pacific	-----	-*---	----*	**---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
886	$88AUG10XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
887	$88AUG15XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
888	$88AUG20XI	IRIS-A	-----	-----	--*--	----*	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
889	$88AUG25DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	---
890	$88AUG25XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
891	$88AUG29XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
892	$88AUG30XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
893	$88AUG31X	CDP E- Atln-	----*	-----	-----	----*	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
894	$88SEP04XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
895	$88SEP08X	CDP Research	-----	-----	--*--	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
896	$88SEP09XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
897	$88SEP10XO	USNO Test	-----	-*---	-----	*-*--	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
898	$88SEP14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
899	$88SEP17X	CDP Pacific	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
900	$88SEP19XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
901	$88SEP20XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
902	$88SEP21XO	USNO Test	-----	-*---	-----	--*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
903	$88SEP24XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
904	$88SEP28XO	USNO Test	-----	-*---	-----	--*--	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
905	$88SEP29XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
906	$88OCT04XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
907	$88OCT06DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	-----	-----	-----	---
908	$88OCT06X	Local Survey	-----	-----	--*--	-----	*----	--*--	---*-	-----	-----	-----	-----	--*--	-----	-----	-----	-----	-----	---
909	$88OCT06XO	USNO Test	-----	-*---	-----	--*--	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
910	$88OCT08X	Local Survey	-----	-----	--*--	-----	*----	--*--	---*-	-----	-----	--*--	-----	-----	-----	-----	-----	-----	-----	---
911	$88OCT09XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
912	$88OCT12DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	-----	-----	-----	---
913	$88OCT13XP	IRIS-P	-----	-----	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
914	$88OCT14XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
915	$88OCT15X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	----*	-----	-----	-----	-----	----*	-----	-----	-----	---
916	$88OCT16X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS80M H 5VO L 0IN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
917	$88OCT18X	CDP Atlantic	----*	-----	--*--	-----	*----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
918	$88OCT19XI	IRIS-A	-----	-----	--*--	-----	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
919	$88OCT20X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*-*-	--*
920	$88OCT21X	Western US	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	--*
921	$88OCT24XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
922	$88OCT25X	Western US	-----	----*	--*--	-----	*----	-----	-----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	---*-	---
923	$88OCT26X	Western US	-----	----*	--*--	-----	*----	-----	-----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	---*-	---
924	$88OCT29X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
925	$88OCT29XI	IRIS-A	-----	-----	--*--	----*	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
926	$88OCT30X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	-----	---*-	---
927	$88OCT30XO	USNO Test	-----	-*---	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
928	$88OCT31X	California	-----	----*	--*--	-----	*----	-*---	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	-----	---*-	---
929	$88NOV01X	N- Am- Plate	-----	-----	--*--	-----	*--*-	-*---	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
930	$88NOV03XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
931	$88NOV04X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	-----	-----	-----	*----	-----	---*-	---
932	$88NOV04XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
933	$88NOV05X	California	-----	-----	-----	-----	*----	-*---	-----	-----	-----	-----	--*--	-----	-----	-----	*----	-----	---*-	---
934	$88NOV06X	CDP Research	--*--	-*---	*----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
935	$88NOV08X	California	-----	-*--*	-----	-----	*----	-*---	-----	-----	-----	-*---	-----	-----	-----	-----	-*---	-----	---*-	---
936	$88NOV08XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
937	$88NOV09X	California	-----	-*--*	-----	-----	*----	-*---	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---*-	---
938	$88NOV09XA	CDP E- Atln-	----*	-----	-----	----*	-----	*--*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
939	$88NOV10X	CDP Polar	-----	-*---	----*	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
940	$88NOV13XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
941	$88NOV18XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
942	$88NOV23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
943	$88NOV28XI	IRIS-A	-----	-----	--*--	----*	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
944	$88NOV29X	CDP Research	-----	-*---	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
945	$88DEC03XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
946	$88DEC08XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
947	$88DEC10X	CDP Pacific	---*-	-*---	----*	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
948	$88DEC13XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
949	$88DEC14X	CDP E- Atln-	----*	-----	-----	----*	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
950	$88DEC15XO	USNO Test	-----	-*---	-----	--*--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
951	$88DEC18XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
952	$88DEC19XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
953	$88DEC21XO	USNO Test	-----	-*---	-----	--*-*	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
954	$88DEC23XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
955	$88DEC28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
956	$89JAN02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
957	$89JAN05XO	USNO Navnet	-----	-*---	-----	--*--	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
958	$89JAN07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
959	$89JAN12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
960	$89JAN13X	CDP Pacific	---*-	-*---	----*	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
961	$89JAN14XO	USNO Navnet	-----	-*---	-----	*-*--	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
962	$89JAN17XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
963	$89JAN19X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	---
964	$89JAN20X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	---
965	$89JAN22XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
966	$89JAN23XP	IRIS-P	-----	-*---	--*-*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
967	$89JAN24X	California	-----	----*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	---
968	$89JAN25X	California	-----	----*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	---
969	$89JAN27XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
970	$89JAN28X	California	-----	----*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	---*-	---
971	$89JAN29X	California	-----	----*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	---*-	---
972	$89FEB01XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
973	$89FEB02X	California	-----	-*---	-----	-----	*----	-----	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---*-	---
974	$89FEB02XH	IRIS-S	-----	---*-	--*--	----*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
975	$89FEB03X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---*-	---
976	$89FEB06X	California	-----	----*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---*-	---
977	$89FEB06XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
978	$89FEB07X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---*-	---
979	$89FEB07XH	IRIS-S	-----	---*-	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
980	$89FEB11X	California	-----	----*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	---*-	---
981	$89FEB11XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
982	$89FEB12X	California	-----	----*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	---*-	---
983	$89FEB16XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
984	$89FEB17XH	IRIS-S	-----	---*-	--*--	----*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
985	$89FEB18X	CDP Pacific	---*-	-*---	----*	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
986	$89FEB19XO	USNO Navnet	-----	-*---	-----	*-*--	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
987	$89FEB20X	CDP E- Atln-	----*	-----	-----	----*	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
988	$89FEB21XI	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
989	$89FEB26XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
990	$89FEB27XP	IRIS-P	-----	-*---	--*-*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
991	$89MAR03XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
992	$89MAR04XH	IRIS-S	-----	---*-	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
993	$89MAR08XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
994	$89MAR13XI	IRIS-A	-----	-----	--*--	-----	-----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
995	$89MAR18XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
996	$89MAR23XI	IRIS-A	-----	-----	--*--	-----	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD	EGGHH	HHHKK	KKMMM	MNNNN	OOPRR	SSSWW	ABBBB	CCDEF	FFFGG	HHJKL	MMMMM	MMMNO	OPPPP	PPPQS	SSSTT	TVVVW	YYY
			LHSSS	FIOAA	AORAA	AWAAE	OOORR	NVIIO	EEHEE	UELLR	AAELL	OOTOR	AOPOE	AACEI	IOOOC	VBEIL	RTVUA	ENOIR	SEINH	AEU
			GLSSS	LLLRT	YBASS	UARTD	JBTAA	SRECB	SSAST	SRKOE	RRAYA	RRDRA	LHLDO	MRDTL	YJNMO	RLNNA	E EIN	ADUTO	URCDT	KLM
			OB146	SCDTC	SASHH	AJPEI	AEOOO	AOTHL	HTNTT	TMBOS	NRD G	TT FS	EE IN	MC SE	A ET	OTFT	SRRNP	TPRIM	KNTNH	ALA
			PO555	BRVRR	TR II	IAORC	VY 8	L OME	A GFZ	IUUMT	UOM S	077S	ANMAR	OU7HS	Z7P I	7SILT	IEDCA	TODJS	UAOBO	TO
			AL	EEEAE	ATOMM	LIAI	E 15	A1WOO	N HOE	NDTI	SLA T	OR91E	KFVKD	TS80M	A2E L	8SCAV	DYEYU	LIOIO	BLRER	AW
			RT	RENOE	C283A	2N N	16 4	63NN3	2 ARL	TATN	TGN A	RD00	AR1 O	H 5VO	K8A L	5OTTI	IES L	ENGMN	A IRS	GK
			KN	GKU K	K654	6T A	2M 03	00 D2	5 IDL	X ED	YAL F	DS02	LG K	L 0IN	I8K O	3MNSL	OS A	1THAO	AGE	AN
997	$89MAR26X	CDP Pacific	-----	-*---	----*	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
998	$89MAR27X	CDP Research	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
999	$89MAR28XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1000	$89MAR29XH	IRIS-S	-----	---*-	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1001	$89MAR31XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1002	$89APR02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1003	$89APR03XO	USNO Navnet	-----	-*---	-----	--*--	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1004	$89APR07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1005	$89APR12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1006	$89APR17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1007	$89APR18XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1008	$89APR20X	N- Am- Plate	-----	-*--*	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
1009	$89APR20XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1010	$89APR21X	N- Am- Plate	-----	-*--*	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
1011	$89APR22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1012	$89APR24X	CDP Pacific	-----	-*--*	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
1013	$89APR25X	Western US	-----	----*	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	---
1014	$89APR26X	Western US	-----	----*	--*--	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	---
1015	$89APR27XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1016	$89APR30X	Western US	-----	----*	--*--	-----	*----	-----	---*-	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	---
1017	$89MAY01X	Western US	-----	----*	--*--	-----	*----	-----	---*-	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	---
1018	$89MAY02XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1019	$89MAY05X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	---*-	---
1020	$89MAY06X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	---*-	---
1021	$89MAY07XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1022	$89MAY08XO	USNO Navnet	-----	-*---	-----	-----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1023	$89MAY10X	California	-----	----*	-----	-----	*----	-----	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---*-	---
1024	$89MAY11X	California	-----	----*	-----	-----	*----	-----	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---*-	---
1025	$89MAY12XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1026	$89MAY15X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	---
1027	$89MAY16X	California	-----	----*	--*--	-----	*----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---*-	---
1028	$89MAY17XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1029	$89MAY20X	CDP Pacific	-----	-*---	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
1030	$89MAY22XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1031	$89MAY23XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1032	$89MAY24X	CDP Research	-----	-*---	*----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1033	$89MAY27XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1034	$89MAY30X	Local Survey	-----	-----	--*--	--*--	----*	---*-	---*-	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	---
1035	$89MAY31X	Local Survey	-----	-----	-----	--*--	----*	---*-	---*-	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	---
1036	$89JUN01XI	IRIS-A	-----	-----	--*--	-----	-----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS80M H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
1037	$89JUN03X	CDP E- Atln-	----*	-----	-----	-----	--*--	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1038	$89JUN04XO	USNO Navnet	-----	-*---	-----	*-*--	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1039	$89JUN06XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1040	$89JUN10X	CDP Pacific	-----	-*---	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
1041	$89JUN11XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1042	$89JUN16XI	IRIS-A	-----	-----	--*--	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1043	$89JUN21X*	IRIS-A EUR	-----	-----	-----	-----	*-*--	---*-	---**	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---
1044	$89JUN22XP	IRIS-P	-----	-*---	--*-*	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1045	$89JUN23X*	Europe mobl	-----	-----	-----	-----	--*--	-----	----*	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---
1046	$89JUN24X*	Europe mobl	-----	-----	-----	-----	--*--	-----	----*	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---
1047	$89JUN25X*	Europe mobl	-----	-----	-----	-----	--*--	-----	----*	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---
1048	$89JUN26X*	IRIS-A EUR	-----	-----	-----	-----	*-*--	---*-	---**	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---
1049	$89JUN27XO	USNO Navnet	-----	-*---	-----	--*--	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1050	$89JUL01XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1051	$89JUL02XO	USNO Navnet	-----	-*---	-----	-----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1052	$89JUL05X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---
1053	$89JUL05X*	Europe mobl	-----	-----	-----	-----	-----	*----	----*	-----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	---
1054	$89JUL06X	Alaska	-----	-*---	*-*--	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---
1055	$89JUL06X*	IRIS-A EUR	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	---
1056	$89JUL07X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---
1057	$89JUL08X	CDP Pacific	-----	-*---	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
1058	$89JUL08X*	Europe mobl	-----	-----	-----	-----	-----	*----	----*	-----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	---
1059	$89JUL09X*	Europe mobl	-----	-----	-----	-----	-----	*----	----*	-----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	---
1060	$89JUL09XO	USNO Navnet	-----	-*---	-----	*----	*-*-*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1061	$89JUL11X*	IRIS-A EUR	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	---
1062	$89JUL13X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---
1063	$89JUL14X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---
1064	$89JUL15X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---
1065	$89JUL16XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1066	$89JUL18XO	USNO Navnet	-----	-*---	-----	--*--	--*-*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1067	$89JUL21XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1068	$89JUL23XO	USNO Navnet	-----	-*---	-----	--*--	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1069	$89JUL24X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
1070	$89JUL25X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
1071	$89JUL26X	Alaska	--*--	-*---	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
1072	$89JUL26XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1073	$89JUL27XP	IRIS-P	-----	-*---	----*	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1074	$89JUL29X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1075	$89JUL30X*	Europe mobl	-----	-----	-----	-----	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	---
1076	$89JUL31X*	IRIS-A EUR	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOO 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L 0IN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
1077	$89AUG01X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---
1078	$89AUG01X*	Europe mobl	-----	-----	-----	-----	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	---
1079	$89AUG02X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---
1080	$89AUG02X*	Europe mobl	-----	-----	-----	-----	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	---
1081	$89AUG03X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---
1082	$89AUG04XO	USNO Navnet	-----	-*---	-----	*----	*---*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1083	$89AUG05XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1084	$89AUG07XO	USNO Navnet	-----	-*---	-----	--*--	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1085	$89AUG08X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	----*	---
1086	$89AUG09X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	----*	---
1087	$89AUG10X	Alaska	-----	-*---	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----*	---
1088	$89AUG10XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1089	$89AUG15XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1090	$89AUG17XO	USNO Navnet	-----	-*---	-----	--*--	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1091	$89AUG18X*	Europe mobl	-----	-----	-----	-----	-----	-----	----*	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---
1092	$89AUG19X*	Europe mobl	-----	-----	-----	-----	-----	-----	----*	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---
1093	$89AUG20X*	IRIS-A EUR	-----	-----	-----	-----	*----	---*-	---**	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---
1094	$89AUG22X*	Europe mobl	-----	-----	-----	-----	-----	-----	----*	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---
1095	$89AUG24XO	USNO Navnet	-----	-*---	-----	--*--	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1096	$89AUG25XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1097	$89AUG29X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1098	$89AUG30X*	IRIS-A EUR	-----	-----	-----	-----	*-*--	---*-	---**	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1099	$89AUG31XO	USNO Navnet	-----	-*---	-----	-----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1100	$89SEP01X*	Europe mobl	-----	-----	-----	-----	--*--	-----	----*	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1101	$89SEP02X*	Europe mobl	-----	-----	-----	-----	--*--	-----	----*	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1102	$89SEP04X*	IRIS-A EUR	-----	-----	-----	-----	*-*--	*----	---**	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1103	$89SEP07XO	USNO Navnet	-----	-*---	-----	-----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1104	$89SEP09XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1105	$89SEP10XO	USNO Navnet	-----	-*---	-----	*----	--*-*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1106	$89SEP12X*	Europe mobl	-----	-----	-----	-----	--*--	-----	----*	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	---
1107	$89SEP13X*	Europe mobl	-----	-----	-----	-----	--*--	-----	----*	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	---
1108	$89SEP14X*	IRIS-A EUR	-----	-----	-----	-----	*----	---*-	---**	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	---
1109	$89SEP16X	CDP Pacific	-----	-*---	----*	*----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
1110	$89SEP16X*	Europe mobl	-----	-----	-----	-----	-----	-----	----*	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	---
1111	$89SEP17XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1112	$89SEP19XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1113	$89SEP20XP	IRIS-P	-----	-*---	----*	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1114	$89SEP24XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1115	$89SEP26X	CDP Pacific	-----	-*---	-*--*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1116	$89SEP27XO	USNO Navnet	-----	-*---	-----	-----	*---*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOO 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L 0IN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
1117	$89SEP29DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	---
1118	$89SEP29XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1119	$89OCT04XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1120	$89OCT05XO	USNO Navnet	-----	-*---	-----	-----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1121	$89OCT08X	CDP Research	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1122	$89OCT09XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1123	$89OCT10XP	IRIS-P	-----	-*---	----*	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1124	$89OCT11X	Local Survey	-----	-----	-----	-----	*----	---*-	---*-	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	---
1125	$89OCT11XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1126	$89OCT12X	Local Survey	-----	-----	-----	-----	*----	---*-	---*-	-----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	---
1127	$89OCT14XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1128	$89OCT15X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1129	$89OCT16X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1130	$89OCT16XO	USNO Navnet	-----	-----	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1131	$89OCT17X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1132	$89OCT18X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1133	$89OCT19XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1134	$89OCT20X	California	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	*----	-----	---*-	---
1135	$89OCT22X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1136	$89OCT23X	California	-----	-*--*	*----	-----	*----	-----	---*-	-----	-----	-*---	-----	-----	-----	-----	*----	-----	---*-	---
1137	$89OCT23XA	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1138	$89OCT23XO	USNO Navnet	-----	-----	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1139	$89OCT24XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1140	$89OCT25X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1141	$89OCT26X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1142	$89OCT27X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1143	$89OCT28X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1144	$89OCT29XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1145	$89OCT30X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1146	$89OCT30XO	USNO Navnet	-----	-----	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1147	$89OCT31X	CDP Research	-----	-*---	*----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1148	$89NOV01X	California	-----	-*--*	-----	-----	*----	-----	---*-	-----	-----	-*---	-----	-----	-----	-----	---*-	-----	---*-	---
1149	$89NOV02X	California	-----	-*--*	-----	-----	*----	-----	---*-	-----	-----	-*---	-----	-----	-----	-----	---*-	-----	---*-	---
1150	$89NOV03XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1151	$89NOV05X	CDP Pacific	-----	-*--*	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
1152	$89NOV06X	California	-----	-*--*	-----	-----	*----	-----	---*-	-----	-----	-*---	-----	-----	-----	-----	-*---	-----	---*-	---
1153	$89NOV07X	California	-----	-*--*	-----	-----	*----	-----	---*-	-----	-----	-*---	-----	-----	-----	-----	-*---	-----	---*-	---
1154	$89NOV08XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1155	$89NOV09XO	USNO Navnet	-----	-*---	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1156	$89NOV11X	California	-----	-*--*	-----	-----	*----	-----	---*-	-----	-----	-*---	-----	-----	-----	-----	-*---	-----	---*-	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD	EGGHH	HHHKK	KKMMM	MNNNN	OOPRR	SSSWW	ABBBB	CCDEF	FFFGG	HHJKL	MMMMM	MMMNO	OPPPP	PPPQS	SSSTT	TVVVW	YYY
			LHSSS	FIOAA	AORAA	AWAAE	OOORR	NVIIO	EEHEE	UELLR	AAELL	OOTOR	AOPOE	AACEI	IOOOC	VBEIL	RTVUA	ENOIR	SEINH	AEU
			GLSSS	LLLRT	YBASS	UARTD	JBTAA	SRECB	SSAST	SRKOE	RRAYA	RRDRA	LHLDO	MRDTL	YJNMO	RLNNA	E EIN	ADUTO	URCDT	KLM
			OB146	SCDTC	SASHH	AJPEI	AEOOO	AOTHL	HTNTT	TMBOS	NRD G	TT FS	EE IN	MC SE	A ET	OTFT	SRRNP	TPRIM	KNTNH	ALA
			PO555	BRVRR	TR II	IAORC	VY 8	L OME	A GFZ	IUUMT	UOM S	077S	ANMAR	OU7HS	Z7P I	7SILT	IEDCA	TODJS	UAOBO	TO
			AL	EEEAE	ATOMM	LIAI	E 15	A1WOD	N HOE	NDTI	SLA T	OR91E	KFVKD	TS8OM	A2E L	8SCAV	DYEYU	LIOIO	BLRER	AW
			RT	RENOE	C283A	2N N	16 4	63NN3	2 ARL	TATN	TGN A	RD00	AR1 O	H 5VO	K8A L	5OTTI	IES L	ENGMN	A IRS	GK
			KN	GKU K	K654	6T A	2M 03	00 D2	5 IDL	X ED	YAL F	DS02	LG K	L OIN	18K O	3MNSL	OS A	1THAO	AGE	AN
1157	$89NOV12X	California	-----	-*--*	-----	-----	*----	-----	---*-	-----	-----	-*---	-----	-----	-----	-----	-*---	-----	---*-	---
1158	$89NOV13XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1159	$89NOV16X	California	-----	-*--*	-----	-----	*----	-----	---*-	-----	-----	-*---	-----	-----	-----	-----	*----	-----	---*-	---
1160	$89NOV17X	California	-----	-*--*	-----	-----	*----	-----	---*-	-----	-----	-*---	-----	-----	-----	-----	*----	-----	---*-	---
1161	$89NOV18XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1162	$89NOV19XP	IRIS-P	-----	-*---	----*	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1163	$89NOV21XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1164	$89NOV23XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1165	$89NOV25X	CDP Pacific	---*-	-*---	-*--*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1166	$89NOV26XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1167	$89NOV28DX	GSI Japan	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	---
1168	$89NOV28XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1169	$89DEC03XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1170	$89DEC04XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1171	$89DEC12X	CDP Polar	-----	-*---	----*	-----	*----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1172	$89DEC13XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1173	$89DEC13XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1174	$89DEC17XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1175	$89DEC18X	CDP Pacific	---*-	-*---	-*--*	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1176	$89DEC18XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1177	$89DEC19XP	IRIS-P	-----	-*---	-*--*	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1178	$89DEC21XH	IRIS-S	-----	---*-	-----	-----	*----	---*-	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1179	$89DEC23XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1180	$89DEC27XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1181	$89DEC28XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1182	$90JAN02XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1183	$90JAN03XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1184	$90JAN07XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1185	$90JAN09X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1186	$90JAN10XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1187	$90JAN12XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1188	$90JAN15X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---*-	---
1189	$90JAN16X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---*-	---
1190	$90JAN17XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1191	$90JAN17XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1192	$90JAN18X	CDP Pacific	-----	-*--*	----*	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	---
1193	$90JAN20X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	---*-	---
1194	$90JAN21X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	---*-	---
1195	$90JAN22XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1196	$90JAN23XP	IRIS-P	-----	-*---	----*	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
1197	$90JAN24XO	USNO Navnet	-----	-----	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1198	$90JAN25X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---*-	---
1199	$90JAN26X	CDP Europe	----*	-----	-----	----*	--*--	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1200	$90JAN26XA	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-*---	-----	-----	-----	-----	-----	-----	---*-	---
1201	$90JAN27XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1202	$90JAN29XH	IRIS-S	-----	---*-	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1203	$90JAN30X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	---*-	---
1204	$90JAN31X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----*	-----	---*-	---
1205	$90JAN31XO	USNO Navnet	-----	-----	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1206	$90FEB01XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1207	$90FEB04X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	---
1208	$90FEB05X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	-----	---*-	---
1209	$90FEB06XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1210	$90FEB06XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1211	$90FEB07XH	IRIS-S	-----	---*-	-----	-----	-----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1212	$90FEB09X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	---
1213	$90FEB10X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---*-	---
1214	$90FEB11XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1215	$90FEB12XP	IRIS-P	-----	-*---	-*--*	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1216	$90FEB13XP	IRIS-P	-----	-*---	----*	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1217	$90FEB14XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1218	$90FEB15X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1219	$90FEB16XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1220	$90FEB17XP	IRIS-P	-----	-*---	----*	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1221	$90FEB18XP	IRIS-P	-----	-*---	----*	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1222	$90FEB19XP	IRIS-P	-----	-*---	----*	-----	*----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1223	$90FEB20XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1224	$90FEB21XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1225	$90FEB26XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1226	$90FEB28XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1227	$90MAR03XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1228	$90MAR07XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1229	$90MAR08XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1230	$90MAR13XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1231	$90MAR14XO	USNO Navnet	-----	-*---	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1232	$90MAR18XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1233	$90MAR21XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1234	$90MAR22X	CDP Pacific	---*-	-*---	-*-**	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1235	$90MAR23XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1236	$90MAR27XP	IRIS-P	-----	-*---	-*-**	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD	EGGHH	HHHKK	KKMMM	MNNNN	OOPRR	SSSWW	ABBBB	CCDEF	FFFGG	HHJKL	MMMMM	MMMNO	OPPPP	PPPQS	SSSTT	TVVVW	YYY
			LHSSS	FIOAA	AORAA	AWAAE	OOORR	NVIIO	EEHEE	UELLR	AAELL	OOTOR	AOPOE	AACEI	IOOOC	VBEIL	RTVUA	ENOIR	SEINH	AEU
			GLSSS	LLLRT	YBASS	UARTD	JBTAA	SRECB	SSAST	SRKOE	RRAYA	RRDRA	LHLDO	MRDTL	YJNMO	RLNNA	E EIN	ADUTO	URCDT	KLM
			OB146	SCDTC	SASHH	AJPEI	AEOOO	AOTHL	HTNTT	TMBOS	NRD G	TT FS	EE IN	MC SE	A ET	OTFT	SRRNP	TPRIM	KNTNH	ALA
			PO555	BRVRR	TR II	IAORC	VY 8	L OME	A GFZ	IUUMT	UOM S	077S	ANMAR	OU7HS	Z7P I	7SILT	IEDCA	TODJS	UAOBO	TO
			AL	EEEAE	ATOMM	LIAI	E 15	A1WOD	N HOE	NDTI	SLA T	OR91E	KFVKD	TS8OM	A2E L	8SCAV	DYEYU	LIOIO	BLRER	AW
			RT	RENOE	C283A	2N N	16 4	63NN3	2 ARL	TATN	TGN A	RD00	AR1 O	H 5VO	K8A L	5OTTI	IES L	ENGMN	A IRS	GK
			KN	GKU K	K654	6T A	2M 03	00 D2	5 IDL	X ED	YAL F	DS02	LG K	L OIN	I8K O	3MNSL	OS A	1THAO	AGE	AN
1237	$90MAR28XI	IRIS-A	-----	-----	-----	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1238	$90MAR28XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1239	$90MAR29X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1240	$90APR02XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1241	$90APR03X	GERMAN	-----	---*-	----*	-----	-----	-----	*---*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1242	$90APR04XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1243	$90APR07XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1244	$90APR11XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1245	$90APR12XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1246	$90APR13XP	IRIS-P	-----	-*---	-*--*	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1247	$90APR16XO	USNO Nav Ex	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1248	$90APR17XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1249	$90APR18X	CDP Global	-----	-----	-----	-----	*----	*----	-*-*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1250	$90APR18XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1251	$90APR19X	CDP Pacific	-----	-*---	---**	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1252	$90APR22XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1253	$90APR23XH	IRIS-S	-----	---*-	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1254	$90APR25XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1255	$90APR26X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1256	$90APR27XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1257	$90MAY01XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1258	$90MAY02XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1259	$90MAY06XP	IRIS-P	-----	-*---	-*---	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1260	$90MAY07XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1261	$90MAY08XO	USNO Navnet	-----	-*---	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1262	$90MAY08XX	GERMAN	-----	---*-	----*	----*	-----	-----	*---*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1263	$90MAY12XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1264	$90MAY14X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1265	$90MAY15XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1266	$90MAY17XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1267	$90MAY21XH	IRIS-S	-----	---*-	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1268	$90MAY22XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1269	$90MAY22XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1270	$90MAY23X	CDP Global	-----	-*-*-	-*-*-	*----	-----	*----	-*-*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1271	$90MAY24XA	CDP Global	-----	-*-*-	-*-*-	*----	-----	*----	-*-*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1272	$90MAY27XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1273	$90MAY30XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1274	$90JUN01XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1275	$90JUN04XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1276	$90JUN06XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS80M H 5VO L 0IN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
1277	$90JUN08X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1278	$90JUN09X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
1279	$90JUN10X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
1280	$90JUN11XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	*--
1281	$90JUN12XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1282	$90JUN16XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1283	$90JUN18X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1284	$90JUN19X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	---*-	-----	-----	-----	-----	---
1285	$90JUN20X	Alaska	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	---*-	-----	-----	-----	-----	---
1286	$90JUN21XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	---*-	-----	-----	-----	-----	---
1287	$90JUN22XP	IRIS-P	-----	-*---	-*-*-	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1288	$90JUN25X	CDP Pacific	-----	-*---	---**	-----	-----	-----	*----	-----	-----	-----	-----	-*---	-----	-----	-----	-----	-----	---
1289	$90JUN25XH	IRIS-S	-----	---*-	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1290	$90JUN26XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1291	$90JUN26XO	USNO Navnet	*----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1292	$90JUN28X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1293	$90JUN28XA	CDP Pacific	---*-	-----	-*--*	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1294	$90JUN29X	Alaska	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---
1295	$90JUN30X	Alaska	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---
1296	$90JUN30XA	CRL Japan	-----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1297	$90JUL01XI	IRIS-A	*----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1298	$90JUL02X	Alaska	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1299	$90JUL05XO	USNO Navnet	*----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	---*-	-----	-----	-----	-----	-----	-----	---
1300	$90JUL06XI	IRIS-A	*----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1301	$90JUL09X	Alaska	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1302	$90JUL09XO	USNO Navnet	-----	-----	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---
1303	$90JUL10X	Alaska	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1304	$90JUL11XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---
1305	$90JUL12X	Alaska	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1306	$90JUL16XI	IRIS-A	*----	-----	-----	-----	*----	---*-	----*	-----	-----	-----	-----	-----	-----	-----	-----	-*---	-----	---
1307	$90JUL17XO	USNO Navnet	*----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1308	$90JUL19XH	IRIS-S	-----	---*-	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1309	$90JUL20XP	IRIS-P	-----	-*---	-*-*-	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1310	$90JUL21XI	IRIS-A	*----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1311	$90JUL23X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1312	$90JUL24X	N- Am- Plate	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1313	$90JUL24XO	USNO Navnet	-----	-----	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---
1314	$90JUL25X	N- Am- Plate	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1315	$90JUL26XI	IRIS-A	*----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---
1316	$90JUL27X	N- Am- Plate	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	--*--	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS80M H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L 18K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
1317	$90JUL30X	N- Am- Plate	*----	-*---	-----	-----	*----	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1318	$90JUL31XI	IRIS-A	-----	-----	-----	-----	*----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1319	$90JUL31XO	USNO Navnet	*----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1320	$90AUG01X	W- Canada	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---
1321	$90AUG02X	W- Canada	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---
1322	$90AUG03X	W- Canada	*----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	--*--	---
1323	$90AUG05XI	IRIS-A	-----	-----	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1324	$90AUG07XO	USNO Navnet	-----	-*---	-----	*----	*---*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1325	$90AUG08X*	NGS NCMN	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	---
1326	$90AUG09X*	NGS NCMN	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	*----	-----	---
1327	$90AUG10XI	IRIS-A	-----	-----	--*--	-----	*----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1328	$90AUG11XP	IRIS-P	-----	-*---	---*-	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1329	$90AUG13XH	IRIS-S	-----	---*-	-----	-----	*----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1330	$90AUG14XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1331	$90AUG15XI	IRIS-A	-----	-----	-----	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1332	$90AUG16X	CDP Research	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1333	$90AUG20X	CDP Polar	-----	-**--	*--*-	----*	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1334	$90AUG20XI	IRIS-A	-----	-----	-----	-----	*----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1335	$90AUG22XO	USNO Navnet	-----	-*---	-----	*----	*---*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1336	$90AUG25XI	IRIS-A	-----	-----	-----	-----	*----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1337	$90AUG28XO	USNO Navnet	-----	-*---	-----	*----	*---*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1338	$90AUG30XI	IRIS-A	-----	-----	--*--	-----	*----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1339	$90SEP04XI	IRIS-A	-----	-----	-----	-----	*----	*----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1340	$90SEP04XO	USNO Navnet	-----	-*---	-----	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1341	$90SEP05X	CDP Europe	----*	-----	-----	---**	--*--	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1342	$90SEP06X	N- Am- Plate	-----	-*---	-----	-----	*--*-	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1343	$90SEP08XP	IRIS-P	-----	-*---	-*---	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1344	$90SEP09XI	IRIS-A	-----	-----	--*--	-----	*----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1345	$90SEP10X	CDP Research	-----	-*---	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1346	$90SEP10XA	CDP PMS	-----	-----	-*-*-	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1347	$90SEP11XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1348	$90SEP14XI	IRIS-A	-----	-----	--*--	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1349	$90SEP19XI	IRIS-A	-----	-----	--*--	-----	*----	-----	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1350	$90SEP20XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1351	$90SEP24XI	IRIS-A	-----	-----	--*--	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1352	$90SEP25XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1353	$90SEP27XH	IRIS-S	-----	---*-	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1354	$90SEP29XI	IRIS-A	-----	-----	--*--	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1355	$90OCT02XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1356	$90OCT04XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
1357	$90OCT04XO	USNO Nav Ex	-----	-*---	-----	*--*-	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1358	$90OCT05XP	IRIS-P	-----	-*---	-*-*-	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1359	$90OCT07X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1360	$90OCT08X	California	-----	-*--*	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---
1361	$90OCT09XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	---*-	-----	-----	---
1362	$90OCT10X	CDP Pacific	-----	-*--*	---*-	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1363	$90OCT11XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1364	$90OCT14XI	IRIS-A	-----	-----	--*--	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1365	$90OCT15X	Western US	-----	-----	-----	-----	*----	-----	---*-	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	---
1366	$90OCT16X	Western US	-----	-----	-----	-----	*----	-----	---*-	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	---
1367	$90OCT16XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1368	$90OCT18XH	IRIS-S	-----	---*-	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1369	$90OCT19XI	IRIS-A	-----	-----	--*--	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1370	$90OCT21X	Western US	-----	----*	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1371	$90OCT22X	Western US	-----	----*	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	---
1372	$90OCT22XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-*---	---
1373	$90OCT24XI	IRIS-A	-----	-----	--*--	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1374	$90OCT25X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1375	$90OCT27X	N- Am- Plate	-----	-*--*	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
1376	$90OCT28X	N- Am- Plate	-----	-*--*	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	----*	-----	-----	-----	---
1377	$90OCT29XI	IRIS-A	-----	-----	--*--	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1378	$90OCT31XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1379	$90NOV03XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1380	$90NOV05X	Western US	-----	----*	-----	-----	*----	-----	---*-	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	---
1381	$90NOV06X	Western US	-----	----*	-----	-----	*----	-----	---*-	-----	----*	-----	-----	-----	-----	-----	-----	-----	-----	---
1382	$90NOV06XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1383	$90NOV08XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1384	$90NOV08XO	USNO Nav Ex	-----	-*---	-----	*--*-	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1385	$90NOV10X	California	-----	----*	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1386	$90NOV11X	California	-----	----*	-----	-----	*----	-----	---*-	-----	-----	-----	-----	-----	--*--	-----	-----	-----	-----	---
1387	$90NOV13XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	--*--	-----	-----	-----	-----	---
1388	$90NOV14XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1389	$90NOV17XP	IRIS-P	-----	-*---	-*-*-	-----	**---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1390	$90NOV18XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1391	$90NOV20XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1392	$90NOV23XI	IRIS-A	-----	-----	-----	-----	*----	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1393	$90NOV26XH	IRIS-S	-----	---*-	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1394	$90NOV28XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1395	$90NOV28XO	USNO Navnet	-----	-*---	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1396	$90NOV29X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Table 2.1 (continued)

	Experiment name	Experiment type	ACDDD LHSSS GLSSS OB146 PO555 AL RT KN	EGGHH FIOAA LLLRT SCDTC BRVRR EEEAE RENOE GKU K	HHHKK AORAA YBASS SASHH TR II ATOMM C283A K654	KKMMM AWAAE UARTD AJPEI IAORC LIAI 2N N 6T A	MNNNN OOORR JBTAA AEOOO VY 8 E 15 16 4 2M 03	OOPRR NVIIO SRECB AOTHL L OME A1WOD 63NN3 00 D2	SSSWW EEHEE SSAST HTNTT A GFZ N HOE 2 ARL 5 IDL	ABBBB UELLR SRKOE TMBOS IUUMT NDTI TATN X ED	CCDEF AAELL RRAYA NRD G UOM S SLA T TGN A YAL F	FFFGG OOTOR RRDRA TT FS 077S OR91E RD00 DS02	HHJKL AOPOE LHLDO EE IN ANMAR KFVKD AR1 O LG K	MMMMM AACEI MRDTL MC SE OU7HS TS8OM H 5VO L OIN	MMMNO IOOOC YJNMO A ET Z7P I A2E L K8A L I8K O	OPPPP VBEIL RLNNA OTFT 7SILT 8SCAV 5OTTI 3MNSL	PPPQS RTVUA E EIN SRRNP IEDCA DYEYU IES L OS A	SSSTT ENOIR ADUTO TPRIM TODJS LIOIO ENGMN 1THAO	TVVVW SEINH URCDT KNTNH UAOBO BLRER A IRS AGE	YYY AEU KLM ALA TO AW GK AN
1397	$90DEC03XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1398	$90DEC03XO	USNO Nav Ex	-----	-*---	-----	*--*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1399	$90DEC05XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1400	$90DEC08XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1401	$90DEC10XH	IRIS-S	-----	---*-	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1402	$90DEC11XO	USNO Navnet	-----	-*---	-----	*----	----*	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1403	$90DEC13XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1404	$90DEC14X	CDP Research	-----	-*---	-----	-----	*----	--*--	---*-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1405	$90DEC17XP	IRIS-P	-----	-*---	-*-*-	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1406	$90DEC18XI	IRIS-A	-----	-----	-----	-----	*-*--	*--*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1407	$90DEC18XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1408	$90DEC20X	CDP Europe	----*	-----	-----	---**	--*--	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1409	$90DEC23XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1410	$90DEC26X	CDP Pacific	---*-	-*---	-----	*----	-----	-----	*----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1411	$90DEC27XO	USNO Navnet	-----	-*---	-----	*----	----*	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
1412	$90DEC28XI	IRIS-A	-----	-----	-----	-----	*----	---*-	---**	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

3.0 Source Coordinates from Solution GLB753

Table 3.1 gives the estimated positions of the observed extragalactic radio sources. One-sigma standard statistical errors are given in units of seconds of time for right ascension and arcseconds for declination. The right ascension of 3C273B was fixed at the indicated value in order to establish the right ascension origin in the celestial reference frame.

Table 3.1
VLBI Source Positions from GLB753

Source name	Hr	Min	Seconds	Unc	Deg	Min	Seconds	Unc
		Right Ascension				Declination		
0016+731	00	19	45.7860470	.0000938	73	27	30.01550	.00012
0048-097	00	50	41.3173720	.0000047	-09	29	5.21113	.00014
0104-408	01	06	45.1078680	.0000952	-40	34	19.95622	.00292
0106+013	01	08	38.7710440	.0000020	01	35	.31593	.00012
0119+041	01	21	56.8616540	.0000020	04	22	24.73346	.00012
0133+476	01	36	58.5946340	.0000177	47	51	29.09874	.00013
0201+113	02	03	46.6569890	.0000177	11	34	45.40881	.00032
0202+149	02	04	50.4138320	.0000048	15	14	11.04237	.00014
0202+319	02	05	4.9282010	.0044366	32	12	30.10005	.00781
0212+735	02	17	30.8127740	.0000892	73	49	32.62075	.00011
4C67.05	02	28	50.0510790	.0000599	67	21	3.02833	.00017
0229+131	02	31	45.8939890	.0000027	13	22	54.71574	.00012
0234+285	02	37	52.4055540	.0000053	28	48	8.98939	.00012
0235+164	02	38	38.9300190	.0000049	16	36	59.27409	.00014
0256+075	02	59	27.0765850	.0000270	07	47	39.64372	.00081
0300+470	03	03	35.2420160	.0000128	47	16	16.27493	.00012
3C84	03	19	48.1599100	.0000124	41	30	42.10213	.00014
NRAO140	03	36	30.1075260	.0000268	32	18	29.34190	.00032
CTA26	03	39	30.9377590	.0000100	-01	46	35.80366	.00030
NRAO150	03	59	29.7470140	.0000156	50	57	50.16176	.00012
0402-362	04	03	53.7500000	.0000248	-36	05	1.91183	.00124
0420-014	04	23	15.8006860	.0000020	-01	20	33.06428	.00012
0422+004	04	24	46.8426460	.0007520	00	36	6.32984	.00759
3C120	04	33	11.0954650	.0000235	05	21	15.62035	.00061
0434-188	04	37	1.4827080	.0000169	-18	44	48.61096	.00067
0454-234	04	57	3.1792440	.0000044	-23	24	52.01824	.00013
0458-020	05	01	12.8098630	.0000087	-01	59	14.25445	.00027
0454+844	05	08	42.3638700	.0000000	84	32	4.54061	.00000
0528+134	05	30	56.4166790	.0000027	13	31	55.15103	.00012
0552+398	05	55	30.8054470	.0000086	39	48	49.16648	.00011
0657+172	07	00	1.5254680	.0000063	17	09	21.70374	.00017
0716+714	07	21	53.4480930	.0000986	71	20	36.36541	.00016
0723-008	07	25	50.6406110	.0006797	00	-54	56.53270	.01064
0727-115	07	30	19.1124490	.0000027	-11	41	12.59739	.00012
0733-174	07	35	45.7795880	.0263063	-17	35	50.84885	1.21228
0742+103	07	45	33.0594520	.0000027	10	11	12.69523	.00012
0743-006	07	45	54.0825970	.0005419	00	-44	17.53368	.00833
0745+241	07	48	36.1092050	.0000088	24	00	24.11260	.00016
0748+126	07	50	52.0459570	.0003256	12	31	4.83582	.00465
0754+100	07	57	6.6430390	.0002669	09	56	34.85605	.00360
0814+425	08	18	15.9995270	.0000126	42	22	45.41759	.00013
0823+033	08	25	50.3383090	.0000040	03	09	24.52338	.00014
OJ287	08	54	48.8748710	.0000028	20	06	30.64378	.00011
0859+470	09	03	3.9900180	.0000212	46	51	4.14018	.00021
0919-260	09	21	29.3538200	.0000104	-26	18	43.38255	.00029
4C39.25	09	27	3.0138320	.0000077	39	02	20.85479	.00011

Table 3.1 (continued)

Source name	Hr	Min	Right Ascension Seconds	Unc	Deg	Min	Declination Seconds	Unc
0954+658	09	58	47.2450670	.0000427	65	33	54.82116	.00012
1034-293	10	37	16.0796770	.0000069	-29	34	2.80963	.00014
1055+018	10	58	29.6051800	.0000020	01	33	58.82685	.00013
1123+264	11	25	53.7119000	.0000119	26	10	19.98160	.00023
1124-186	11	27	4.3923720	.0000155	-18	57	17.43750	.00077
1127-145	11	30	7.0554480	.0032502	-14	49	27.36602	.03196
1144+402	11	46	58.2979480	.0000095	39	58	34.30718	.00012
1156+295	11	59	31.8339220	.0000054	29	14	43.82950	.00012
1222+037	12	24	52.4218570	.0000188	03	30	50.29584	.00059
3C273B	12	29	6.6997010	.0000000	02	03	8.60125	.00012
3C279	12	56	11.1664530	.0000034	-05	47	21.52163	.00015
1308+326	13	10	28.6639180	.0000063	32	20	43.78495	.00012
1313-333	13	16	7.9858420	.0000646	-33	38	59.16778	.00231
1334-127	13	37	39.7827080	.0000034	-12	57	24.69056	.00013
1354+195	13	57	4.4366850	.0000057	19	19	7.37384	.00014
1354-152	13	57	11.2448830	.0000125	-15	27	28.78307	.00061
OQ208	14	07	.3944620	.0000045	28	27	14.69149	.00012
1418+546	14	19	46.5975990	.0000205	54	23	14.78841	.00013
1502+106	15	04	24.9797900	.0000020	10	29	39.19982	.00012
1510-089	15	12	50.5328630	.0000041	-09	05	59.82784	.00018
1519-273	15	22	37.6758740	.0000180	-27	30	10.78287	.00104
1548+056	15	50	35.2692350	.0000020	05	27	10.44902	.00013
1611+343	16	13	41.0643470	.0000065	34	12	47.90914	.00012
1622-253	16	25	46.8915280	.0000052	-25	27	38.32603	.00014
1624+416	16	25	57.6693470	.0009981	41	34	40.62956	.00176
1633+38	16	35	15.4930690	.0000076	38	08	4.50048	.00012
1637+574	16	38	13.4565470	.0000221	57	20	23.97880	.00012
NRAO512	16	40	29.6327590	.0005406	39	46	46.02763	.00100
1642+690	16	42	7.8489330	.0000625	68	56	39.75601	.00013
3C345	16	42	58.8100690	.0000077	39	48	36.99373	.00011
DA426	16	53	52.2178220	.0013308	39	45	36.60496	.00355
1656+053	16	58	33.4473230	.0000242	05	15	16.44383	.00043
NRAO530	17	33	2.7057120	.0000027	-13	04	49.54826	.00013
1739+522	17	40	36.9780300	.0000163	52	11	43.40661	.00011
1741-038	17	43	58.8561000	.0000020	-03	50	4.61702	.00012
1749+701	17	48	32.8404170	.0004479	70	05	50.76882	.00078
1749+096	17	51	32.8185750	.0000027	09	39	.72790	.00012
1803+784	18	00	45.6846220	.0001770	78	28	4.01724	.00011
3C371	18	06	50.6810570	.0013571	69	49	28.10707	.00165
1823+568	18	24	7.0685560	.0000311	56	51	1.48966	.00016
1921-293	19	24	51.0558570	.0000054	-29	14	30.12171	.00013
2007+777	20	05	30.9974910	.0063904	77	52	43.24467	.00226
3C418	20	38	37.0348200	.0000170	51	19	12.66038	.00012
2121+053	21	23	44.5173560	.0000020	05	35	22.09120	.00012
2134+00	21	36	38.5862930	.0000020	00	41	54.21164	.00013
2144+092	21	47	10.1627900	.0002838	09	29	46.66675	.00325
2145+067	21	48	5.4586460	.0000027	06	57	38.60211	.00012
VR422201	22	02	43.2913540	.0000099	42	16	39.97757	.00011
2201+315	22	03	14.9757990	.0000273	31	45	38.26839	.00060

Table 3.1 (continued)

Source name	Right Ascension Hr	Min	Seconds	Unc	Declination Deg	Min	Seconds	Unc
2216–038	22	18	52.0377030	.0000020	–03	35	36.88139	.00012
CTA102	22	32	36.4088700	.0000055	11	43	50.90210	.00015
2234+282	22	36	22.4708340	.0000053	28	28	57.41105	.00011
2243–123	22	46	18.2319800	.0000267	–12	06	51.27886	.00141
3C454.3	22	53	57.7478990	.0000035	16	08	53.55869	.00011
2253+417	22	55	36.7077860	.0000288	42	02	52.53038	.00037
2255–282	22	58	5.9628740	.0000060	–27	58	21.25784	.00014
2345–167	23	48	2.6085170	.0000063	–16	31	12.02318	.00015
2355–106	23	58	10.8823900	.0000088	–10	20	8.61209	.00040

4.0 Site Positions and Velocities from Solution GLB753

Table 4.1 gives geocentric Cartesian positions in mm, velocities in mm/yr, one-sigma errors, and their correlations (in lower triangular form) for each site in the VLBI reference frame at the site reference epoch 1988 Jan 1. For selected sites velocity constraints were applied; this caused the corresponding velocity errors for these sites to be zero.

Similar information for HRAS 085 is given in Table 4.2 for its estimated positions during each of 19 intervals between 1979 and 1991. These positions are extrapolated to the site reference epoch, January 1, 1988 using the NUVEL plate motion model. As no velocities were estimated for HRAS 085, all of its velocity adjustments, their errors, and corresponding correlations are zero and were omitted from the table for brevity.

Table 4.3 gives total site velocities and one-sigma errors in local East, North, and Up coordinates as well as the corresponding horizontal rates and azimuths for each site from GLB753. These velocities, rates, and azimuths are also given as corrections relative to NUVEL. The length, azimuth, and elevation for each axis of the velocity error ellipsoid are given. As in Table 4.1 the sigmas and error ellipsoid parameters for selected sites where velocity constraints were applied are zero.

Table 4.4 is the correlation matrix of all Cartesian site positions and velocities for GLB753. This table consists of two parts. The upper part shows a number which is associated with each component or velocity, the name of the component or velocity, and its sigma. The lower part of the table is the actual correlation matrix in lower triangular form. The rows of the matrix wrap around every 20th element. Table 4.4 is only available in machine-readable form.

Table 4.1 Geocentric Cartesian Site Coordinates and Velocities

ALGOPARK Coordinate Reference Epoch = 88/ 1/ 1

7282		Value	Error	Correlation Matrix:					
X	(mm)	918034964.1	.8	1.000					
Y	(mm)	-4346132262.9	2.9	-.241	1.000				
Z	(mm)	4561971078.7	2.8	.225	-.905	1.000			
X vel	(mm/yr)	-17.3	.3	-.588	.077	-.037	1.000		
Y vel	(mm/yr)	-2.0	1.1	.073	-.738	.650	-.241	1.000	
Z vel	(mm/yr)	1.9	1.1	-.037	.653	-.700	.215	-.909	1.000
				X	Y	Z	X vel	Y vel	Z vel

AUSTINTX Coordinate Reference Epoch = 88/ 1/ 1

7271		Value	Error	Correlation Matrix:					
X	(mm)	-737793677.3	3.6	1.000					
Y	(mm)	-5459892294.3	15.9	.687	1.000				
Z	(mm)	3202990438.7	9.4	-.619	-.896	1.000			
X vel	(mm/yr)	-12.9	.0	.000	.000	.000	1.000		
Y vel	(mm/yr)	-.7	.0	.000	.000	.000	.000	1.000	
Z vel	(mm/yr)	-4.2	.0	.000	.000	.000	.000	.000	1.000
				X	Y	Z	X vel	Y vel	Z vel

BERMUDA Coordinate Reference Epoch = 88/ 1/ 1

7294		Value	Error	Correlation Matrix:					
X	(mm)	2307209614.9	4.7	1.000					
Y	(mm)	-4874215845.9	10.6	-.868	1.000				
Z	(mm)	3394317808.2	6.9	.785	-.886	1.000			
X vel	(mm/yr)	-13.6	.0	.000	.000	.000	1.000		
Y vel	(mm/yr)	-1.3	.0	.000	.000	.000	.000	1.000	
Z vel	(mm/yr)	7.4	.0	.000	.000	.000	.000	.000	1.000
				X	Y	Z	X vel	Y vel	Z vel

BLKBUTTE Coordinate Reference Epoch = 88/ 1/ 1

7269		Value	Error	Correlation Matrix:					
X	(mm)	-2306306826.4	4.9	1.000					
Y	(mm)	-4787914469.5	10.1	.953	1.000				
Z	(mm)	3515736403.8	7.3	-.913	-.932	1.000			
X vel	(mm/yr)	-16.4	3.4	.553	.538	-.505	1.000		
Y vel	(mm/yr)	16.2	7.1	.532	.565	-.517	.958	1.000	
Z vel	(mm/yr)	-16.2	5.0	-.508	-.526	.536	-.937	-.953	1.000
				X	Y	Z	X vel	Y vel	Z vel

BLOOMIND Coordinate Reference Epoch = 88/ 1/ 1

7291		Value	Error	Correlation Matrix:					
X	(mm)	302384579.4	11.9	1.000					
Y	(mm)	-4941699058.3	35.6	-.061	1.000				
Z	(mm)	4007908423.7	29.1	-.055	-.896	1.000			
X vel	(mm/yr)	-15.9	.0	.000	.000	.000	1.000		
Y vel	(mm/yr)	-1.1	.0	.000	.000	.000	.000	1.000	
Z vel	(mm/yr)	-.2	.0	.000	.000	.000	.000	.000	1.000
				X	Y	Z	X vel	Y vel	Z vel

BREST Coordinate Reference Epoch = 88/ 1/ 1

7604		Value	Error	Correlation Matrix:					
X	(mm)	4228877267.7	8.7	1.000					
Y	(mm)	-333104348.1	2.5	-.246	1.000				
Z	(mm)	4747180833.3	9.8	.878	-.236	1.000			
X vel	(mm/yr)	-10.8	.0	.000	.000	.000	1.000		
Y vel	(mm/yr)	18.8	.0	.000	.000	.000	.000	1.000	
Z vel	(mm/yr)	10.9	.0	.000	.000	.000	.000	.000	1.000
				X	Y	Z	X vel	Y vel	Z vel

CARNUSTY Coordinate Reference Epoch = 88/ 1/ 1

7603		Value	Error	Correlation Matrix:					
X	(mm)	3526416542.5	11.3	1.000					
Y	(mm)	-171421262.7	3.7	.003	1.000				
Z	(mm)	5294098706.4	15.5	.906	.036	1.000			
X vel	(mm/yr)	-12.7	.0	.000	.000	.000	1.000		
Y vel	(mm/yr)	17.1	.0	.000	.000	.000	.000	1.000	
Z vel	(mm/yr)	9.0	.0	.000	.000	.000	.000	.000	1.000
				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

CARROLGA 7228	Coordinate Reference Epoch = 88/ 1/ 1								
	Value	Error	Correlation Matrix:						
X (mm)	453520754.2	9.4	1.000						
Y (mm)	-5300506788.3	34.9	-.427	1.000					
Z (mm)	3507207373.9	21.4	.502	-.914	1.000				
X vel (mm/yr)	-14.1	.0	.000	.000	.000	1.000			
Y vel (mm/yr)	-1.0	.0	.000	.000	.000	.000	1.000		
Z vel (mm/yr)	.3	.0	.000	.000	.000	.000	.000	1.000	
			X	Y	Z	X vel	Y vel	Z vel	

CHLBOLTN 7215	Coordinate Reference Epoch = 88/ 1/ 1							
	Value	Error	Correlation Matrix:					
X (mm)	4008310215.4	8.4	1.000					
Y (mm)	-100650905.7	4.4	-.600	1.000				
Z (mm)	4943794641.4	10.9	.752	-.537	1.000			
X vel (mm/yr)	-12.0	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	18.3	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	10.1	.0	.000	.000	.000	.000	.000	1.000
			X	Y	Z	X vel	Y vel	Z vel

DEADMANL 7267	Coordinate Reference Epoch = 88/ 1/ 1							
	Value	Error	Correlation Matrix:					
X (mm)	-2336819538.4	7.5	1.000					
Y (mm)	-4732587021.6	13.9	.920	1.000				
Z (mm)	3570329979.7	10.3	-.856	-.898	1.000			
X vel (mm/yr)	-45.7	9.9	.444	.412	-.375	1.000		
Y vel (mm/yr)	-43.0	19.1	.397	.425	-.380	.947	1.000	
Z vel (mm/yr)	29.2	13.3	-.382	-.402	.420	-.898	-.943	1.000
			X	Y	Z	X vel	Y vel	Z vel

DSS15 7231	Coordinate Reference Epoch = 88/ 1/ 1							
	Value	Error	Correlation Matrix:					
X (mm)	-2353538634.2	3.5	1.000					
Y (mm)	-4641649572.3	7.1	.878	1.000				
Z (mm)	3676670001.9	6.3	-.730	-.852	1.000			
X vel (mm/yr)	-12.2	3.9	-.735	-.674	.537	1.000		
Y vel (mm/yr)	17.5	7.5	-.699	-.758	.638	.795	1.000	
Z vel (mm/yr)	-13.8	6.9	.534	.615	-.685	-.686	-.860	1.000
			X	Y	Z	X vel	Y vel	Z vel

DSS45 1642	Coordinate Reference Epoch = 88/ 1/ 1							
	Value	Error	Correlation Matrix:					
X (mm)	-4460935119.4	15.9	1.000					
Y (mm)	2682765772.9	10.6	-.397	1.000				
Z (mm)	-3674381607.0	8.9	.245	-.111	1.000			
X vel (mm/yr)	-13.0	7.4	-.858	.431	-.357	1.000		
Y vel (mm/yr)	-14.0	5.0	.446	-.793	.225	-.464	1.000	
Z vel (mm/yr)	46.0	4.3	-.328	.231	-.736	.363	-.136	1.000
			X	Y	Z	X vel	Y vel	Z vel

DSS65 1665	Coordinate Reference Epoch = 88/ 1/ 1							
	Value	Error	Correlation Matrix:					
X (mm)	4849336820.0	5.2	1.000					
Y (mm)	-360488968.5	2.0	-.280	1.000				
Z (mm)	4114748629.4	5.9	.839	-.334	1.000			
X vel (mm/yr)	-3.4	3.6	-.857	.059	-.742	1.000		
Y vel (mm/yr)	21.0	1.2	.064	-.645	.201	-.078	1.000	
Z vel (mm/yr)	14.8	3.9	-.775	.172	-.779	.895	-.171	1.000
			X	Y	Z	X vel	Y vel	Z vel

EFLSBERG 7203	Coordinate Reference Epoch = 88/ 1/ 1							
	Value	Error	Correlation Matrix:					
X (mm)	4033947651.8	34.0	1.000					
Y (mm)	486990350.9	15.6	-.140	1.000				
Z (mm)	4900430658.2	44.5	.932	-.231	1.000			
X vel (mm/yr)	-11.6	4.9	.977	-.147	.910	1.000		
Y vel (mm/yr)	15.8	2.4	-.139	.961	-.225	-.179	1.000	
Z vel (mm/yr)	8.1	6.6	.896	-.236	.973	.907	-.258	1.000
			X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

ELY Coordinate Reference Epoch = 88/ 1/ 1

7286

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2077236178.7	3.1	1.000					
Y (mm)	-4486712753.6	6.7	.919	1.000				
Z (mm)	4018753732.5	5.7	-.875	-.917	1.000			
X vel (mm/yr)	-19.0	2.1	-.210	-.215	.206	1.000		
Y vel (mm/yr)	7.1	4.5	-.216	-.220	.209	.936	1.000	
Z vel (mm/yr)	-13.6	3.8	.209	.213	-.206	-.921	-.951	1.000

FLAGSTAF Coordinate Reference Epoch = 88/ 1/ 1

7261

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-1923992545.5	4.1	1.000					
Y (mm)	-4850854562.0	9.7	.921	1.000				
Z (mm)	3658589283.9	7.4	-.884	-.928	1.000			
X vel (mm/yr)	-20.6	2.1	.142	.098	-.138	1.000		
Y vel (mm/yr)	-5.5	5.0	.094	.103	-.134	.928	1.000	
Z vel (mm/yr)	-3.6	3.9	-.123	-.122	.182	-.908	-.950	1.000

FORT ORD Coordinate Reference Epoch = 88/ 1/ 1

7266

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2697026643.0	5.8	1.000					
Y (mm)	-4354393362.0	9.2	.954	1.000				
Z (mm)	3788077596.2	8.0	-.907	-.928	1.000			
X vel (mm/yr)	-32.3	3.4	.556	.533	-.503	1.000		
Y vel (mm/yr)	32.9	5.5	.528	.549	-.507	.961	1.000	
Z vel (mm/yr)	20.0	4.7	-.505	-.514	.534	-.942	-.952	1.000

FORTORDS Coordinate Reference Epoch = 88/ 1/ 1

7241

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2699840132.3	7.3	1.000					
Y (mm)	-4359127133.7	11.7	.960	1.000				
Z (mm)	3781050946.2	9.6	-.926	-.941	1.000			
X vel (mm/yr)	.0	.0	-.504	-.488	.495	1.000		
Y vel (mm/yr)	.0	.0	-.483	-.501	.496	.961	1.000	
Z vel (mm/yr)	.0	.0	.472	.478	-.519	-.942	-.952	1.000

FTD 7900 Coordinate Reference Epoch = 88/ 1/ 1

7900

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-1324227817.0	3.6	1.000					
Y (mm)	-5332063079.0	12.6	.758	1.000				
Z (mm)	3232023016.7	7.5	-.735	-.863	1.000			
X vel (mm/yr)	-13.0	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	-.6	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	-6.4	.0	.000	.000	.000	.000	.000	1.000

GILCREEK Coordinate Reference Epoch = 88/ 1/ 1

7225

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2281547035.3	.9	1.000					
Y (mm)	-1453645085.5	1.4	.558	1.000				
Z (mm)	5756993220.9	2.1	-.121	-.657	1.000			
X vel (mm/yr)	-22.9	.4	-.163	.108	.103	1.000		
Y vel (mm/yr)	2.4	.6	.071	.104	-.027	.544	1.000	
Z vel (mm/yr)	-11.8	.9	.074	-.015	-.034	-.204	-.752	1.000

GOLDVENU Coordinate Reference Epoch = 88/ 1/ 1

1513

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2351129004.3	1.9	1.000					
Y (mm)	-4655477122.7	3.6	.777	1.000				
Z (mm)	3660956894.5	3.5	-.734	-.817	1.000			
X vel (mm/yr)	-18.6	.6	.420	.311	-.314	1.000		
Y vel (mm/yr)	9.5	1.2	.296	.372	-.300	.727	1.000	
Z vel (mm/yr)	-7.6	1.1	-.334	-.337	.375	-.703	-.861	1.000

Table 4.1 (continued)

GORF7102 — Coordinate Reference Epoch = 88/ 1/ 1 — 7102

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	1130686714.8	2.9	1.000					
Y (mm)	-4831353049.4	10.0	-.744	1.000				
Z (mm)	3994110844.4	8.4	.711	-.943	1.000			
X vel (mm/yr)	-15.8	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	-1.3	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	3.0	.0	.000	.000	.000	.000	.000	1.000

GRASSE — Coordinate Reference Epoch = 88/ 1/ 1 — 7605

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	4581697834.6	6.5	1.000					
Y (mm)	556125586.7	2.2	.146	1.000				
Z (mm)	4389351291.2	7.1	.792	.207	1.000			
X vel (mm/yr)	-12.8	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	19.6	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	10.9	.0	.000	.000	.000	.000	.000	1.000

HALEAKAL — Coordinate Reference Epoch = 88/ 1/ 1 — 7120

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-5465998401.0	14.1	1.000					
Y (mm)	-2404408602.6	7.1	.905	1.000				
Z (mm)	2242228464.0	7.0	-.805	-.765	1.000			
X vel (mm/yr)	-16.9	.3	-.063	-.056	.103	1.000		
Y vel (mm/yr)	67.2	.8	.054	.087	-.099	-.474	1.000	
Z vel (mm/yr)	29.9	.7	-.010	.029	.006	.526	.500	1.000

HARTRAO — Coordinate Reference Epoch = 88/ 1/ 1 — 7232

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	5085442762.1	9.7	1.000					
Y (mm)	2668263370.2	5.9	.086	1.000				
Z (mm)	-2768697254.4	5.2	.320	.434	1.000			
X vel (mm/yr)	8.0	4.3	-.581	-.119	-.214	1.000		
Y vel (mm/yr)	13.0	2.7	-.028	-.413	-.037	.090	1.000	
Z vel (mm/yr)	11.3	2.2	-.128	-.109	-.237	.116	.342	1.000

HATCREEK — Coordinate Reference Epoch = 88/ 1/ 1 — 7218

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2523969805.4	.8	1.000					
Y (mm)	-4123506400.5	1.7	.681	1.000				
Z (mm)	4147752584.0	2.1	-.591	-.670	1.000			
X vel (mm/yr)	-20.9	.4	-.356	-.208	.200	1.000		
Y vel (mm/yr)	10.8	.8	-.209	-.165	.180	.706	1.000	
Z vel (mm/yr)	-9.6	.8	.212	.215	-.197	-.675	-.833	1.000

HAYSTACK — Coordinate Reference Epoch = 88/ 1/ 1 — 7205

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	1492404946.6	.4	1.000					
Y (mm)	-4457266531.0	.8	-.526	1.000				
Z (mm)	4296881668.7	.8	.513	-.807	1.000			
X vel (mm/yr)	-16.9	.1	-.300	.162	-.144	1.000		
Y vel (mm/yr)	-.5	.3	.154	-.389	.301	-.508	1.000	
Z vel (mm/yr)	3.8	.3	-.136	.294	-.424	.471	-.780	1.000

HOBART26 — Coordinate Reference Epoch = 88/ 1/ 1 — 7242

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-3950236479.7	31.8	1.000					
Y (mm)	2522347570.2	22.4	-.602	1.000				
Z (mm)	-4311562882.1	26.2	.600	-.465	1.000			
X vel (mm/yr)	1.2	13.8	-.961	.601	-.608	1.000		
Y vel (mm/yr)	-10.4	9.7	.609	-.945	.476	-.604	1.000	
Z vel (mm/yr)	23.9	11.3	-.608	.486	-.966	.605	-.457	1.000

Table 4.1 (continued)

HOHENFRG Coordinate Reference Epoch = 88/ 1/ 1

7600	Value	Error	Correlation Matrix:					
X (mm)	3778215053.8	5.3	1.000					
Y (mm)	698644615.5	1.9	.220	1.000				
Z (mm)	5074053463.8	7.1	.797	.258	1.000			
X vel (mm/yr)	-15.0	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	17.7	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	8.7	.0	.000	.000	.000	.000	.000	1.000
			X	Y	Z	X vel	Y vel	Z vel

JPL MV1 Coordinate Reference Epoch = 88/ 1/ 1

7263	Value	Error	Correlation Matrix:					
X (mm)	-2493305864.9	4.8	1.000					
Y (mm)	-4655197643.9	8.6	.954	1.000				
Z (mm)	3565519322.5	6.6	-.910	-.928	1.000			
X vel (mm/yr)	-34.4	2.2	.633	.604	-.572	1.000		
Y vel (mm/yr)	23.7	4.1	.598	.615	-.570	.958	1.000	
Z vel (mm/yr)	6.0	3.1	-.580	-.583	.596	-.940	-.955	1.000
			X	Y	Z	X vel	Y vel	Z vel

KASHIM34 Coordinate Reference Epoch = 88/ 1/ 1

1857	Value	Error	Correlation Matrix:					
X (mm)	-3997649207.9	3.5	1.000					
Y (mm)	3276690722.7	2.5	-.173	1.000				
Z (mm)	3724278984.5	4.6	-.617	.278	1.000			
X vel (mm/yr)	3.9	1.3	-.036	.400	.087	1.000		
Y vel (mm/yr)	7.4	.8	.428	-.072	-.213	.226	1.000	
Z vel (mm/yr)	-18.5	1.9	.079	-.126	.052	-.336	.175	1.000
			X	Y	Z	X vel	Y vel	Z vel

KASHIMA Coordinate Reference Epoch = 88/ 1/ 1

1856	Value	Error	Correlation Matrix:					
X (mm)	-3997892228.1	2.7	1.000					
Y (mm)	3276581228.6	1.8	.368	1.000				
Z (mm)	3724118379.5	3.9	-.504	-.024	1.000			
X vel (mm/yr)	3.9	1.3	.178	.383	-.024	1.000		
Y vel (mm/yr)	7.4	.8	.374	.171	-.121	.226	1.000	
Z vel (mm/yr)	-18.5	1.9	-.014	-.067	.163	-.336	.175	1.000
			X	Y	Z	X vel	Y vel	Z vel

KAUAI Coordinate Reference Epoch = 88/ 1/ 1

1311	Value	Error	Correlation Matrix:					
X (mm)	-5543845934.0	2.1	1.000					
Y (mm)	-2054564219.9	2.2	.633	1.000				
Z (mm)	2387813832.8	3.3	-.743	-.443	1.000			
X vel (mm/yr)	-12.5	.3	-.500	-.208	.251	1.000		
Y vel (mm/yr)	68.2	.8	.406	.290	-.217	-.474	1.000	
Z vel (mm/yr)	29.7	.7	-.099	.076	.037	.526	.500	1.000
			X	Y	Z	X vel	Y vel	Z vel

KODIAK Coordinate Reference Epoch = 88/ 1/ 1

7278	Value	Error	Correlation Matrix:					
X (mm)	-3026940045.3	5.1	1.000					
Y (mm)	-1575911839.3	3.2	.841	1.000				
Z (mm)	5370362503.7	8.7	-.921	-.851	1.000			
X vel (mm/yr)	-24.3	3.5	-.401	-.325	.389	1.000		
Y vel (mm/yr)	8.9	2.1	-.347	-.328	.350	.874	1.000	
Z vel (mm/yr)	.0	5.9	.392	.336	-.407	-.952	-.881	1.000
			X	Y	Z	X vel	Y vel	Z vel

KWAJAL26 Coordinate Reference Epoch = 88/ 1/ 1

4968	Value	Error	Correlation Matrix:					
X (mm)	-6143536472.1	10.1	1.000					
Y (mm)	1363997178.8	3.7	-.366	1.000				
Z (mm)	1034707464.6	5.2	-.558	.139	1.000			
X vel (mm/yr)	22.3	4.7	.682	-.317	-.288	1.000		
Y vel (mm/yr)	73.3	1.7	-.291	.549	.073	-.410	1.000	
Z vel (mm/yr)	21.2	2.4	-.271	.160	.338	-.536	.382	1.000
			X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

LEONRDOK Coordinate Reference Epoch = 88/ 1/ 1

Correlation Matrix:

7292	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-522231452.0	3.7	1.000					
Y (mm)	-5145676909.9	18.6	.575	1.000				
Z (mm)	3720152312.9	12.3	-.531	-.893	1.000			
X vel (mm/yr)	-14.8	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	-.9	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	-3.3	.0	.000	.000	.000	.000	.000	1.000

MAMMOTHL Coordinate Reference Epoch = 88/ 1/ 1

Correlation Matrix:

7259	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2448246625.9	15.4	1.000					
Y (mm)	-4426738331.4	27.8	.964	1.000				
Z (mm)	3875435855.5	23.4	-.945	-.957	1.000			
X vel (mm/yr)	-15.7	5.9	.845	.805	-.787	1.000		
Y vel (mm/yr)	29.6	10.4	.820	.846	-.801	.955	1.000	
Z vel (mm/yr)	-18.5	8.7	-.807	-.806	.843	-.940	-.945	1.000

MARCUS Coordinate Reference Epoch = 88/ 1/ 1

Correlation Matrix:

7310	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-5227446797.3	15.7	1.000					
Y (mm)	2551379155.9	9.0	-.628	1.000				
Z (mm)	2607604792.1	12.9	-.756	.545	1.000			
X vel (mm/yr)	39.8	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	58.7	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	22.4	.0	.000	.000	.000	.000	.000	1.000

MARPOINT Coordinate Reference Epoch = 88/ 1/ 1

Correlation Matrix:

7217	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	1106629505.0	1.2	1.000					
Y (mm)	-4882907206.3	3.8	-.592	1.000				
Z (mm)	3938086893.0	3.1	.525	-.882	1.000			
X vel (mm/yr)	-17.3	.5	-.079	.160	-.205	1.000		
Y vel (mm/yr)	2.6	1.7	.150	-.148	.160	-.734	1.000	
Z vel (mm/yr)	.4	1.4	-.190	.155	-.169	.717	-.909	1.000

MATERA Coordinate Reference Epoch = 88/ 1/ 1

Correlation Matrix:

7243	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	4641939027.7	5.6	1.000					
Y (mm)	1393002853.9	2.7	-.048	1.000				
Z (mm)	4133325385.4	6.4	.570	.193	1.000			
X vel (mm/yr)	-14.9	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	19.5	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	10.2	.0	.000	.000	.000	.000	.000	1.000

MCD 7850 Coordinate Reference Epoch = 88/ 1/ 1

Correlation Matrix:

7850	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-1330008024.2	2.7	1.000					
Y (mm)	-5328391599.1	10.1	.732	1.000				
Z (mm)	3236502696.4	6.2	-.745	-.874	1.000			
X vel (mm/yr)	-13.1	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	-.6	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	-6.4	.0	.000	.000	.000	.000	.000	1.000

MEDICINA Coordinate Reference Epoch = 88/ 1/ 1

Correlation Matrix:

7230	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	4461370204.6	3.3	1.000					
Y (mm)	919596650.7	1.5	-.137	1.000				
Z (mm)	4449559044.0	4.2	.718	-.095	1.000			
X vel (mm/yr)	-12.0	1.8	-.633	-.146	-.568	1.000		
Y vel (mm/yr)	18.2	.8	-.168	-.489	-.048	-.060	1.000	
Z vel (mm/yr)	11.1	2.0	-.578	-.078	-.465	.762	.030	1.000

Table 4.1 (continued)

METSHOVI 7601	Value	Error	Correlation Matrix:					
X (mm)	2890652948.5	7.7	1.000					
Y (mm)	1310295186.6	4.3	.711	1.000				
Z (mm)	5513958584.7	12.7	.881	.708	1.000			
X vel (mm/yr)	-18.1	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	15.2	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	5.9	.0	.000	.000	.000	.000	.000	1.000
			X	Y	Z	X vel	Y vel	Z vel

Coordinate Reference Epoch = 88/ 1/ 1

MILESMON 7038	Value	Error	Correlation Matrix:					
X (mm)	-1204438869.9	9.2	1.000					
Y (mm)	-4239211136.2	29.1	.849	1.000				
Z (mm)	4596266039.0	29.3	-.833	-.948	1.000			
X vel (mm/yr)	-18.0	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	-1.0	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	-5.7	.0	.000	.000	.000	.000	.000	1.000
			X	Y	Z	X vel	Y vel	Z vel

Coordinate Reference Epoch = 88/ 1/ 1

MIYAZAKI 7312	Value	Error	Correlation Matrix:					
X (mm)	-3582767790.7	24.4	1.000					
Y (mm)	4052033994.4	25.2	-.885	1.000				
Z (mm)	3369020672.7	24.7	-.779	.838	1.000			
X vel (mm/yr)	2.5	26.8	-.274	.249	.183	1.000		
Y vel (mm/yr)	-3.9	27.5	.250	-.240	-.217	-.901	1.000	
Z vel (mm/yr)	-24.9	26.9	.184	-.217	-.272	-.770	.848	1.000
			X	Y	Z	X vel	Y vel	Z vel

Coordinate Reference Epoch = 88/ 1/ 1

MOJ 7288 7288	Value	Error	Correlation Matrix:					
X (mm)	-2356493981.9	5.7	1.000					
Y (mm)	-4646607727.1	10.9	.950	1.000				
Z (mm)	3668426610.2	8.3	-.901	-.932	1.000			
X vel (mm/yr)	-16.4	.2	-.039	-.026	.037	1.000		
Y vel (mm/yr)	11.5	.6	-.015	-.010	.026	.434	1.000	
Z vel (mm/yr)	-8.0	.5	.013	.020	-.032	-.487	-.777	1.000
			X	Y	Z	X vel	Y vel	Z vel

Coordinate Reference Epoch = 88/ 1/ 1

MOJAVE12 7222	Value	Error	Correlation Matrix:					
X (mm)	-2356170860.1	.5	1.000					
Y (mm)	-4646755931.4	1.3	.399	1.000				
Z (mm)	3668470593.7	1.8	-.641	-.589	1.000			
X vel (mm/yr)	-16.4	.2	-.485	-.228	.166	1.000		
Y vel (mm/yr)	11.5	.6	-.186	-.075	.109	.435	1.000	
Z vel (mm/yr)	-8.0	.5	.151	.156	-.133	-.488	-.777	1.000
			X	Y	Z	X vel	Y vel	Z vel

Coordinate Reference Epoch = 88/ 1/ 1

MON PEAK 7274	Value	Error	Correlation Matrix:					
X (mm)	-2386289279.7	2.3	1.000					
Y (mm)	-4802346614.8	4.7	.926	1.000				
Z (mm)	3444883956.2	3.6	-.859	-.874	1.000			
X vel (mm/yr)	-34.5	1.2	.368	.353	-.299	1.000		
Y vel (mm/yr)	34.6	2.4	.347	.368	-.303	.939	1.000	
Z vel (mm/yr)	5.6	1.7	-.320	-.326	.302	-.911	-.946	1.000
			X	Y	Z	X vel	Y vel	Z vel

Coordinate Reference Epoch = 88/ 1/ 1

NOBEY 6M 7244	Value	Error	Correlation Matrix:					
X (mm)	-3871168182.8	10.3	1.000					
Y (mm)	3428273957.9	9.1	-.703	1.000				
Z (mm)	3723697731.2	11.4	-.751	.692	1.000			
X vel (mm/yr)	-13.4	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	-.4	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	-13.7	.0	.000	.000	.000	.000	.000	1.000
			X	Y	Z	X vel	Y vel	Z vel

Coordinate Reference Epoch = 88/ 1/ 1

Table 4.1 (continued)

NOME Coordinate Reference Epoch = 88/ 1/ 1
7279 — Correlation Matrix:

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2658150310.4	6.1	1.000					
Y (mm)	-693821950.4	2.7	.633	1.000				
Z (mm)	5737236640.0	12.7	-.929	-.629	1.000			
X vel (mm/yr)	-27.1	2.5	.270	.168	-.251	1.000		
Y vel (mm/yr)	-2.2	1.2	.158	.219	-.164	.641	1.000	
Z vel (mm/yr)	-6.4	5.3	-.249	-.169	.240	-.922	-.648	1.000

NOTO Coordinate Reference Epoch = 88/ 1/ 1
7547 — Correlation Matrix:

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	4934563323.1	8.2	1.000					
Y (mm)	1321201113.1	3.4	.417	1.000				
Z (mm)	3806484268.3	7.9	.849	.447	1.000			
X vel (mm/yr)	-7.5	4.1	-.904	-.454	-.797	1.000		
Y vel (mm/yr)	13.6	1.8	-.460	-.839	-.443	.398	1.000	
Z vel (mm/yr)	24.0	3.8	-.808	-.481	-.824	.871	.487	1.000

NRAO 140 Coordinate Reference Epoch = 88/ 1/ 1
7204 — Correlation Matrix:

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	882880085.4	1.3	1.000					
Y (mm)	-4924482326.7	4.3	-.356	1.000				
Z (mm)	3944130596.4	3.6	.354	-.870	1.000			
X vel (mm/yr)	-17.3	.3	.607	-.185	.192	1.000		
Y vel (mm/yr)	2.4	.9	-.183	.538	-.458	-.406	1.000	
Z vel (mm/yr)	.1	.8	.183	-.442	.510	.382	-.883	1.000

NRAO85 3 Coordinate Reference Epoch = 88/ 1/ 1
7214 — Correlation Matrix:

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	882325762.9	2.3	1.000					
Y (mm)	-4925137985.2	6.8	-.256	1.000				
Z (mm)	3943397569.4	5.4	.169	-.838	1.000			
X vel (mm/yr)	-12.2	1.0	-.972	.254	-.170	1.000		
Y vel (mm/yr)	-10.3	3.0	.249	-.974	.822	-.260	1.000	
Z vel (mm/yr)	11.6	2.4	-.167	.812	-.972	.174	-.840	1.000

OCOTILLO Coordinate Reference Epoch = 88/ 1/ 1
7270 — Correlation Matrix:

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2335600983.9	12.7	1.000					
Y (mm)	-4832244277.2	25.9	.966	1.000				
Z (mm)	3434392509.5	18.4	-.940	-.963	1.000			
X vel (mm/yr)	-13.7	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	-.5	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	-10.1	.0	.000	.000	.000	.000	.000	1.000

ONSALA60 Coordinate Reference Epoch = 88/ 1/ 1
7213 — Correlation Matrix:

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	3370606222.0	1.5	1.000					
Y (mm)	711917343.0	.9	-.558	1.000				
Z (mm)	5349830601.2	2.6	.312	-.618	1.000			
X vel (mm/yr)	-11.3	.8	.151	.003	-.126	1.000		
Y vel (mm/yr)	14.0	.5	-.066	-.019	.011	-.708	1.000	
Z vel (mm/yr)	6.1	1.1	-.044	-.051	.182	.345	-.640	1.000

OVR 7853 Coordinate Reference Epoch = 88/ 1/ 1
7853 — Correlation Matrix:

	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2410421096.5	4.5	1.000					
Y (mm)	-4477800449.5	8.1	.912	1.000				
Z (mm)	3838690305.4	6.6	-.839	-.898	1.000			
X vel (mm/yr)	-18.5	.3	.105	.094	-.095	1.000		
Y vel (mm/yr)	13.4	.9	.066	.080	-.066	.668	1.000	
Z vel (mm/yr)	-8.6	.8	-.065	-.060	.066	-.659	-.819	1.000

Table 4.1 (continued)

OVRO 130 Coordinate Reference Epoch = 88/ 1/ 1
7207

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2409600617.6	1.2	1.000					
Y (mm)	-4478349585.9	2.4	.809	1.000				
Z (mm)	3838603199.7	2.5	-.735	-.777	1.000			
X vel (mm/yr)	-18.5	.3	.623	.536	-.425	1.000		
Y vel (mm/yr)	13.4	.9	.414	.453	-.314	.669	1.000	
Z vel (mm/yr)	-8.6	.8	-.391	-.370	.332	-.660	-.819	1.000

PBLOSSOM Coordinate Reference Epoch = 88/ 1/ 1
7254

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2464070793.4	7.6	1.000					
Y (mm)	-4649425675.2	14.2	.956	1.000				
Z (mm)	3593905685.0	10.6	-.914	-.933	1.000			
X vel (mm/yr)	-20.8	3.3	.724	.694	-.661	1.000		
Y vel (mm/yr)	29.3	6.3	.693	.723	-.672	.960	1.000	
Z vel (mm/yr)	-5.3	4.7	-.660	-.672	.705	-.933	-.951	1.000

PENTICTN Coordinate Reference Epoch = 88/ 1/ 1
7283

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2058840277.8	8.0	1.000					
Y (mm)	-3621286444.3	13.2	.943	1.000				
Z (mm)	4814420749.5	17.1	-.944	-.968	1.000			
X vel (mm/yr)	-25.8	3.1	-.176	-.227	.182	1.000		
Y vel (mm/yr)	-11.1	5.1	-.224	-.278	.234	.945	1.000	
Z vel (mm/yr)	8.4	6.6	.182	.236	-.194	-.951	-.971	1.000

PIETOWN Coordinate Reference Epoch = 88/ 1/ 1
7234

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-1640953522.3	1.3	1.000					
Y (mm)	-5014816051.9	3.2	.612	1.000				
Z (mm)	3575411898.9	2.9	-.636	-.783	1.000			
X vel (mm/yr)	-14.7	.7	-.938	-.613	.553	1.000		
Y vel (mm/yr)	9.2	1.6	-.610	-.882	.686	.625	1.000	
Z vel (mm/yr)	-12.7	1.4	.602	.750	-.809	-.637	-.843	1.000

PINFLATS Coordinate Reference Epoch = 88/ 1/ 1
7256

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2369635819.5	3.3	1.000					
Y (mm)	-4761324960.2	6.6	.924	1.000				
Z (mm)	3511116126.1	5.1	-.886	-.911	1.000			
X vel (mm/yr)	-25.4	2.1	.435	.391	-.378	1.000		
Y vel (mm/yr)	22.7	4.2	.385	.407	-.376	.941	1.000	
Z vel (mm/yr)	-.4	3.1	-.391	-.392	.404	-.925	-.954	1.000

PLATTVIL Coordinate Reference Epoch = 88/ 1/ 1
7258

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-1240707999.2	1.5	1.000					
Y (mm)	-4720454391.1	4.8	.821	1.000				
Z (mm)	4094481627.0	4.2	-.776	-.917	1.000			
X vel (mm/yr)	-18.2	.8	.212	.129	-.116	1.000		
Y vel (mm/yr)	1.5	2.6	.137	.122	-.117	.857	1.000	
Z vel (mm/yr)	-9.0	2.2	-.134	-.123	.134	-.826	-.952	1.000

PRESIDIO Coordinate Reference Epoch = 88/ 1/ 1
7252

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2707704744.5	3.6	1.000					
Y (mm)	-4257609651.1	5.6	.928	1.000				
Z (mm)	3888374172.0	5.2	-.874	-.900	1.000			
X vel (mm/yr)	.0	.0	.194	.169	-.136	1.000		
Y vel (mm/yr)	.0	.0	.165	.178	-.134	.951	1.000	
Z vel (mm/yr)	.0	.0	-.143	-.143	.137	-.929	-.948	1.000

Table 4.1 (continued)

PT REYES 7251	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix:					
X (mm)	-2732332972.7	3.6	1.000					
Y (mm)	-4217634939.9	5.4	.932	1.000				
Z (mm)	3914491039.0	5.2	-.883	-.901	1.000			
X vel (mm/yr)	-25.9	2.6	-.231	-.211	.218	1.000		
Y vel (mm/yr)	32.8	3.9	-.215	-.212	.215	.952	1.000	
Z vel (mm/yr)	14.3	3.6	.222	.216	-.241	-.932	-.948	1.000
			X	Y	Z	X vel	Y vel	Z vel

PVERDES 7268	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix:					
X (mm)	-2525452671.5	5.8	1.000					
Y (mm)	-4670035720.2	10.6	.958	1.000				
Z (mm)	3522886747.1	7.9	-.923	-.941	1.000			
X vel (mm/yr)	-27.5	3.6	-.438	-.425	.403	1.000		
Y vel (mm/yr)	37.6	6.4	-.428	-.430	.405	.962	1.000	
Z vel (mm/yr)	4.6	4.8	.410	.409	-.407	-.940	-.960	1.000
			X	Y	Z	X vel	Y vel	Z vel

QUINCY 7221	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix:					
X (mm)	-2517230763.1	2.6	1.000					
Y (mm)	-4198595269.8	4.4	.911	1.000				
Z (mm)	4076531270.1	4.2	-.856	-.886	1.000			
X vel (mm/yr)	-20.7	1.5	.029	.017	-.011	1.000		
Y vel (mm/yr)	15.2	2.5	.021	.023	-.006	.934	1.000	
Z vel (mm/yr)	-11.6	2.3	-.015	-.006	.014	-.920	-.946	1.000
			X	Y	Z	X vel	Y vel	Z vel

RICHMOND 7219	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix:					
X (mm)	961258199.2	.7	1.000					
Y (mm)	-5674090056.4	1.2	-.108	1.000				
Z (mm)	2740533701.5	.9	-.141	-.821	1.000			
X vel (mm/yr)	-11.3	.0	-.021	-.173	-.015	1.000		
Y vel (mm/yr)	-1.0	.1	-.021	-.173	-.015	1.000	1.000	
Z vel (mm/yr)	2.0	.1	-.021	-.173	-.015	1.000	1.000	1.000
			X	Y	Z	X vel	Y vel	Z vel

ROBLED32 1561	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix:					
X (mm)	4849245376.8	51.1	1.000					
Y (mm)	-360278299.1	12.1	-.229	1.000				
Z (mm)	4114884404.5	44.4	.951	-.362	1.000			
X vel (mm/yr)	-3.4	3.6	.317	.007	.351	1.000		
Y vel (mm/yr)	21.0	1.2	.000	.346	-.046	-.078	1.000	
Z vel (mm/yr)	14.8	3.9	.289	-.055	.385	.895	-.171	1.000
			X	Y	Z	X vel	Y vel	Z vel

SANPAULA 7255	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix:					
X (mm)	-2554476545.3	6.0	1.000					
Y (mm)	-4608627429.9	10.8	.958	1.000				
Z (mm)	3582138285.6	8.2	-.927	-.943	1.000			
X vel (mm/yr)	-35.6	3.5	-.287	-.296	.278	1.000		
Y vel (mm/yr)	24.2	6.3	-.296	-.320	.292	.961	1.000	
Z vel (mm/yr)	11.6	4.7	.278	.293	-.293	-.946	-.958	1.000
			X	Y	Z	X vel	Y vel	Z vel

SEATTLE1 7229	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix:					
X (mm)	-2295347852.8	11.8	1.000					
Y (mm)	-3638029503.8	23.0	.856	1.000				
Z (mm)	4693408683.2	25.9	-.865	-.964	1.000			
X vel (mm/yr)	-8.9	5.2	-.585	-.523	.499	1.000		
Y vel (mm/yr)	15.1	9.8	-.543	-.697	.642	.869	1.000	
Z vel (mm/yr)	-26.7	11.3	.503	.625	-.610	-.880	-.962	1.000
			X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

SESHAN25 7227 — Coordinate Reference Epoch = 88/ 1/ 1

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2831686619.3	6.6	1.000					
Y (mm)	4675733789.8	7.0	-.642	1.000				
Z (mm)	3275327860.9	7.6	-.665	.663	1.000			
X vel (mm/yr)	-19.8	3.2	-.695	.680	.530	1.000		
Y vel (mm/yr)	-15.9	3.6	.655	-.872	-.590	-.677	1.000	
Z vel (mm/yr)	-25.1	3.8	.511	-.595	-.586	-.612	.672	1.000

SEST 7239 — Coordinate Reference Epoch = 88/ 1/ 1

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	1838237885.0	9.3	1.000					
Y (mm)	-5258699166.1	16.9	-.418	1.000				
Z (mm)	-3100588940.3	8.9	-.245	.567	1.000			
X vel (mm/yr)	.1	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	-5.1	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	8.6	.0	.000	.000	.000	.000	.000	1.000

SHANGHAI 7226 — Coordinate Reference Epoch = 88/ 1/ 1

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2847698140.1	123.3	1.000					
Y (mm)	4659872861.4	107.0	-.941	1.000				
Z (mm)	3283958930.5	96.1	-.962	.945	1.000			
X vel (mm/yr)	-19.7	3.2	.034	-.032	-.032	1.000		
Y vel (mm/yr)	-15.9	3.6	-.026	.051	.039	-.677	1.000	
Z vel (mm/yr)	-25.1	3.8	-.022	.032	.045	-.612	.672	1.000

SNDPOINT 7280 — Coordinate Reference Epoch = 88/ 1/ 1

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-3425461782.8	7.5	1.000					
Y (mm)	-1214669180.7	3.4	.804	1.000				
Z (mm)	5223858286.7	11.0	-.941	-.811	1.000			
X vel (mm/yr)	-21.3	4.4	-.601	-.462	.579	1.000		
Y vel (mm/yr)	10.6	2.0	-.486	-.468	.479	.828	1.000	
Z vel (mm/yr)	-17.2	6.5	.584	.465	-.592	-.958	-.828	1.000

SOURDOGH 7281 — Coordinate Reference Epoch = 88/ 1/ 1

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2419993356.7	8.4	1.000					
Y (mm)	-1664228790.3	6.1	.894	1.000				
Z (mm)	5643538265.2	19.2	-.949	-.913	1.000			
X vel (mm/yr)	.0	.0	.851	.764	-.816	1.000		
Y vel (mm/yr)	.0	.0	.756	.821	-.774	.888	1.000	
Z vel (mm/yr)	.0	.0	-.811	-.775	.849	-.949	-.916	1.000

TITIJIMA 7844 — Coordinate Reference Epoch = 88/ 1/ 1

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-4489356655.8	41.4	1.000					
Y (mm)	3482989452.4	35.7	-.852	1.000				
Z (mm)	2887931221.4	34.7	-.852	.852	1.000			
X vel (mm/yr)	-46.2	52.3	-.296	.275	.252	1.000		
Y vel (mm/yr)	54.7	41.2	.302	-.350	-.300	-.760	1.000	
Z vel (mm/yr)	50.0	41.7	.265	-.288	-.319	-.889	.808	1.000

TROMSONO 7602 — Coordinate Reference Epoch = 88/ 1/ 1

	Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	2102904281.7	5.6	1.000					
Y (mm)	721602397.0	3.5	.316	1.000				
Z (mm)	5958201235.6	12.7	.788	.379	1.000			
X vel (mm/yr)	-17.3	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	13.1	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	4.5	.0	.000	.000	.000	.000	.000	1.000

Table 4.1 (continued)

TSUKUBA 7311	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-3957172858.1	10.7	1.000					
Y (mm)	3310237885.3	9.4	-.793	1.000				
Z (mm)	3737709051.6	10.9	-.815	.776	1.000			
X vel (mm/yr)	14.1	7.1	.411	-.335	-.327	1.000		
Y vel (mm/yr)	-5.0	6.0	-.348	.443	.352	-.840	1.000	
Z vel (mm/yr)	-32.4	6.8	-.345	.359	.381	-.833	.815	1.000

VERNAL 7290	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-1631473166.1	3.4	1.000					
Y (mm)	-4589128954.8	8.4	.897	1.000				
Z (mm)	4106759857.2	7.1	-.858	-.929	1.000			
X vel (mm/yr)	-18.4	2.2	-.433	-.408	.389	1.000		
Y vel (mm/yr)	-3.9	5.6	-.400	-.439	.409	.917	1.000	
Z vel (mm/yr)	-4.8	4.9	.367	.396	-.414	-.890	-.952	1.000

VICTORIA 7289	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2341309963.3	10.5	1.000					
Y (mm)	-3539083900.4	15.9	.927	1.000				
Z (mm)	4745768352.8	20.4	-.944	-.959	1.000			
X vel (mm/yr)	-18.4	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	-.9	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	-9.7	.0	.000	.000	.000	.000	.000	1.000

VNDNBERG 7223	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2678094618.1	.8	1.000					
Y (mm)	-4525450873.0	1.6	.631	1.000				
Z (mm)	3597410126.9	2.0	-.627	-.626	1.000			
X vel (mm/yr)	-31.2	.4	-.166	-.088	.078	1.000		
Y vel (mm/yr)	35.6	.9	-.083	-.025	.071	.697	1.000	
Z vel (mm/yr)	16.3	.7	.083	.094	-.093	-.690	-.816	1.000

WESTFORD 7209	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	1492206805.2	.0	1.000					
Y (mm)	-4458130527.7	.0	.000	1.000				
Z (mm)	4296015440.3	.0	.000	.000	1.000			
X vel (mm/yr)	-16.9	.0	.000	.000	.000	1.000		
Y vel (mm/yr)	-1.4	.0	.000	.000	.000	.000	1.000	
Z vel (mm/yr)	4.4	.0	.000	.000	.000	.000	.000	1.000

WETTZELL 7224	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	4075540092.0	1.6	1.000					
Y (mm)	931735106.1	.9	-.760	1.000				
Z (mm)	4801629229.7	2.7	.328	-.491	1.000			
X vel (mm/yr)	-13.5	.8	.112	-.080	-.162	1.000		
Y vel (mm/yr)	15.3	.5	-.150	.019	.061	-.848	1.000	
Z vel (mm/yr)	4.9	1.1	-.029	-.030	.185	.334	-.504	1.000

WHTHORSE 7284	Coordinate Reference Epoch = 88/ 1/ 1 Value	Error	Correlation Matrix: X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2215213475.9	4.7	1.000					
Y (mm)	-2209261644.3	4.7	.897	1.000				
Z (mm)	5540292513.3	11.1	-.915	-.919	1.000			
X vel (mm/yr)	-23.6	3.8	-.446	-.405	.439	1.000		
Y vel (mm/yr)	9.6	3.6	-.413	-.433	.435	.911	1.000	
Z vel (mm/yr)	-20.2	8.8	.439	.429	-.487	-.938	-.937	1.000

Table 4.1 (continued)

YAKATAGA	Coordinate Reference Epoch = 88/ 1/ 1								
7277		Value	Error	Correlation Matrix:					
X	(mm)	-2529744095.7	7.6	1.000					
Y	(mm)	-1942091360.9	6.1	.908	1.000				
Z	(mm)	5505027985.9	15.5	-.938	-.924	1.000			
X vel	(mm/yr)	.0	.0	.648	.586	-.615	1.000		
Y vel	(mm/yr)	.0	.0	.590	.631	-.603	.901	1.000	
Z vel	(mm/yr)	.0	.0	-.604	-.586	.638	-.944	-.930	1.000
				X	Y	Z	X vel	Y vel	Z vel

YELLOWKN	Coordinate Reference Epoch = 88/ 1/ 1								
7285		Value	Error	Correlation Matrix:					
X	(mm)	-1224124372.3	30.8	1.000					
Y	(mm)	-2689530723.1	67.0	.892	1.000				
Z	(mm)	5633555408.0	140.1	-.896	-.946	1.000			
X vel	(mm/yr)	-20.8	11.0	.982	.878	-.883	1.000		
Y vel	(mm/yr)	-22.1	24.0	.877	.983	-.932	.893	1.000	
Z vel	(mm/yr)	42.4	50.4	-.879	-.929	.983	-.897	-.947	1.000
				X	Y	Z	X vel	Y vel	Z vel

YUMA	Coordinate Reference Epoch = 88/ 1/ 1								
7894		Value	Error	Correlation Matrix:					
X	(mm)	-2196777797.3	2.9	1.000					
Y	(mm)	-4887337097.9	6.3	.928	1.000				
Z	(mm)	3448425218.6	4.6	-.882	-.900	1.000			
X vel	(mm/yr)	-19.2	2.2	.546	.516	-.470	1.000		
Y vel	(mm/yr)	-2.7	4.9	.509	.541	-.477	.952	1.000	
Z vel	(mm/yr)	-7.5	3.4	-.483	-.497	.497	-.924	-.950	1.000
				X	Y	Z	X vel	Y vel	Z vel

Table 4.2
Geocentric Cartesian Coordinates for HRAS 085 (7216) from GLB753

For the interval beginning: 80/ 4/ 1

	Value	Error	Correlation Matrix:		
X	-1324210817.1	3.1	1.000		
Y	-5332023212.9	11.3	.728	1.000	
Z	3232118368.0	7.7	-.708	-.914	1.000
(mm)			X	Y	Z

For the interval beginning: 81/ 1/ 1

	Value	Error	Correlation Matrix:		
X	-1324210832.8	7.4	1.000		
Y	-5332023284.9	45.8	.898	1.000	
Z	3232118442.6	51.7	-.871	-.978	1.000
(mm)			X	Y	Z

For the interval beginning: 81/ 7/ 1

	Value	Error	Correlation Matrix:		
X	-1324210833.9	2.5	1.000		
Y	-5332023252.3	9.9	.654	1.000	
Z	3232118385.6	7.5	-.660	-.899	1.000
(mm)			X	Y	Z

For the interval beginning: 82/ 1/ 1

	Value	Error	Correlation Matrix:		
X	-1324210841.4	2.9	1.000		
Y	-5332023265.7	11.9	.474	1.000	
Z	3232118396.5	9.2	-.587	-.878	1.000
(mm)			X	Y	Z

For the interval beginning: 82/ 7/ 1

	Value	Error	Correlation Matrix:		
X	-1324210836.1	2.4	1.000		
Y	-5332023235.7	8.4	.666	1.000	
Z	3232118388.3	6.6	-.688	-.892	1.000
(mm)			X	Y	Z

For the interval beginning: 83/ 1/ 1

	Value	Error	Correlation Matrix:		
X	-1324210835.0	2.5	1.000		
Y	-5332023211.2	10.3	.582	1.000	
Z	3232118368.2	10.0	-.677	-.891	1.000
(mm)			X	Y	Z

For the interval beginning: 83/ 7/ 1

	Value	Error	Correlation Matrix:		
X	-1324210839.3	2.0	1.000		
Y	-5332023228.2	8.5	.701	1.000	
Z	3232118389.7	8.4	-.691	-.922	1.000
(mm)			X	Y	Z

For the interval beginning: 84/ 1/ 1

	Value	Error	Correlation Matrix:		
X	-1324210833.6	2.1	1.000		
Y	-5332023201.2	7.5	.693	1.000	
Z	3232118364.0	5.6	-.683	-.882	1.000
(mm)			X	Y	Z

For the interval beginning: 84/ 7/ 1

	Value	Error	Correlation Matrix:		
X	-1324210832.1	1.8	1.000		
Y	-5332023175.3	6.7	.578	1.000	
Z	3232118350.3	5.2	-.568	-.868	1.000
(mm)			X	Y	Z

For the interval beginning: 85/ 1/ 1

	Value	Error	Correlation Matrix:		
X	-1324210818.9	1.3	1.000		
Y	-5332023172.7	4.6	.665	1.000	
Z	3232118363.5	3.4	-.664	-.859	1.000
(mm)			X	Y	Z

For the interval beginning: 85/ 7/ 1

	Value	Error	Correlation Matrix:		
X	-1324210812.5	1.5	1.000		
Y	-5332023158.1	5.0	.683	1.000	
Z	3232118355.6	3.8	-.680	-.867	1.000
(mm)			X	Y	Z

For the interval beginning: 86/ 1/ 1

	Value	Error	Correlation Matrix:		
X	-1324210815.1	1.3	1.000		
Y	-5332023164.0	4.1	.675	1.000	
Z	3232118357.1	3.2	-.668	-.844	1.000
(mm)			X	Y	Z

For the interval beginning: 86/ 7/ 1

	Value	Error	Correlation Matrix:		
X	-1324210821.1	1.2	1.000		
Y	-5332023162.8	3.8	.671	1.000	
Z	3232118350.1	3.2	-.690	-.836	1.000
(mm)			X	Y	Z

For the interval beginning: 87/ 1/ 1

	Value	Error	Correlation Matrix:		
X	-1324210822.8	1.0	1.000		
Y	-5332023143.9	3.2	.640	1.000	
Z	3232118339.6	2.5	-.692	-.811	1.000
(mm)			X	Y	Z

For the interval beginning: 87/ 7/ 1

	Value	Error	Correlation Matrix:		
X	-1324210824.3	1.1	1.000		
Y	-5332023148.3	3.3	.610	1.000	
Z	3232118339.4	2.6	-.682	-.819	1.000
(mm)			X	Y	Z

For the interval beginning: 88/ 1/ 1

	Value	Error	Correlation Matrix:		
X	-1324210825.3	.9	1.000		
Y	-5332023160.7	2.6	.522	1.000	
Z	3232118346.0	2.2	-.647	-.772	1.000
(mm)			X	Y	Z

For the interval beginning: 88/ 7/ 1

	Value	Error	Correlation Matrix:		
X	-1324210828.9	.7	1.000		
Y	-5332023164.9	2.1	.341	1.000	
Z	3232118350.2	2.0	-.575	-.720	1.000
(mm)			X	Y	Z

Table 4.2 (continued)

For the interval beginning: 89/ 1/ 1

	Value	Error	Correlation Matrix:		
X	-1324210828.9	.7	1.000		
Y	-5332023169.1	2.0	.286	1.000	
Z	3232118355.7	2.0	-.565	-.698	1.000
(mm)			X	Y	Z

For the interval beginning: 90/ 7/ 1

	Value	Error	Correlation Matrix:		
X	-1324210828.9	1.0	1.000		
Y	-5332023154.7	3.3	.457	1.000	
Z	3232118347.2	2.4	-.586	-.785	1.000
(mm)			X	Y	Z

Table 4.3
Site Velocities in Topocentric Reference Frames

Site Monument	Total Rates East mm/yr	Total Rates North mm/yr	Total Rates Up mm/yr	Relative to NUVEL East mm/yr	Relative to NUVEL North mm/yr	Relative to NUVEL Up mm/yr	Total Rates Hor mm/yr	Total Rates Az deg	Rel. to NUVEL Hor mm/yr	Rel. to NUVEL Az deg	Error Ellipsoid Amp mm/yr	Error Ellipsoid Az deg	Error Ellipsoid Elev deg
ALGOPARK	-17.4	2.5	.3	.4	-.8	.3	17.5	278.2	.9	152.8	1.5	250.0	83.8
7282	.3	.3	1.5				.3	1.1	.3	22.4	.3	353.7	1.5
											.3	83.9	6.0
AUSTINTX	-12.7	-4.9	.0	.0	.0	.0	13.6	249.0	.0	.0	.0	.0	.0
7271	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
BERMUDA	-12.8	8.7	.0	.0	.0	.0	15.5	304.3	.0	.0	.0	.0	.0
7294	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
BLKBUTTE	-21.8	-9.4	-15.1	-9.4	2.6	-15.1	23.7	246.8	9.8	285.3	9.2	165.3	88.4
7269	.9	1.3	9.2				.9	3.1	1.0	7.2	1.3	350.1	1.5
											.9	80.1	-.1
BLOOMIND	-15.9	-.2	.0	.0	.0	.0	15.9	269.2	.0	.0	.0	.0	.0
7291	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
BREST	17.9	16.4	.0	.0	.0	.0	24.3	47.5	.0	.0	.0	.0	.0
7604	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
CARNUSTY	16.4	16.2	.0	.0	.0	.0	23.1	45.4	.0	.0	.0	.0	.0
7603	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
CARROLGA	-14.1	.4	.0	.0	.0	.0	14.1	271.5	.0	.0	.0	.0	.0
7228	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
CHLBOLTN	18.0	16.1	.0	.0	.0	.0	24.1	48.2	.0	.0	.0	.0	.0
7215	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
DEADMANL	-21.9	-8.9	65.0	-9.4	3.2	65.0	23.7	247.9	10.0	288.9	24.9	184.2	87.0
7267	2.9	4.1	24.8				3.2	9.1	2.8	23.4	3.9	12.3	3.0
											2.8	102.2	-.4
DSS15	-18.7	-5.4	-16.2	-6.0	7.0	-16.1	19.5	254.0	9.2	319.2	10.3	33.2	85.5
7231	2.2	2.9	10.3				2.4	8.1	2.4	17.4	2.9	15.8	-4.3
											2.1	105.9	-1.3
DSS45	18.7	39.7	-23.5	3.6	16.6	-23.4	43.9	25.2	17.0	12.2	8.1	18.6	67.7
1642	4.2	4.7	7.6				4.6	5.6	4.7	14.3	4.3	126.1	7.1
											3.8	38.9	-21.1
DSS65	20.7	14.5	5.8	1.2	-1.9	5.8	25.2	55.0	2.2	147.7	5.2	9.3	83.1
1665	1.2	1.3	5.1				1.1	3.1	1.4	28.7	1.3	319.5	-4.5
											1.0	49.9	-5.2
EFLSBERG	17.1	12.6	.1	-2.8	-2.5	.1	21.2	53.6	3.7	228.5	8.1	295.4	80.7
7203	2.5	1.8	8.0				2.0	6.5	1.9	38.1	2.3	110.0	9.2
											1.6	20.1	-.9
ELY	-20.2	-11.5	-7.4	-6.1	.1	-7.4	23.2	240.3	6.1	270.8	6.2	163.7	88.0
7286	.7	.9	6.2				.7	2.2	.7	8.7	.9	350.5	2.0
											.7	80.4	-.2
FLAGSTAF	-17.1	-10.3	8.3	-3.8	.1	8.4	19.9	239.0	3.8	272.3	6.6	126.7	89.9
7261	.7	1.0	6.6				.8	2.7	.7	14.6	1.0	352.9	.1
											.7	82.9	-.1

Table 4.3 (continued)

Site Monument	Total Rates East mm/yr	Total Rates North mm/yr	Total Rates Up mm/yr	Relative to NUVEL East mm/yr	Relative to NUVEL North mm/yr	Relative to NUVEL Up mm/yr	Total Rates Hor mm/yr	Total Rates Az deg	Rel. to NUVEL Hor mm/yr	Rel. to NUVEL Az deg	Error Ellipsoid Amp mm/yr	Error Ellipsoid Az deg	Error Ellipsoid Elev deg
FORT ORD	-44.8	22.5	3.2	-4.5	-3.0	3.1	50.1	296.7	5.4	236.1	7.8	160.9	89.1
7266	.8	1.1	7.8				.9	1.2	.9	11.2	1.1	351.4	.9
											.8	81.4	-.2
FORTORDS	-44.9	22.5	3.2	-4.5	-3.0	3.2	50.2	296.7	5.4	236.1	7.8	159.2	89.1
7241	.8	1.1	7.8				.9	1.2	.9	11.2	1.1	351.4	.8
											.8	81.4	-.2
FTD 7900	-12.5	-7.4	.0	.0	.0	.0	14.5	239.3	.0	.0	.0	.0	.0
7900	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
GILCREEK	-14.3	-21.3	-3.1	-3.5	-.2	-3.0	25.6	213.9	3.5	266.6	1.1	93.8	68.6
7225	.4	.5	1.0				.5	1.0	.4	7.8	.5	.4	1.3
											.2	89.9	-21.4
GOLDVENU	-20.9	-6.2	-4.5	-8.2	6.1	-4.4	21.8	253.5	10.2	306.7	1.6	51.1	85.2
1513	.4	.4	1.6				.4	1.1	.4	2.4	.4	351.1	-2.4
											.4	81.2	-4.2
GORF7102	-15.7	3.8	.0	.0	.0	.0	16.1	283.7	.0	.0	.0	.0	.0
7102	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
GRASSE	21.0	15.0	.0	.0	.0	.0	25.8	54.4	.0	.0	.0	.0	.0
7605	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
HALEAKAL	-68.3	32.1	-.3	-7.3	-1.6	-.4	75.4	295.1	7.5	257.8	1.0	132.5	3.3
7120	.8	.8	.1				.9	.5	.8	6.6	.6	42.5	1.1
											.0	294.7	86.5
HARTRAO	7.8	15.9	6.8	-13.8	-5.1	6.9	17.7	26.2	14.8	249.6	4.3	323.4	52.5
7232	3.0	2.9	3.6				2.8	9.8	2.9	11.6	2.9	57.4	3.1
											1.9	149.8	37.3
HATCREEK	-23.4	-8.4	-5.0	-9.9	5.6	-4.9	24.9	250.4	11.4	299.5	1.1	89.1	81.8
7218	.3	.3	1.1				.3	.8	.3	1.6	.3	345.9	1.9
											.3	75.7	-8.0
HAYSTACK	-16.2	6.1	-1.0	.3	.1	-1.0	17.3	290.7	.3	69.4	.4	314.8	86.3
7205	.1	.2	.4				.1	.5	.1	28.7	.2	5.1	-2.4
											.1	95.0	2.9
HOBART26	8.1	13.1	-21.1	.1	-11.1	-21.0	15.4	31.8	11.1	179.7	17.4	13.9	78.5
7242	7.0	8.5	17.1				8.1	27.7	8.5	36.1	7.9	350.6	-10.6
											6.9	81.4	-4.4
HOHENFRG	20.1	14.5	.0	.0	.0	.0	24.8	54.2	.0	.0	.0	.0	.0
7600	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
JPL MV1	-41.5	7.6	-.4	.4	-16.5	-.5	42.1	280.4	16.5	178.7	5.5	175.9	88.9
7263	.6	.7	5.5				.6	1.0	.7	1.9	.7	350.7	1.1
											.6	80.7	.1
KASHIM34	-8.2	-16.0	-9.5	-16.9	1.5	-9.5	17.9	207.0	17.0	275.0	2.0	14.0	51.1
1857	1.1	1.4	1.6				1.4	3.8	1.1	4.8	1.2	120.3	12.8
											.7	39.8	-36.0
KASHIMA	-8.2	-16.0	-9.5	-16.9	1.5	-9.5	17.9	207.0	17.0	275.0	2.0	14.0	51.1
1856	1.1	1.4	1.6				1.4	3.8	1.1	4.8	1.2	120.3	12.8
											.7	39.8	-36.0

Table 4.3 (continued)

Site Monument	Total Rates East mm/yr	Total Rates North mm/yr	Total Rates Up mm/yr	Relative to NUVEL East mm/yr	Relative to NUVEL North mm/yr	Relative to NUVEL Up mm/yr	Total Rates Hor mm/yr	Total Rates Az deg	Rel. to NUVEL Hor mm/yr	Rel. to NUVEL Az deg	Error Ellipsoid Amp mm/yr	Error Ellipsoid Az deg	Error Ellipsoid Elev deg
KAUAI	-68.3	32.1	.0	-7.3	-1.7	.0	75.5	295.1	7.5	256.6	1.0	131.3	.0
1311	.8	.8	.0				.9	.5	.8	6.6	.6	41.3	.0
											.0	.0	.0
KODIAK	-19.2	-14.8	9.3	-10.5	7.2	9.4	24.2	232.4	12.8	304.5	7.1	152.2	88.8
7278	.9	1.0	7.1				.9	2.3	.9	4.1	1.0	342.7	1.2
											.9	72.7	-.2
KWAJAL26	-76.4	21.8	-2.3	-8.0	-7.5	-2.4	79.4	286.0	11.0	226.8	5.0	15.1	80.6
4968	1.6	2.1	4.9				1.7	1.4	1.7	10.2	2.0	340.7	-7.8
											1.5	71.4	-5.3
LEONRDOK	-14.7	-4.1	.0	.0	.0	.0	15.2	254.4	.0	.0	.0	.0	.0
7292	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
MAMMOTHL	-28.0	-3.4	-25.8	-14.9	9.7	-25.8	28.2	263.1	17.8	302.9	14.6	180.8	88.3
7259	1.5	2.2	14.6				1.5	4.6	1.9	6.1	2.2	345.5	1.6
											1.5	75.5	.4
MARCUS	-70.2	24.6	.0	.0	.0	.0	74.4	289.3	.0	.0	.0	.0	.0
7310	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
MARPOINT	-16.3	4.2	-4.8	-.8	.6	-4.8	16.8	284.6	1.0	306.5	2.2	143.1	89.8
7217	.3	.5	2.2				.3	1.6	.4	25.0	.5	7.1	.1
											.3	97.1	-.1
MATERA	23.0	13.4	.0	.0	.0	.0	26.6	59.8	.0	.0	.0	.0	.0
7243	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
MCD 7850	-12.5	-7.5	.0	.0	.0	.0	14.6	239.2	.0	.0	.0	.0	.0
7850	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
MEDICINA	20.3	13.6	2.0	-1.5	-.7	2.0	24.4	56.3	1.6	243.1	2.5	304.6	80.6
7230	.9	.9	2.5				.9	2.1	.9	31.6	.9	35.0	.1
											.8	125.0	9.4
METSHOVI	21.3	11.8	.0	.0	.0	.0	24.4	61.0	.0	.0	.0	.0	.0
7601	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
MILESMON	-17.0	-8.2	.0	.0	.0	.0	18.9	244.4	.0	.0	.0	.0	.0
7038	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
MIYAZAKI	.7	-18.7	-17.1	-21.1	-3.2	-17.0	18.7	177.9	21.4	261.4	44.4	39.0	87.5
7312	8.7	12.7	44.4				12.8	26.3	8.3	34.8	13.1	340.2	-1.3
											7.9	70.3	-2.1
MOJ 7288	-19.8	-4.9	-7.0	-7.1	7.5	-6.9	20.4	256.2	10.3	316.6	.8	71.9	74.7
7288	.3	.3	.8				.3	.8	.3	1.4	.3	337.9	1.1
											.2	67.6	-15.3
MOJAVE12	-19.8	-4.9	-7.0	-7.1	7.5	-6.9	20.4	256.2	10.3	316.6	.8	71.9	74.7
7222	.3	.3	.8				.3	.8	.3	1.4	.3	337.9	1.1
											.2	67.6	-15.3
MON PEAK	-46.3	13.2	-10.1	-3.6	-10.2	-10.1	48.1	285.9	10.8	199.2	3.2	120.2	88.9
7274	.4	.5	3.2				.4	.5	.5	2.1	.5	357.9	.6
											.4	87.9	-1.0

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Table 4.3 (continued)

Site Monument	Total Rates East mm/yr	North mm/yr	Up mm/yr	Relative to NUVEL East mm/yr	North mm/yr	Up mm/yr	Total Rates Hor mm/yr	Az deg	Rel. to NUVEL Hor mm/yr	Az deg	Error Ellipsoid Amp mm/yr	Az deg	Elev deg
NOBEY 6M	9.2	-16.8	.0	.0	.0	.0	19.2	151.4	.0	.0	.0	.0	.0
7244	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
NOME	-4.7	-26.9	5.8	-.2	-3.3	5.8	27.3	189.9	3.3	184.2	5.8	88.9	88.5
7279	.9	.9	5.8				.9	1.9	.9	15.1	.9	333.8	.6
											.8	63.8	-1.4
NOTO	15.1	21.5	11.4	-8.0	7.8	11.4	26.2	35.0	11.2	314.2	5.5	337.2	84.6
7547	1.6	1.4	5.5				1.6	3.2	1.4	8.3	1.6	66.0	-.1
											1.3	335.9	-5.4
NRAO 140	-16.6	3.5	-4.2	-1.0	.9	-4.2	17.0	281.8	1.4	311.6	1.2	298.0	87.5
7204	.2	.3	1.2				.2	1.0	.3	11.3	.3	.4	-1.2
											.2	90.3	2.2
NRAO85 3	-13.8	4.1	13.5	1.8	1.5	13.5	14.4	286.4	2.3	49.5	3.7	260.1	85.7
7214	1.0	1.1	3.7				1.0	4.1	1.0	26.4	1.1	340.5	-.7
											.9	70.5	4.2
OCOTILLO	-12.1	-12.0	.0	.0	.0	.0	17.0	225.4	.0	.0	.0	.0	.0
7270	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
ONSALA60	16.1	10.2	.8	-3.4	-4.1	.7	19.0	57.7	5.3	220.2	1.2	301.0	64.7
7213	.6	.7	1.1				.6	1.9	.7	6.3	.7	24.2	-3.2
											.2	112.7	25.1
OVR 7853	-22.6	-5.0	-7.7	-9.6	7.9	-7.6	23.2	257.6	12.4	309.4	1.2	69.9	80.3
7853	.3	.3	1.1				.3	.9	.3	1.5	.4	340.6	-.1
											.2	70.7	-9.7
OVRO 130	-22.6	-5.0	-7.7	-9.6	7.9	-7.6	23.2	257.6	12.4	309.4	1.2	69.8	80.3
7207	.3	.3	1.1				.3	.9	.3	1.5	.4	340.6	-.1
											.2	70.7	-9.7
PBLOSSOM	-32.1	4.8	-16.3	9.4	-19.2	-16.4	32.4	278.5	21.4	154.0	8.4	164.8	88.4
7254	.8	1.2	8.3				.9	2.1	1.2	2.4	1.2	356.2	1.6
											.8	86.2	-.3
PENTICTN	-16.9	-11.5	21.0	-1.1	1.8	21.0	20.4	235.7	2.1	328.6	8.9	214.3	88.8
7283	.9	1.0	8.9				.9	2.7	1.0	24.2	1.0	342.4	.8
											.9	72.4	1.0
PIETOWN	-16.8	-8.1	-10.6	-3.4	.9	-10.5	18.7	244.2	3.6	285.1	2.1	22.9	86.3
7234	.5	.6	2.1				.5	1.8	.5	9.1	.6	336.3	-2.5
											.5	66.4	-2.7
PINFLATS	-32.8	4.7	-7.7	-20.5	16.8	-7.7	33.1	278.1	26.5	309.4	5.5	109.6	89.3
7256	.6	.7	5.5				.6	1.3	.7	1.5	.8	349.6	.4
											.6	79.6	-.6
PLATTVIL	-18.0	-8.9	-3.4	-2.5	-1.1	-3.4	20.0	243.7	2.8	245.8	3.5	206.8	88.7
7258	.4	.5	3.5				.5	1.4	.5	10.4	.5	7.4	1.3
											.4	97.4	.4
PRESIDIO	-35.6	10.9	-8.4	3.7	-15.0	-8.5	37.2	286.9	15.4	166.2	6.0	149.3	89.0
7252	.7	.9	6.0				.7	1.4	.9	2.6	.9	357.9	.9
											.7	87.9	-.5
PT REYES	-39.6	19.5	-1.8	-.4	-6.5	-1.9	44.1	296.2	6.5	183.6	5.8	182.9	89.2
7251	.7	.9	5.8				.7	1.1	.9	5.8	.9	358.1	.8
											.7	88.1	.1

Table 4.3 (continued)

Site Monument	Total Rates East mm/yr	Total Rates North mm/yr	Total Rates Up mm/yr	Relative to NUVEL East mm/yr	Relative to NUVEL North mm/yr	Relative to NUVEL Up mm/yr	Total Rates Hor mm/yr	Total Rates Az deg	Rel. to NUVEL Hor mm/yr	Rel. to NUVEL Az deg	Error Ellipsoid Amp mm/yr	Error Ellipsoid Az deg	Error Ellipsoid Elev deg
PVERDES	-42.1	14.9	-14.1	.2	-9.4	-14.1	44.6	289.5	9.4	178.5	8.7	190.1	89.1
7268	.9	1.1	8.7				.9	1.4	1.1	5.3	1.1	.8	.9
											.9	90.8	.2
QUINCY	-25.5	-7.3	-9.3	-12.1	6.4	-9.2	26.5	254.0	13.7	298.0	3.6	154.6	88.9
7221	.5	.6	3.6				.5	1.2	.5	2.2	.6	353.5	1.1
											.5	83.5	-.4
RICHMOND	-11.3	2.2	.0	.0	-.1	.0	11.5	281.3	.1	201.1	.1	21.1	-9.3
7219	.1	.1	.0				.0	.7	.1	.1	.0	.0	.0
											.0	.0	.0
ROBLED32	20.7	14.5	5.8	1.2	-1.9	5.8	25.2	55.0	2.2	147.8	5.2	9.3	83.1
1561	1.2	1.3	5.1				1.1	3.1	1.4	28.7	1.3	319.5	-4.5
											1.0	49.9	-5.2
SANPAULA	-42.9	11.8	3.3	-1.0	-12.7	3.2	44.4	285.4	12.7	184.6	8.5	161.9	88.7
7255	.9	1.1	8.5				.9	1.4	1.1	3.9	1.1	347.9	1.3
											.8	77.9	-.1
SEATTLE1	-15.6	-12.0	-25.2	-.6	2.2	-25.1	19.7	232.3	2.2	344.2	15.5	106.0	85.4
7229	2.6	2.1	15.4				2.4	6.7	2.1	64.7	2.3	76.3	-4.0
											2.0	346.4	2.2
SESHAN25	25.1	-19.7	-15.8	1.9	-5.8	-15.8	32.0	128.1	6.1	162.3	5.4	39.9	79.4
7227	2.0	2.3	5.4				2.1	4.0	2.3	19.5	2.2	345.4	-6.2
											1.9	76.4	-8.6
SEST	-1.6	9.9	.0	.0	.0	.0	10.0	351.0	.0	.0	.0	.0	.0
7239	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
SHANGHAI	25.2	-19.7	-15.8	1.9	-5.8	-15.8	32.0	128.1	6.1	161.8	5.4	39.6	79.6
7226	2.0	2.3	5.4				2.1	4.0	2.3	19.4	2.2	345.6	-6.2
											1.9	76.5	-8.4
SNDPOINT	-17.1	-23.3	-4.7	-11.2	-.2	-4.6	28.9	216.2	11.2	268.9	8.0	142.6	88.7
7280	1.0	1.1	8.0				1.0	2.2	1.0	5.6	1.1	337.0	1.3
											1.0	67.0	-.3
SOURDOGH	-19.5	-25.4	-6.6	-8.2	-4.7	-6.6	32.0	217.6	9.5	240.4	10.2	46.5	89.7
7281	1.1	1.2	10.2				1.2	2.0	1.1	6.9	1.2	12.5	-.2
											1.1	102.5	-.2
TITIJIMA	-14.9	12.6	85.1	56.9	-6.7	85.1	19.5	310.2	57.3	96.7	73.9	15.2	84.3
7844	22.4	16.1	73.6				19.1	58.6	22.1	16.5	22.4	85.1	-2.0
											14.4	354.9	-5.4
TROMSONO	18.0	12.9	.0	.0	.0	.0	22.1	54.3	.0	.0	.0	.0	.0
7602	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
TSUKUBA	-5.2	-18.0	-30.4	-14.1	-.7	-30.3	18.7	196.2	14.2	267.3	10.9	113.1	89.8
7311	2.6	2.9	10.9				2.8	8.1	2.6	11.6	2.9	353.1	.1
											2.6	83.1	-.2
VERNAL	-16.0	-10.1	4.4	-1.0	-.4	4.4	18.9	237.9	1.1	247.5	7.7	204.5	88.5
7290	.8	1.2	7.7				1.0	3.3	.9	57.2	1.2	2.2	1.4
											.8	92.2	.6
VICTORIA	-14.9	-14.6	.0	.0	.0	.0	20.9	225.5	.0	.0	.0	.0	.0
7289	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0

Table 4.3 (continued)

Site Monument	Total Rates East mm/yr	North mm/yr	Up mm/yr	Relative to NUVEL East mm/yr	North mm/yr	Up mm/yr	Total Rates Hor mm/yr	Az deg	Rel. to NUVEL Hor mm/yr	Az deg	Error Ellipsoid Amp mm/yr	Az deg	Elev deg
VNDNBERG	-45.0	21.8	-2.9	-2.9	-3.3	-3.0	50.0	295.9	4.4	221.2	1.2	68.4	82.3
7223	.3	.3	1.1				.3	.4	.3	4.5	.3	334.0	.6
											.3	63.9	-7.7
WESTFORD	-16.5	6.0	.0	.0	.0	.0	17.5	290.0	.0	.0	.0	.0	.0
7209	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
											.0	.0	.0
WETTZELL	17.9	10.6	-2.6	-3.3	-3.5	-2.7	20.8	59.4	4.8	223.9	1.2	303.1	61.5
7224	.6	.8	1.1				.7	1.9	.8	7.5	.8	28.8	-2.3
											.2	117.5	28.4
WHTHORSE	-23.4	-18.6	-12.8	-9.2	-.4	-12.7	29.9	231.6	9.2	267.3	10.1	237.4	89.4
7284	1.1	1.3	10.1				1.2	2.3	1.1	7.9	1.3	4.0	.3
											1.1	94.0	.4
YAKATAGA	-34.0	11.0	36.3	-22.0	31.0	36.4	35.7	287.9	38.0	324.6	10.5	144.6	89.4
7277	1.2	1.3	10.5				1.2	2.1	1.2	1.9	1.3	20.4	.3
											1.2	110.4	-.5
YELLOWKN	-9.8	-6.0	50.9	9.4	5.5	50.9	11.5	238.7	10.9	59.5	56.3	28.3	89.0
7285	4.6	7.1	56.3				5.0	34.3	5.0	36.3	7.1	350.2	-.8
											4.5	80.2	-.6
YUMA	-16.4	-11.9	4.6	-4.0	-.5	4.7	20.2	234.1	4.1	262.9	6.2	151.1	89.2
7894	.6	.9	6.2				.7	2.3	.6	12.5	.9	356.1	.8
											.6	86.1	-.4

5.0 Site Positions by Year from GLB753

Tables 5.1 through 5.14 give the Cartesian coordinates for each site on January 1.5 from 1979 through 1992 in the VLBI reference frame. All length units are millimeters. The errors are one-sigma standard statistical errors propagated to the epoch of the table. These errors do not change for a site whose velocity was not adjusted. WESTFORD is the reference station which defines the coordinate system origin.

The positions for YAKATAGA and SOURDOGH do not take into account any discontinuous motion associated with the series of earthquakes in the Gulf of Alaska during the winter of 1987-88. They are based on the positions of this sites prior to the earthquakes extrapolated to the site reference epoch, January 1, 1988. Similarly, the positions of PRESIDIO and FORTORDS do not take into account any discontinuous motion associated with the October 1989 Loma Prieta earthquake. The method used to determine positions and velocities at these sites is described in greater detail in the text.

Table 5.1 Site Positions at January 1.5, 1979

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918035120.0	3.3	-4346132244.9	12.6	4561971061.3	12.0
AUSTINTX	7271	-737793560.8	3.6	-5459892287.8	15.9	3202990476.7	9.4
BERMUDA	7294	2307209737.0	4.7	-4874215834.4	10.6	3394317741.8	6.9
BLKBUTTE	7269	-2306306678.6	28.4	-4787914614.8	58.6	3515736549.3	41.6
BLOOMIND	7291	302384722.3	11.9	4941699048.3	35.6	4007908425.3	29.1
BREST	7604	4228877364.8	8.7	-333104517.4	2.5	4747180734.9	9.8
CARNUSTY	7603	3526416656.6	11.3	-171421416.3	3.7	5294098625.4	15.5
CARROLGA	7228	453520880.7	9.4	-5300506779.3	34.9	3507207371.2	21.4
CHLBOLTN	7215	4008310323.8	8.4	-100651070.2	4.4	4943794550.2	10.9
DEADMANL	7267	-2336819127.5	86.1	-4732586635.1	166.7	3570329716.5	115.7
DSS15	7231	-2353538524.8	38.0	-4641649729.3	73.1	3676670125.8	66.2
DSS45	1642	-4460935002.8	80.6	2682765898.8	53.7	-3674382020.5	45.5
DSS65	1665	4849336850.8	37.1	-360489157.4	11.8	4114748496.3	39.6
EFLSBERG	7203	4033947756.2	13.4	486990208.9	7.7	4900430585.6	19.0
ELY	7286	-2077236007.8	19.8	-4486712817.1	42.6	4018753854.9	35.8
FLAGSTAF	7261	-1923992360.6	18.6	-4850854512.2	45.2	3658589316.1	34.1
FORT ORD	7266	-2697026352.3	27.6	-4354393657.8	44.7	3788077416.7	38.2
FORTORDS	7241	-2699839819.8	37.0	-4359127413.2	59.5	3781050808.8	50.8
FTD 7900	7900	-1324227699.7	3.6	-5332063073.2	12.6	3232023074.2	7.5
GILCREEK	7225	-2281546829.5	4.1	-1453645107.0	5.7	5756993326.7	8.5
GOLDVENU	1513	-2351128836.6	4.9	-4655477207.9	10.1	3660956963.2	8.8
GORF7102	7102	1130686857.1	2.9	-4831353038.3	10.0	3994110817.6	8.4
GRASSE	7605	4581697950.0	6.5	556125410.2	2.2	4389351193.2	7.1
HALEAKAL	7120	-5465998249.2	14.5	-2404409207.1	9.8	2242228195.1	9.6
HARTRAO	7232	5085442690.6	44.7	2668263253.3	27.3	-2768697356.4	21.4
HATCREEK	7218	-2523969617.7	4.0	-4123506497.3	8.1	4147752669.9	7.7
HAYSTACK	7205	1492405098.6	1.4	-4457266526.4	3.2	4296881634.4	3.4
HOBART26	7242	-3950236490.5	154.9	2522347663.4	109.0	-4311563097.1	127.4
HOHENFRG	7600	3778215188.8	5.3	698644456.6	1.9	5074053385.2	7.1
JPL MV1	7263	-2493305555.8	17.4	-4655197856.7	32.1	3565519268.2	24.1
KASHIM34	1857	-3997649242.9	11.9	3276690656.6	7.8	3724279151.2	17.9
KASHIMA	1856	-3997892263.0	11.1	3276581162.4	7.1	3724118546.2	17.3
KAUAI	1311	-5543845821.7	4.3	-2054564833.7	7.1	2387813565.3	7.2
KODIAK	7278	-3026939826.4	33.9	-1575911919.7	19.8	5370362503.9	57.5
KWAJAL26	4968	-6143536672.5	36.3	1363996519.4	13.7	1034707274.1	20.7
LEONRDOK	7292	-522231318.6	3.7	-5145676901.8	18.6	3720152342.8	12.3
MAMMOTHL	7259	-2448246485.1	40.7	-4426738598.0	71.9	3875436021.6	60.2
MARCUS	7310	-5227447155.6	15.7	2551378628.2	9.0	2607604590.2	12.9
MARPOINT	7217	1106629660.7	4.8	-4882907229.9	16.3	3938086889.8	13.5
MATERA	7243	4641939162.1	5.6	1393002678.1	2.7	4133325293.8	6.4
MCD 7850	7850	-1330007906.8	2.7	-5328391593.3	10.1	3236502754.2	6.2
MEDICINA	7230	4461370312.6	18.2	919596486.5	8.3	4449558944.5	20.2
METSHOVI	7601	2890653111.5	7.7	1310295049.8	4.3	5513958531.8	12.7
MILESMON	7038	-1204438708.1	9.2	-4239211127.0	29.1	4596266089.9	29.3
MIYAZAKI	7312	-3582767813.1	249.1	4052034029.2	255.1	3369020896.8	250.3
MOJ 7288	7288	-2356493834.6	6.0	-4646607830.7	12.3	3668426682.0	9.7
MOJAVE12	7222	-2356170712.9	1.8	-4646756035.0	6.0	3668470665.6	5.4
MON PEAK	7274	-2386288969.1	10.2	-4802346925.8	20.8	3444883905.6	15.0
NOBEY 6M	7244	-3871168061.9	10.3	3428273961.1	9.1	3723697854.1	11.4
NOME	7279	-2658150066.8	21.8	-693821930.3	10.3	5737236697.1	46.2
NOTO	7547	4934563391.0	44.7	1321200991.1	18.7	3806484052.1	41.0
NRAO 140	7204	882880241.2	1.9	-4924482348.4	6.9	3944130595.4	6.0
NRAO85 3	7214	882325872.7	10.9	-4925137892.2	33.3	3943397465.5	26.7
OCOTILLO	7270	-2335600860.5	12.7	-4832244272.5	25.9	3434392600.1	18.4
ONSALA60	7213	3370606323.8	6.8	711917216.7	4.2	5349830546.1	9.9

Table 5.1 (continued)

Site Mon.		X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410420930.2	5.2	-4477800570.4	10.9	3838690382.7	9.4
OVRO 130	7207	-2409600451.4	2.5	-4478349706.9	7.2	3838603277.0	6.7
PBLOSSOM	7254	-2464070606.3	25.0	-4649425938.6	47.1	3593905732.5	35.2
PENTICTN	7283	-2058840046.0	30.5	-3621286344.0	51.4	4814420673.7	65.3
PIETOWN	7234	-1640953390.2	7.3	-5014816134.3	17.5	3575412012.8	14.6
PINFLATS	7256	-2369635591.3	17.4	-4761325164.0	35.3	3511116129.5	26.1
PLATTVIL	7258	-1240707835.9	7.3	-4720454405.0	23.4	4094481707.6	19.8
PRESIDIO	7252	-2707704517.1	29.4	-4257609900.9	46.2	3888374108.8	41.3
PT REYES	7251	-2732332739.6	24.3	-4217635234.8	36.6	3914490910.8	33.7
PVERDES	7268	-2525452423.8	35.2	-4670036058.3	63.2	3522886706.1	46.9
QUINCY	7221	-2517230577.3	13.6	-4198595406.2	22.6	4076531374.2	21.3
RICHMOND	7219	961258300.5	.7	-5674090047.9	1.5	2740533683.2	1.3
ROBLED32	1561	4849245407.6	51.1	-360278487.9	12.9	4114884271.4	44.7
SANPAULA	7255	-2554476225.1	33.5	-4608627647.7	60.9	3582138181.3	45.6
SEATTLE1	7229	-2295347772.8	54.2	-3638029639.7	105.2	4693408923.6	118.9
SESHAN25	7227	-2831686441.5	34.0	4675733932.8	38.8	3275328086.4	39.4
SEST	7239	1838237884.1	9.3	-5258699120.6	16.9	-3100589018.0	8.9
SHANGHAI	7226	-2847697962.6	125.8	4659873004.8	110.2	3283959156.3	100.6
SNDPOINT	7280	-3425461591.4	44.8	-1214669275.8	19.4	5223858441.0	65.7
SOURDOGH	7281	-2419993100.0	40.5	-1664228845.2	29.2	5643538450.4	93.1
TITIJIMA	7844	-4489356239.9	484.7	3482988960.0	384.9	2887930771.6	387.3
TROMSONO	7602	2102904437.2	5.6	721602279.4	3.5	5958201194.9	12.7
TSUKUBA	7311	-3957172984.5	60.2	3310237929.9	50.9	3737709343.1	57.8
VERNAL	7290	-1631473000.6	21.8	-4589128919.9	55.0	4106759900.8	47.6
VICTORIA	7289	-2341309797.4	10.5	-3539083892.6	15.9	4745768440.5	20.4
VNDNBERG	7223	-2678094337.6	4.1	-4525451193.6	8.2	3597409980.3	7.2
WESTFORD	7209	1492206957.2	0.0	-4458130515.2	0.0	4296015400.4	0.0
WETTZELL	7224	4075540213.5	7.5	931734968.4	4.5	4801629185.3	9.8
WHTHORSE	7284	-2215213264.0	36.2	-2209261730.2	35.0	5540292695.4	85.3
YAKATAGA	7277	-2529743868.0	45.0	-1942091502.7	35.8	5505027506.0	94.2
YELLOWKN	7285	-1224124184.7	69.2	-2689530523.9	150.7	5633555026.7	316.7
YUMA	7894	-2196777624.8	18.4	-4887337073.5	40.6	3448425285.6	28.6

Table 5.2 Site Positions at January 1.5, 1980

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918035102.7	3.0	-4346132246.9	11.5	4561971063.2	10.9
AUSTINTX	7271	-737793573.8	3.6	-5459892288.5	15.9	3202990472.5	9.4
BERMUDA	7294	2307209723.5	4.7	-4874215835.7	10.6	3394317749.1	6.9
BLKBUTTE	7269	-2306306695.0	25.0	-4787914598.7	51.6	3515736533.2	36.7
BLOOMIND	7291	302384706.4	11.9	-4941699049.4	35.6	4007908425.1	29.1
BREST	7604	4228877354.0	8.7	-333104498.6	2.5	4747180745.9	9.8
CARNUSTY	7603	3526416643.9	11.3	-171421399.2	3.7	5294098634.4	15.5
CARROLGA	7228	453520866.6	9.4	-5300506780.3	34.9	3507207371.5	21.4
CHLBOLTN	7215	4008310311.7	8.4	-100651052.0	4.4	4943794560.3	10.9
DEADMANL	7267	-2336819173.1	76.2	-4732586678.0	147.7	3570329745.8	102.5
DSS15	7231	-2353538536.9	34.1	-4641649711.9	65.6	3676670112.0	59.4
DSS45	1642	-4460935015.8	73.3	2682765884.8	48.7	-3674381974.6	41.3
DSS65	1665	4849336847.4	33.5	-360489136.4	10.6	4114748511.1	35.8
EFLSBERG	7203	4033947744.6	9.7	486990224.7	5.9	4900430593.6	13.9
ELY	7286	-2077236026.8	17.7	-4486712810.1	38.1	4018753841.3	32.1
FLAGSTAF	7261	-1923992381.1	16.6	-4850854517.8	40.3	3658589312.5	30.4
FORT ORD	7266	-2697026384.6	24.3	-4354393624.9	39.3	3788077436.6	33.6
FORTORDS	7241	-2699839852.1	33.6	-4359127380.3	54.1	3781050828.8	46.2
FTD 7900	7900	-1324227712.7	3.6	-5332063073.9	12.6	3232023067.8	7.5
GILCREEK	7225	-2281546852.4	3.7	-1453645104.6	5.1	5756993315.0	7.6
GOLDVENU	1513	-2351128855.2	4.4	-4655477198.5	9.0	3660956955.6	7.8
GORF7102	7102	1130686841.3	2.9	-4831353039.5	10.0	3994110820.6	8.4
GRASSE	7605	4581697937.2	6.5	556125429.8	2.2	4389351204.1	7.1
HALEAKAL	7120	-5465998266.1	14.4	-2404409139.9	9.2	2242228225.0	9.1
HARTRAO	7232	5085442698.5	40.5	2668263266.3	24.6	-2768697345.1	19.3
HATCREEK	7218	-2523969638.5	3.6	-4123506486.6	7.2	4147752660.4	7.0
HAYSTACK	7205	1492405081.7	1.3	-4457266526.9	2.9	4296881638.2	3.0
HOBART26	7242	-3950236489.3	141.2	2522347653.0	99.3	-4311563073.2	116.1
HOHENFRG	7600	3778215173.8	5.3	698644474.2	1.9	5074053393.9	7.1
JPL MV1	7263	-2493305590.1	15.2	-4655197833.1	28.2	3565519274.2	21.2
KASHIM34	1857	-3997649239.0	10.7	3276690663.9	7.0	3724279132.7	16.0
KASHIMA	1856	-3997892259.2	9.9	3276581169.8	6.3	3724118527.7	15.4
KAUAI	1311	-5543845834.1	4.0	-2054564765.6	6.3	2387813595.0	6.6
KODIAK	7278	-3026939850.7	30.5	-1575911910.7	17.8	5370362503.9	51.6
KWAJAL26	4968	-6143536650.2	31.7	1363996592.7	12.0	1034707295.3	18.4
LEONRDOK	7292	-522231333.4	3.7	-5145676902.7	18.6	3720152339.5	12.3
MAMMOTHL	7259	-2448246500.8	35.0	-4426738568.4	61.7	3875436003.1	51.7
MARCUS	7310	-5227447115.8	15.7	2551378686.8	9.0	2607604612.6	12.9
MARPOINT	7217	1106629643.4	4.3	-4882907227.3	14.7	3938086890.2	12.1
MATERA	7243	4641939147.2	5.6	1393002697.6	2.7	4133325304.0	6.4
MCD 7850	7850	-1330007919.8	2.7	-5328391593.9	10.1	3236502747.8	6.2
MEDICINA	7230	4461370300.6	16.5	919596504.8	7.5	4449558955.5	18.2
METSHOVI	7601	2890653093.4	7.7	1310295065.0	4.3	5513958537.6	12.7
MILESMON	7038	-1204438726.1	9.2	-4239211128.1	29.1	4596266084.2	29.3
MIYAZAKI	7312	-3582767810.6	222.5	4052034025.4	227.7	3369020871.9	223.5
MOJ 7288	7288	-2356493851.0	6.0	-4646607819.2	12.1	3668426674.0	9.5
MOJAVE12	7222	-2356170729.3	1.7	-4646756023.5	5.4	3668470657.6	4.9
MON PEAK	7274	-2386289003.6	9.0	-4802346891.3	18.4	3444883911.2	13.3
NOBEY 6M	7244	-3871168075.3	10.3	3428273960.7	9.1	3723697840.4	11.4
NOME	7279	-2658150093.8	19.4	-693821932.5	9.1	5737236690.7	41.1
NOTO	7547	4934563383.5	40.6	1321201004.6	17.0	3806484076.1	37.2
NRAO 140	7204	882880223.9	1.7	-4924482346.0	6.1	3944130595.5	5.3
NRAO85 3	7214	882325860.5	10.0	-4925137902.5	30.3	3943397477.0	24.4
OCOTILLO	7270	-2335600874.2	12.7	-4832244273.0	25.9	3434392590.0	18.4
ONSALA60	7213	3370606312.5	6.1	711917230.7	3.8	5349830552.2	8.8

Table 5.2 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410420948.7	5.0	-4477800557.0	10.3	3838690374.1	8.9
OVRO 130	7207	-2409600469.8	2.2	-4478349693.4	6.3	3838603268.4	6.0
PBLOSSOM	7254	-2464070627.1	21.7	-4649425909.4	41.0	3593905727.2	30.7
PENTICTN	7283	-2058840071.7	27.5	-3621286355.2	46.4	4814420682.1	58.9
PIETOWN	7234	-1640953404.8	6.6	-5014816125.1	15.9	3575412000.2	13.3
PINFLATS	7256	-2369635616.7	15.4	-4761325141.4	31.2	3511116129.1	23.1
PLATTVIL	7258	-1240707854.0	6.5	-4720454403.4	20.8	4094481698.7	17.6
PRESIDIO	7252	-2707704540.0	26.9	-4257609870.5	42.2	3888374112.2	37.7
PT REYES	7251	-2732332765.5	21.7	-4217635202.1	32.8	3914490925.0	30.2
PVERDES	7268	-2525452451.3	31.7	-4670036020.7	56.9	3522886710.7	42.2
QUINCY	7221	-2517230597.9	12.1	-4198595391.0	20.2	4076531362.6	19.1
RICHMOND	7219	961258289.3	.7	-5674090048.9	1.4	2740533685.2	1.3
ROBLED32	1561	4849245404.2	50.0	-360278466.9	12.4	4114884286.2	43.3
SANPAULA	7255	-2554476260.7	30.1	-4608627623.5	54.7	3582138192.9	41.0
SEATTLE1	7229	-2295347781.7	49.1	-3638029624.6	95.6	4693408896.9	107.9
SESHAN25	7227	-2831686461.3	30.8	4675733916.9	35.2	3275328061.4	35.6
SEST	7239	1838237884.2	9.3	-5258699125.6	16.9	-3100589009.3	8.9
SHANGHAI	7226	-2847697982.3	125.2	4659872988.9	109.4	3283959131.2	99.5
SNDPOINT	7280	-3425461612.6	40.4	-1214669265.2	17.5	5223858423.8	59.2
SOURDOGH	7281	-2419993127.1	36.5	-1664228840.2	26.3	5643538432.9	84.0
TITIJIMA	7844	-4489356286.1	432.6	3482989014.7	343.9	2887930821.6	345.8
TROMSONO	7602	2102904420.0	5.6	721602292.5	3.5	5958201199.4	12.7
TSUKUBA	7311	-3957172970.5	53.2	3310237924.9	44.9	3737709310.7	51.2
VERNAL	7290	-1631473019.0	19.6	-4589128923.7	49.4	4106759895.9	42.7
VICTORIA	7289	-2341309815.8	10.5	-3539083893.4	15.9	4745768430.7	20.4
VNDNBERG	7223	-2678094368.8	3.7	-4525451158.0	7.3	3597409996.6	6.5
WESTFORD	7209	1492206940.3	0.0	-4458130516.6	0.0	4296015404.9	0.0
WETTZELL	7224	4075540200.0	6.7	931734983.7	4.0	4801629190.2	8.7
WHTHORSE	7284	-2215213287.5	32.4	-2209261720.7	31.4	5540292675.2	76.5
YAKATAGA	7277	-2529743895.5	40.7	-1942091481.0	32.4	5505027542.9	85.2
YELLOWKN	7285	-1224124205.5	58.2	-2689530546.0	126.8	5633555069.0	266.6
YUMA	7894	-2196777643.9	16.2	-4887337076.2	35.8	3448425278.2	25.3

Table 5.3 Site Positions at January 1.5, 1981

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918035085.3	2.7	-4346132248.9	10.4	4561971065.2	9.8
AUSTINTX	7271	-737793586.7	3.6	-5459892289.2	15.9	3202990468.3	9.4
BERMUDA	7294	2307209709.9	4.7	-4874215837.0	10.6	3394317756.5	6.9
BLKBUTTE	7269	-2306306711.4	21.6	-4787914582.5	44.6	3515736517.0	31.7
BLOOMIND	7291	302384690.5	11.9	-4941699050.5	35.6	4007908424.9	29.1
BREST	7604	4228877343.2	8.7	-333104479.8	2.5	4747180756.8	9.8
CARNUSTY	7603	3526416631.2	11.3	-171421382.1	3.7	5294098643.4	15.5
CARROLGA	7228	453520852.5	9.4	-5300506781.3	34.9	3507207371.8	21.4
CHLBOLTN	7215	4008310299.7	8.4	-100651033.6	4.4	4943794570.5	10.9
DEADMANL	7267	-2336819218.9	66.3	-4732586721.1	128.6	3570329775.1	89.2
DSS15	7231	-2353538549.1	30.1	-4641649694.4	58.1	3676670098.3	52.5
DSS45	1642	-4460935028.8	65.9	2682765870.8	43.8	-3674381928.6	37.0
DSS65	1665	4849336843.9	29.9	-360489115.4	9.5	4114748525.9	31.9
EFLSBERG	7203	4033947733.0	7.4	486990240.5	4.6	4900430601.7	10.6
ELY	7286	-2077236045.8	15.6	-4486712803.0	33.7	4018753827.7	28.3
FLAGSTAF	7261	-1923992401.7	14.6	-4850854523.3	35.4	3658589308.9	26.6
FORT ORD	7266	-2697026416.9	21.0	-4354393592.0	34.0	3788077456.6	29.1
FORTORDS	7241	-2699839884.6	30.3	-4359127347.4	48.7	3781050848.8	41.6
FTD 7900	7900	-1324227725.8	3.6	-5332063074.5	12.6	3232023061.4	7.5
GILCREEK	7225	-2281546875.3	3.3	-1453645102.2	4.5	5756993303.2	6.8
GOLDVENU	1513	-2351128873.9	3.8	-4655477189.0	7.9	3660956947.9	6.9
GORF7102	7102	1130686825.5	2.9	-4831353040.7	10.0	3994110823.6	8.4
GRASSE	7605	4581697924.3	6.5	556125449.5	2.2	4389351215.0	7.1
HALEAKAL	7120	-5465998283.0	14.4	-2404409072.6	8.7	2242228254.9	8.6
HARTRAO	7232	5085442706.5	36.3	2668263279.3	22.0	-2768697333.7	17.2
HATCREEK	7218	-2523969659.4	3.2	-4123506475.8	6.4	4147752650.8	6.2
HAYSTACK	7205	1492405064.8	1.1	-4457266527.4	2.6	4296881642.0	2.7
HOBART26	7242	-3950236488.1	127.4	2522347642.6	89.6	-4311563049.3	104.8
HOHENFRG	7600	3778215158.7	5.3	698644491.9	1.9	5074053402.6	7.1
JPL MV1	7263	-2493305624.5	13.1	-4655197809.4	24.2	3565519280.2	18.2
KASHIM34	1857	-3997649235.1	9.6	3276690671.3	6.3	3724279114.1	14.1
KASHIMA	1856	-3997892255.3	8.7	3276581177.1	5.6	3724118509.1	13.5
KAUAI	1311	-5543845846.7	3.7	-2054564697.2	5.5	2387813624.8	6.0
KODIAK	7278	-3026939875.1	27.0	-1575911901.8	15.7	5370362503.9	45.8
KWAJAL26	4968	-6143536627.9	27.1	1363996666.1	10.4	1034707316.5	16.0
LEONRDOK	7292	-522231348.3	3.7	-5145676903.6	18.6	3720152336.2	12.3
MAMMOTHL	7259	-2448246516.4	29.3	-4426738538.7	51.6	3875435984.6	43.3
MARCUS	7310	-5227447075.9	15.7	2551378745.6	9.0	2607604635.1	12.9
MARPOINT	7217	1106629626.1	3.8	-4882907224.6	13.0	3938086890.6	10.8
MATERA	7243	4641939132.2	5.6	1393002717.2	2.7	4133325314.2	6.4
MCD 7850	7850	-1330007932.9	2.7	-5328391594.6	10.1	3236502741.3	6.2
MEDICINA	7230	4461370288.6	14.7	919596523.0	6.7	4449558966.6	16.3
METSHOVI	7601	2890653075.3	7.7	1310295080.3	4.3	5513958543.5	12.7
MILESMON	7038	-1204438744.1	9.2	-4239211129.1	29.1	4596266078.6	29.3
MIYAZAKI	7312	-3582767808.1	195.8	4052034021.5	200.3	3369020847.0	196.7
MOJ 7288	7288	-2356493867.4	5.9	-4646607807.6	11.8	3668426666.0	9.2
MOJAVE12	7222	-2356170745.6	1.5	-4646756012.0	4.7	3668470649.6	4.4
MON PEAK	7274	-2386289038.2	7.9	-4802346856.6	16.0	3444883916.9	11.6
NOBEY 6M	7244	-3871168088.8	10.3	3428273960.4	9.1	3723697826.7	11.4
NOME	7279	-2658150120.9	17.0	-693821934.7	8.0	5737236684.4	36.1
NOTO	7547	4934563375.9	36.5	1321201018.2	15.2	3806484100.2	33.4
NRAO 140	7204	882880206.6	1.5	-4924482343.6	5.4	3944130595.6	4.7
NRAO85 3	7214	882325848.3	9.0	-4925137912.9	27.4	3943397488.6	22.0
OCOTILLO	7270	-2335600888.0	12.7	-4832244273.5	25.9	3434392579.9	18.4
ONSALA60	7213	3370606301.2	5.3	711917244.8	3.3	5349830558.3	7.8

Table 5.3 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410420967.2	4.9	-4477800543.6	9.8	3838690365.5	8.3
OVRO 130	7207	-2409600488.4	1.9	-4478349680.0	5.5	3838603259.8	5.3
PBLOSSOM	7254	-2464070647.9	18.5	-4649425880.0	34.9	3593905721.9	26.2
PENTICTN	7283	-2058840097.5	24.5	-3621286366.3	41.5	4814420690.6	52.6
PIETOWN	7234	-1640953419.6	5.9	-5014816115.9	14.3	3575411987.5	11.9
PINFLATS	7256	-2369635642.1	13.4	-4761325118.7	27.1	3511116128.7	20.0
PLATTVIL	7258	-1240707872.2	5.7	-4720454401.9	18.3	4094481689.7	15.5
PRESIDIO	7252	-2707704562.9	24.4	-4257609840.1	38.3	3888374115.6	34.2
PT REYES	7251	-2732332791.5	19.2	-4217635169.2	28.9	3914490939.3	26.7
PVERDES	7268	-2525452478.9	28.1	-4670035983.1	50.5	3522886715.3	37.5
QUINCY	7221	-2517230618.6	10.7	-4198595375.8	17.8	4076531351.0	16.8
RICHMOND	7219	961258278.0	.7	-5674090049.8	1.4	2740533687.3	1.2
ROBLED32	1561	4849245400.8	49.3	-360278445.9	12.0	4114884301.0	42.2
SANPAULA	7255	-2554476296.4	26.7	-4608627599.2	48.5	3582138204.5	36.3
SEATTLE1	7229	-2295347790.6	44.1	-3638029609.5	85.9	4693408870.1	96.8
SESHAN25	7227	-2831686481.1	27.6	4675733901.0	31.6	3275328036.3	31.8
SEST	7239	1838237884.3	9.3	-5258699130.7	16.9	-3100589000.7	8.9
SHANGHAI	7226	-2847698002.1	124.6	4659872972.9	108.7	3283959106.0	98.6
SNDPOINT	7280	-3425461633.9	36.0	-1214669254.6	15.6	5223858406.7	52.8
SOURDOGH	7281	-2419993154.3	32.6	-1664228835.1	23.4	5643538415.4	74.9
TITIJIMA	7844	-4489356332.4	380.4	3482989069.5	302.8	2887930871.7	304.3
TROMSONO	7602	2102904402.6	5.6	721602305.6	3.5	5958201204.0	12.7
TSUKUBA	7311	-3957172956.4	46.3	3310237919.9	39.0	3737709278.2	44.5
VERNAL	7290	-1631473037.4	17.4	-4589128927.6	43.8	4106759891.1	37.9
VICTORIA	7289	-2341309834.3	10.5	-3539083894.3	15.9	4745768421.0	20.4
VNDNBERG	7223	-2678094400.0	3.3	-4525451122.3	6.5	3597410012.9	5.8
WESTFORD	7209	1492206923.4	0.0	-4458130518.0	0.0	4296015409.3	0.0
WETTZELL	7224	4075540186.5	5.9	931734999.1	3.5	4801629195.2	7.7
WHTHORSE	7284	-2215213311.1	28.7	-2209261711.1	27.8	5540292654.9	67.8
YAKATAGA	7277	-2529743923.0	36.4	-1942091459.2	28.9	5505027580.0	76.2
YELLOWKN	7285	-1224124226.4	47.3	-2689530568.2	102.9	5633555111.5	216.4
YUMA	7894	-2196777663.2	14.0	-4887337078.9	31.0	3448425270.7	21.9

Table 5.4 Site Positions at January 1.5, 1982

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918035068.0	2.4	-4346132250.9	9.2	4561971067.1	8.8
AUSTINTX	7271	-737793599.7	3.6	-5459892290.0	15.9	3202990464.1	9.4
BERMUDA	7294	2307209696.3	4.7	-4874215838.3	10.6	3394317763.9	6.9
BLKBUTTE	7269	-2306306727.8	18.3	-4787914566.4	37.7	3515736500.8	26.8
BLOOMIND	7291	302384674.6	11.9	-4941699051.7	35.6	4007908424.8	29.1
BREST	7604	4228877332.4	8.7	-333104461.0	2.5	4747180767.7	9.8
CARNUSTY	7603	3526416618.5	11.3	-171421365.1	3.7	5294098652.4	15.5
CARROLGA	7228	453520838.5	9.4	-5300506782.3	34.9	3507207372.1	21.4
CHLBOLTN	7215	4008310287.6	8.4	-100651015.3	4.4	4943794580.6	10.9
DEADMANL	7267	-2336819264.5	56.5	-4732586764.0	109.6	3570329804.3	76.0
DSS15	7231	-2353538561.3	26.2	-4641649676.9	50.6	3676670084.5	45.7
DSS45	1642	-4460935041.7	58.6	2682765856.8	38.8	-3674381882.6	32.8
DSS65	1665	4849336840.5	26.3	-360489094.4	8.4	4114748540.7	28.1
EFLSBERG	7203	4033947721.4	8.1	486990256.3	4.4	4900430609.8	10.9
ELY	7286	-2077236064.8	13.6	-4486712795.9	29.3	4018753814.1	24.6
FLAGSTAF	7261	-1923992422.2	12.6	-4850854528.8	30.6	3658589305.3	22.9
FORT ORD	7266	-2697026449.2	17.7	-4354393559.1	28.7	3788077476.5	24.6
FORTORDS	7241	-2699839917.0	26.9	-4359127314.5	43.3	3781050868.8	37.0
FTD 7900	7900	-1324227738.8	3.6	-5332063075.2	12.6	3232023055.0	7.5
GILCREEK	7225	-2281546898.1	2.9	-1453645099.8	3.9	5756993291.4	5.9
GOLDVENU	1513	-2351128892.5	3.3	-4655477179.5	6.8	3660956940.3	6.0
GORF7102	7102	1130686809.6	2.9	-4831353042.0	10.0	3994110826.6	8.4
GRASSE	7605	4581697911.5	6.5	556125469.1	2.2	4389351225.9	7.1
HALEAKAL	7120	-5465998299.9	14.3	-2404409005.5	8.3	2242228284.8	8.2
HARTRAO	7232	5085442714.4	32.2	2668263292.3	19.4	-2768697322.4	15.1
HATCREEK	7218	-2523969680.3	2.8	-4123506465.0	5.6	4147752641.3	5.5
HAYSTACK	7205	1492405047.9	1.0	-4457266527.9	2.3	4296881645.8	2.4
HOBART26	7242	-3950236486.9	113.6	2522347632.3	79.9	-4311563025.4	93.5
HOHENFRG	7600	3778215143.7	5.3	698644509.6	1.9	5074053411.4	7.1
JPL MV1	7263	-2493305658.9	11.0	-4655197785.8	20.3	3565519286.3	15.3
KASHIM34	1857	-3997649231.2	8.4	3276690678.6	5.6	3724279095.6	12.3
KASHIMA	1856	-3997892251.4	7.5	3276581184.5	4.8	3724118490.6	11.7
KAUAI	1311	-5543845859.1	3.5	-2054564629.0	4.8	2387813654.5	5.4
KODIAK	7278	-3026939899.4	23.5	-1575911892.8	13.7	5370362503.8	39.9
KWAJAL26	4968	-6143536605.7	22.6	1363996739.3	8.8	1034707337.6	13.7
LEONRDOK	7292	-522231363.1	3.7	-5145676904.5	18.6	3720152332.9	12.3
MAMMOTHL	7259	-2448246532.1	23.7	-4426738509.1	41.8	3875435966.2	35.0
MARCUS	7310	-5227447036.1	15.7	2551378804.2	9.0	2607604657.5	12.9
MARPOINT	7217	1106629608.8	3.3	-4882907222.0	11.4	3938086890.9	9.4
MATERA	7243	4641939117.3	5.6	1393002736.7	2.7	4133325324.4	6.4
MCD 7850	7850	-1330007945.9	2.7	-5328391595.2	10.1	3236502734.9	6.2
MEDICINA	7230	4461370276.6	13.0	919596541.3	5.9	4449558977.7	14.4
METSHOVI	7601	2890653057.2	7.7	1310295095.4	4.3	5513958549.4	12.7
MILESMON	7038	-1204438762.1	9.2	-4239211130.1	29.1	4596266072.9	29.3
MIYAZAKI	7312	-3582767805.6	169.2	4052034017.6	173.0	3369020822.1	170.0
MOJ 7288	7288	-2356493883.7	5.9	-4646607796.1	11.6	3668426658.0	9.0
MOJAVE12	7222	-2356170762.0	1.3	-4646756000.5	4.1	3668470641.6	3.9
MON PEAK	7274	-2386289072.7	6.7	-4802346822.1	13.7	3444883922.5	10.0
NOBEY 6M	7244	-3871168102.2	10.3	3428273960.0	9.1	3723697813.1	11.4
NOME	7279	-2658150148.0	14.7	-693821937.0	6.9	5737236678.0	31.2
NOTO	7547	4934563368.4	32.4	1321201031.8	13.5	3806484124.2	29.7
NRAO 140	7204	882880189.3	1.3	-4924482341.2	4.8	3944130595.7	4.2
NRAO85 3	7214	882325836.1	8.0	-4925137923.2	24.4	3943397500.1	19.6
OCOTILLO	7270	-2335600901.7	12.7	-4832244274.1	25.9	3434392569.9	18.4
ONSALA60	7213	3370606289.9	4.6	711917258.8	2.9	5349830564.5	6.7

Table 5.4 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410420985.7	4.7	-4477800530.1	9.3	3838690356.9	7.9
OVRO 130	7207	-2409600506.8	1.6	-4478349666.5	4.7	3838603251.2	4.6
PBLOSSOM	7254	-2464070668.7	15.4	-4649425850.8	29.0	3593905716.7	21.8
PENTICTN	7283	-2058840123.3	21.6	-3621286377.5	36.7	4814420699.0	46.3
PIETOWN	7234	-1640953434.2	5.3	-5014816106.8	12.7	3575411974.8	10.6
PINFLATS	7256	-2369635667.4	11.4	-4761325096.1	23.1	3511116128.4	17.1
PLATTVIL	7258	-1240707890.4	4.9	-4720454400.4	15.8	4094481680.7	13.4
PRESIDIO	7252	-2707704585.9	22.0	-4257609809.7	34.4	3888374119.0	30.7
PT REYES	7251	-2732332817.3	16.7	-4217635136.5	25.1	3914490953.5	23.2
PVERDES	7268	-2525452506.4	24.6	-4670035945.5	44.2	3522886719.8	32.8
QUINCY	7221	-2517230639.3	9.2	-4198595360.7	15.4	4076531339.5	14.5
RICHMOND	7219	961258266.7	.7	-5674090050.8	1.4	2740533689.3	1.1
ROBLED32	1561	4849245397.4	48.7	-360278424.9	11.7	4114884315.8	41.5
SANPAULA	7255	-2554476331.9	23.3	-4608627575.1	42.4	3582138216.1	31.7
SEATTLE1	7229	-2295347799.5	39.0	-3638029594.4	76.4	4693408843.4	85.8
SESHAN25	7227	-2831686500.8	24.4	4675733885.1	28.0	3275328011.2	28.1
SEST	7239	1838237884.4	9.3	-5258699135.7	16.9	-3100588992.1	8.9
SHANGHAI	7226	-2847698021.8	124.2	4659872957.0	108.1	3283959081.0	97.8
SNDPOINT	7280	-3425461655.2	31.6	-1214669244.0	13.7	5223858389.5	46.4
SOURDOGH	7281	-2419993181.4	28.6	-1664228830.1	20.6	5643538397.9	65.9
TITIJIMA	7844	-4489356378.6	328.4	3482989124.2	261.9	2887930921.6	262.9
TROMSONO	7602	2102904385.3	5.6	721602318.6	3.5	5958201208.5	12.7
TSUKUBA	7311	-3957172942.4	39.4	3310237915.0	33.1	3737709245.9	37.9
VERNAL	7290	-1631473055.8	15.2	-4589128931.5	38.3	4106759886.2	33.0
VICTORIA	7289	-2341309852.7	10.5	-3539083895.2	15.9	4745768411.2	20.4
VNDNBERG	7223	-2678094431.2	2.9	-4525451086.7	5.6	3597410029.2	5.1
WESTFORD	7209	1492206906.5	0.0	-4458130519.4	0.0	4296015413.7	0.0
WETTZELL	7224	4075540173.0	5.1	931735014.4	3.0	4801629200.1	6.7
WHTHORSE	7284	-2215213334.7	25.0	-2209261701.6	24.2	5540292634.7	59.1
YAKATAGA	7277	-2529743950.5	32.1	-1942091437.5	25.5	5505027616.9	67.2
YELLOWKN	7285	-1224124247.3	36.4	-2689530590.3	79.1	5633555153.9	166.4
YUMA	7894	-2196777682.3	11.9	-4887337081.7	26.2	3448425263.3	18.6

Table 5.5 Site Positions at January 1.5, 1983

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918035050.7	2.1	-4346132252.9	8.1	4561971069.0	7.7
AUSTINTX	7271	-737793612.6	3.6	-5459892290.7	15.9	3202990459.8	9.4
BERMUDA	7294	2307209682.8	4.7	-4874215839.5	10.6	3394317771.3	6.9
BLKBUTTE	7269	-2306306744.3	15.0	-4787914550.2	30.8	3515736484.6	22.0
BLOOMIND	7291	302384658.8	11.9	-4941699052.8	35.6	4007908424.6	29.1
BREST	7604	4228877321.6	8.7	-333104442.2	2.5	4747180778.6	9.8
CARNUSTY	7603	3526416605.9	11.3	-171421348.0	3.7	5294098661.4	15.5
CARROLGA	7228	453520824.4	9.4	-5300506783.3	34.9	3507207372.4	21.4
CHLBOLTN	7215	4008310275.6	8.4	-100650997.1	4.4	4943794590.7	10.9
DEADMANL	7267	-2336819310.2	46.7	-4732586806.9	90.6	3570329833.5	62.8
DSS15	7231	-2353538573.4	22.3	-4641649659.5	43.2	3676670070.7	38.9
DSS45	1642	-4460935054.7	51.3	2682765842.8	33.9	-3674381836.7	28.6
DSS65	1665	4849336837.1	22.7	-360489073.4	7.2	4114748555.4	24.3
EFLSBERG	7203	4033947709.8	11.2	486990272.0	5.3	4900430617.8	14.6
ELY	7286	-2077236083.8	11.6	-4486712788.9	24.9	4018753800.5	20.9
FLAGSTAF	7261	-1923992442.8	10.6	-4850854534.4	25.9	3658589301.7	19.3
FORT ORD	7266	-2697026481.5	14.5	-4354393526.3	23.5	3788077496.5	20.1
FORTORDS	7241	-2699839949.3	23.6	-4359127281.6	37.9	3781050888.7	32.4
FTD 7900	7900	-1324227751.8	3.6	-5332063075.8	12.6	3232023048.6	7.5
GILCREEK	7225	-2281546921.0	2.5	-1453645097.4	3.3	5756993279.7	5.1
GOLDVENU	1513	-2351128911.1	2.8	-4655477170.0	5.8	3660956932.7	5.1
GORF7102	7102	1130686793.8	2.9	-4831353043.2	10.0	3994110829.5	8.4
GRASSE	7605	4581697898.7	6.5	556125488.6	2.2	4389351236.8	7.1
HALEAKAL	7120	-5465998316.7	14.2	-2404408938.4	7.9	2242228314.6	7.9
HARTRAO	7232	5085442722.4	28.1	2668263305.2	16.8	-2768697311.1	13.1
HATCREEK	7218	-2523969701.1	2.4	-4123506454.3	4.8	4147752631.7	4.8
HAYSTACK	7205	1492405031.0	.9	-4457266528.4	2.0	4296881649.7	2.1
HOBART26	7242	-3950236485.7	99.9	2522347621.9	70.2	-4311563001.5	82.2
HOHENFRG	7600	3778215128.8	5.3	698644527.2	1.9	5074053420.1	7.1
JPL MV1	7263	-2493305693.2	8.9	-4655197762.1	16.5	3565519292.3	12.5
KASHIM34	1857	-3997649227.3	7.3	3276690686.0	4.9	3724279077.1	10.5
KASHIMA	1856	-3997892247.5	6.4	3276581191.8	4.1	3724118472.1	9.9
KAUAI	1311	-5543845871.6	3.2	-2054564560.8	4.1	2387813684.2	4.8
KODIAK	7278	-3026939923.7	20.1	-1575911883.9	11.7	5370362503.8	34.1
KWAJAL26	4968	-6143536583.4	18.2	1363996812.5	7.2	1034707358.8	11.5
LEONRDOK	7292	-522231377.9	3.7	-5145676905.4	18.6	3720152329.5	12.3
MAMMOTHL	7259	-2448246547.7	18.3	-4426738479.5	32.2	3875435947.7	27.1
MARCUS	7310	-5227446996.3	15.7	2551378862.8	9.0	2607604679.9	12.9
MARPOINT	7217	1106629591.5	2.9	-4882907219.4	9.8	3938086891.3	8.1
MATERA	7243	4641939102.4	5.6	1393002756.3	2.7	4133325334.5	6.4
MCD 7850	7850	-1330007959.0	2.7	-5328391595.9	10.1	3236502728.5	6.2
MEDICINA	7230	4461370264.6	11.3	919596559.5	5.1	4449558988.7	12.4
METSHOVI	7601	2890653039.1	7.7	1310295110.6	4.3	5513958555.3	12.7
MILESMON	7038	-1204438780.0	9.2	-4239211131.1	29.1	4596266067.2	29.3
MIYAZAKI	7312	-3582767803.1	142.7	4052034013.8	145.8	3369020797.2	143.4
MOJ 7288	7288	-2356493900.1	5.8	-4646607784.6	11.4	3668426650.1	8.8
MOJAVE12	7222	-2356170778.4	1.2	-4646755988.9	3.5	3668470633.6	3.4
MON PEAK	7274	-2386289107.2	5.6	-4802346787.6	11.4	3444883928.1	8.4
NOBEY 6M	7244	-3871168115.6	10.3	3428273959.7	9.1	3723697799.4	11.4
NOME	7279	-2658150175.1	12.4	-693821939.2	5.9	5737236671.7	26.4
NOTO	7547	4934563360.8	28.3	1321201045.3	11.8	3806484148.2	25.9
NRAO 140	7204	882880172.0	1.2	-4924482338.7	4.3	3944130595.8	3.7
NRAO85 3	7214	882325823.9	7.1	-4925137933.5	21.5	3943397511.7	17.2
OCOTILLO	7270	-2335600915.4	12.7	-4832244274.6	25.9	3434392559.8	18.4
ONSALA60	7213	3370606278.6	3.9	711917272.8	2.5	5349830570.6	5.7

Table 5.5 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410421004.2	4.6	-4477800516.7	8.9	3838690348.3	7.5
OVRO 130	7207	-2409600525.3	1.3	-4478349653.1	4.0	3838603242.6	3.9
PBLOSSOM	7254	-2464070689.5	12.3	-4649425821.5	23.2	3593905711.4	17.5
PENTICTN	7283	-2058840149.0	18.7	-3621286388.6	31.9	4814420707.4	40.2
PIETOWN	7234	-1640953448.9	4.6	-5014816097.6	11.1	3575411962.2	9.3
PINFLATS	7256	-2369635692.7	9.4	-4761325073.4	19.1	3511116128.0	14.1
PLATTVIL	7258	-1240707908.5	4.1	-4720454398.8	13.3	4094481671.8	11.3
PRESIDIO	7252	-2707704608.7	19.5	-4257609779.4	30.6	3888374122.4	27.3
PT REYES	7251	-2732332843.2	14.1	-4217635103.7	21.3	3914490967.8	19.7
PVERDES	7268	-2525452533.9	21.1	-4670035908.0	38.0	3522886724.4	28.1
QUINCY	7221	-2517230659.9	7.8	-4198595345.5	13.0	4076531327.9	12.3
RICHMOND	7219	961258255.5	.7	-5674090051.7	1.3	2740533691.3	1.0
ROBLED32	1561	4849245393.9	48.5	-360278404.0	11.5	4114884330.6	41.1
SANPAULA	7255	-2554476367.5	20.0	-4608627550.9	36.3	3582138227.7	27.2
SEATTLE1	7229	-2295347808.4	34.1	-3638029579.3	66.9	4693408816.7	75.0
SESHAN25	7227	-2831686520.6	21.3	4675733869.2	24.4	3275327986.2	24.4
SEST	7239	1838237884.5	9.3	-5258699140.8	16.9	-3100588983.4	8.9
SHANGHAI	7226	-2847698041.5	123.9	4659872941.1	107.6	3283959055.9	97.1
SNDPOINT	7280	-3425461676.5	27.3	-1214669233.5	11.8	5223858372.4	40.0
SOURDOGH	7281	-2419993208.5	24.7	-1664228825.1	17.8	5643538380.4	56.9
TITIJIMA	7844	-4489356424.8	276.6	3482989178.9	221.1	2887930971.6	221.7
TROMSONO	7602	2102904368.1	5.6	721602331.7	3.5	5958201213.0	12.7
TSUKUBA	7311	-3957172928.4	32.5	3310237910.0	27.4	3737709213.5	31.4
VERNAL	7290	-1631473074.2	13.0	-4589128935.4	32.8	4106759881.4	28.2
VICTORIA	7289	-2341309871.1	10.5	-3539083896.1	15.9	4745768401.5	20.4
VNDNBERG	7223	-2678094462.3	2.4	-4525451051.1	4.8	3597410045.5	4.4
WESTFORD	7209	1492206889.6	0.0	-4458130520.8	0.0	4296015418.2	0.0
WETTZELL	7224	4075540159.5	4.3	931735029.7	2.6	4801629205.1	5.7
WHTHORSE	7284	-2215213358.2	21.3	-2209261692.0	20.6	5540292614.5	50.4
YAKATAGA	7277	-2529743978.0	27.8	-1942091415.8	22.1	5505027653.9	58.2
YELLOWKN	7285	-1224124268.1	25.5	-2689530612.4	55.5	5633555196.2	116.9
YUMA	7894	-2196777701.5	9.7	-4887337084.4	21.5	3448425255.8	15.3

Table 5.6 Site Positions at January 1.5, 1984

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918035033.4	1.8	-4346132254.9	7.0	4561971071.0	6.7
AUSTINTX	7271	-737793625.5	3.6	-5459892291.4	15.9	3202990455.6	9.4
BERMUDA	7294	2307209669.2	4.7	-4874215840.8	10.6	3394317778.7	6.9
BLKBUTTE	7269	-2306306760.7	11.7	-4787914534.1	24.1	3515736468.5	17.3
BLOOMIND	7291	302384642.9	11.9	-4941699053.9	35.6	4007908424.4	29.1
BREST	7604	4228877310.8	8.7	-333104423.4	2.5	4747180789.6	9.8
CARNUSTY	7603	3526416593.2	11.3	-171421331.0	3.7	5294098670.4	15.5
CARROLGA	7228	453520810.4	9.4	-5300506784.3	34.9	3507207372.7	21.4
CHLBOLTN	7215	4008310263.6	8.4	-100650978.8	4.4	4943794600.9	10.9
DEADMANL	7267	-2336819355.8	36.9	-4732586849.8	71.7	3570329862.7	49.7
DSS15	7231	-2353538585.6	18.4	-4641649642.1	35.7	3676670057.0	32.1
DSS45	1642	-4460935067.6	44.0	2682765828.8	29.1	-3674381790.8	24.4
DSS65	1665	4849336833.7	19.1	-360489052.4	6.1	4114748570.2	20.4
EFLSBERG	7203	4033947698.2	15.3	486990287.8	7.0	4900430625.9	19.8
ELY	7286	-2077236102.7	9.6	-4486712781.8	20.6	4018753786.9	17.3
FLAGSTAF	7261	-1923992463.3	8.7	-4850854539.9	21.4	3658589298.2	15.8
FORT ORD	7266	-2697026513.8	11.4	-4354393493.4	18.4	3788077516.4	15.8
FORTORDS	7241	-2699839981.7	20.3	-4359127248.8	32.6	3781050908.7	27.8
FTD 7900	7900	-1324227764.9	3.6	-5332063076.4	12.6	3232023042.2	7.5
GILCREEK	7225	-2281546943.8	2.1	-1453645095.0	2.7	5756993267.9	4.3
GOLDVENU	1513	-2351128929.7	2.4	-4655477160.6	4.9	3660956925.0	4.4
GORF7102	7102	1130686778.0	2.9	-4831353044.5	10.0	3994110832.5	8.4
GRASSE	7605	4581697885.9	6.5	556125508.3	2.2	4389351247.7	7.1
HALEAKAL	7120	-5465998333.6	14.2	-2404408871.2	7.5	2242228344.5	7.6
HARTRAO	7232	5085442730.3	24.0	2668263318.2	14.3	-2768697299.7	11.1
HATCREEK	7218	-2523969722.0	2.0	-4123506443.5	4.0	4147752622.2	4.1
HAYSTACK	7205	1492405014.1	.8	-4457266528.9	1.7	4296881653.5	1.8
HOBART26	7242	-3950236484.5	86.2	2522347611.6	60.5	-4311562977.7	70.9
HOHENFRG	7600	3778215113.8	5.3	698644544.9	1.9	5074053428.8	7.1
JPL MV1	7263	-2493305727.5	6.9	-4655197738.5	12.9	3565519298.3	9.8
KASHIM34	1857	-3997649223.5	6.2	3276690693.3	4.2	3724279058.6	8.8
KASHIMA	1856	-3997892243.6	5.2	3276581199.2	3.4	3724118453.6	8.1
KAUAI	1311	-5543845884.1	3.0	-2054564492.7	3.4	2387813713.9	4.3
KODIAK	7278	-3026939948.0	16.7	-1575911875.0	9.7	5370362503.8	28.4
KWAJAL26	4968	-6143536561.2	14.0	1363996885.8	5.7	1034707379.9	9.4
LEONRDOK	7292	-522231392.7	3.7	-5145676906.3	18.6	3720152326.2	12.3
MAMMOTHL	7259	-2448246563.3	13.3	-4426738449.9	23.5	3875435929.3	19.8
MARCUS	7310	-5227446956.5	15.7	2551378921.4	9.0	2607604702.3	12.9
MARPOINT	7217	1106629574.2	2.4	-4882907216.8	8.3	3938086891.6	6.8
MATERA	7243	4641939087.4	5.6	1393002775.8	2.7	4133325344.7	6.4
MCD 7850	7850	-1330007972.0	2.7	-5328391596.5	10.1	3236502722.1	6.2
MEDICINA	7230	4461370252.6	9.5	919596577.7	4.3	4449558999.8	10.6
METSHOVI	7601	2890653021.0	7.7	1310295125.8	4.3	5513958561.2	12.7
MILESMON	7038	-1204438798.0	9.2	-4239211132.1	29.1	4596266061.6	29.3
MIYAZAKI	7312	-3582767800.6	116.3	4052034009.9	118.8	3369020772.3	116.9
MOJ 7288	7288	-2356493916.4	5.8	-4646607773.1	11.2	3668426642.1	8.6
MOJAVE12	7222	-2356170794.7	1.0	-4646755977.4	2.9	3668470625.6	3.0
MON PEAK	7274	-2386289141.7	4.5	-4802346753.0	9.2	3444883933.7	6.8
NOBEY 6M	7244	-3871168129.1	10.3	3428273959.3	9.1	3723697785.8	11.4
NOME	7279	-2658150202.1	10.3	-693821941.4	4.9	5737236665.3	21.9
NOTO	7547	4934563353.3	24.2	1321201058.9	10.0	3806484172.2	22.2
NRAO 140	7204	882880154.7	1.1	-4924482336.3	3.9	3944130595.9	3.3
NRAO85 3	7214	882325811.7	6.1	-4925137943.9	18.5	3943397523.2	14.9
OCOTILLO	7270	-2335600929.1	12.7	-4832244275.1	25.9	3434392549.8	18.4
ONSALA60	7213	3370606267.3	3.2	711917286.9	2.1	5349830576.7	4.7

Table 5.6 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410421022.6	4.5	-4477800503.3	8.6	3838690339.8	7.2
OVRO 130	7207	-2409600543.8	1.1	-4478349639.7	3.3	3838603234.0	3.3
PBLOSSOM	7254	-2464070710.3	9.4	-4649425792.3	17.7	3593905706.1	13.4
PENTICTN	7283	-2058840174.8	15.9	-3621286399.7	27.3	4814420715.8	34.3
PIETOWN	7234	-1640953463.6	3.9	-5014816088.5	9.4	3575411949.5	7.9
PINFLATS	7256	-2369635718.1	7.5	-4761325050.8	15.2	3511116127.6	11.3
PLATTVIL	7258	-1240707926.7	3.3	-4720454397.3	11.0	4094481662.8	9.3
PRESIDIO	7252	-2707704631.7	17.2	-4257609749.1	26.8	3888374125.8	24.0
PT REYES	7251	-2732332869.1	11.7	-4217635071.0	17.6	3914490982.0	16.3
PVERDES	7268	-2525452561.4	17.7	-4670035870.4	31.8	3522886728.9	23.5
QUINCY	7221	-2517230680.5	6.4	-4198595330.4	10.7	4076531316.3	10.2
RICHMOND	7219	961258244.2	.7	-5674090052.7	1.3	2740533693.3	1.0
ROBLED32	1561	4849245390.5	48.4	-360278383.0	11.4	4114884345.4	41.0
SANPAULA	7255	-2554476403.0	16.6	-4608627526.7	30.4	3582138239.2	22.7
SEATTLE1	7229	-2295347817.3	29.1	-3638029564.2	57.5	4693408790.0	64.2
SESHAN25	7227	-2831686540.3	18.1	4675733853.3	20.8	3275327961.2	20.7
SEST	7239	1838237884.6	9.3	-5258699145.8	16.9	-3100588974.8	8.9
SHANGHAI	7226	-2847698061.2	123.6	4659872925.1	107.2	3283959030.8	96.6
SNDPOINT	7280	-3425461697.7	23.0	-1214669222.9	9.9	5223858355.3	33.7
SOURDOGH	7281	-2419993235.6	20.8	-1664228820.0	15.0	5643538362.9	48.0
TITIJIMA	7844	-4489356471.0	225.0	3482989233.6	180.5	2887931021.5	180.7
TROMSONO	7602	2102904350.8	5.6	721602344.7	3.5	5958201217.5	12.7
TSUKUBA	7311	-3957172914.3	25.9	3310237905.1	21.7	3737709181.1	25.1
VERNAL	7290	-1631473092.6	10.9	-4589128939.3	27.3	4106759876.5	23.5
VICTORIA	7289	-2341309889.6	10.5	-3539083896.9	15.9	4745768391.7	20.4
VNDNBERG	7223	-2678094493.5	2.0	-4525451015.5	3.9	3597410061.7	3.7
WESTFORD	7209	1492206872.7	0.0	-4458130522.2	0.0	4296015422.6	0.0
WETTZELL	7224	4075540146.0	3.5	931735045.0	2.1	4801629210.0	4.7
WHTHORSE	7284	-2215213381.7	17.6	-2209261682.5	17.1	5540292594.3	41.8
YAKATAGA	7277	-2529744005.5	23.5	-1942091394.1	18.7	5505027690.8	49.3
YELLOWKN	7285	-1224124288.9	15.0	-2689530634.6	32.6	5633555238.6	68.7
YUMA	7894	-2196777720.6	7.6	-4887337087.1	16.8	3448425248.4	12.0

Table 5.7 Site Positions at January 1.5, 1985

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918035016.1	1.5	-4346132256.9	5.9	4561971072.9	5.6
AUSTINTX	7271	-737793638.5	3.6	-5459892292.1	15.9	3202990451.4	9.4
BERMUDA	7294	2307209655.6	4.7	-4874215842.1	10.6	3394317786.1	6.9
BLKBUTTE	7269	-2306306777.1	8.6	-4787914517.9	17.6	3515736452.3	12.7
BLOOMIND	7291	302384627.0	11.9	-4941699055.0	35.6	4007908424.2	29.1
BREST	7604	4228877300.0	8.7	-333104404.5	2.5	4747180800.5	9.8
CARNUSTY	7603	3526416580.5	11.3	-171421313.9	3.7	5294098679.4	15.5
CARROLGA	7228	453520796.3	9.4	-5300506785.3	34.9	3507207373.0	21.4
CHLBOLTN	7215	4008310251.5	8.4	-100650960.5	4.4	4943794611.0	10.9
DEADMANL	7267	-2336819401.6	27.2	-4732586892.9	52.9	3570329892.0	36.7
DSS15	7231	-2353538597.8	14.5	-4641649624.6	28.3	3676670043.2	25.3
DSS45	1642	-4460935080.6	36.8	2682765814.8	24.2	-3674381744.7	20.3
DSS65	1665	4849336830.2	15.6	-360489031.4	5.0	4114748585.1	16.7
EFLSBERG	7203	4033947686.6	19.8	486990303.6	9.0	4900430634.0	25.7
ELY	7286	-2077236121.8	7.6	-4486712774.8	16.4	4018753773.3	13.7
FLAGSTAF	7261	-1923992483.9	7.0	-4850854545.5	17.0	3658589294.6	12.5
FORT ORD	7266	-2697026546.2	8.4	-4354393460.5	13.7	3788077536.4	11.8
FORTORDS	7241	-2699840014.2	17.0	-4359127215.8	27.2	3781050928.7	23.3
FTD 7900	7900	-1324227777.9	3.6	-5332063077.1	12.6	3232023035.8	7.5
GILCREEK	7225	-2281546966.7	1.7	-1453645092.6	2.2	5756993256.1	3.5
GOLDVENU	1513	-2351128948.4	2.0	-4655477151.1	4.1	3660956917.4	3.7
GORF7102	7102	1130686762.2	2.9	-4831353045.7	10.0	3994110835.5	8.4
GRASSE	7605	4581697873.0	6.5	556125527.9	2.2	4389351258.6	7.1
HALEAKAL	7120	-5465998350.5	14.1	-2404408803.9	7.3	2242228374.4	7.3
HARTRAO	7232	5085442738.3	20.0	2668263331.3	11.8	-2768697288.4	9.3
HATCREEK	7218	-2523969742.9	1.7	-4123506432.7	3.3	4147752612.6	3.4
HAYSTACK	7205	1492404997.2	.6	-4457266529.5	1.4	4296881657.3	1.5
HOBART26	7242	-3950236483.3	72.4	2522347601.2	50.9	-4311562953.7	59.6
HOHENFRG	7600	3778215098.7	5.3	698644562.6	1.9	5074053437.6	7.1
JPL MV1	7263	-2493305761.9	5.2	-4655197714.8	9.7	3565519304.4	7.4
KASHIM34	1857	-3997649219.6	5.2	3276690700.7	3.6	3724279040.0	7.2
KASHIMA	1856	-3997892239.7	4.2	3276581206.6	2.7	3724118435.0	6.5
KAUAI	1311	-5543845896.6	2.7	-2054564424.3	2.8	2387813743.7	3.9
KODIAK	7278	-3026939972.4	13.4	-1575911866.0	7.8	5370362503.8	22.8
KWAJAL26	4968	-6143536538.9	10.3	1363996959.2	4.4	1034707401.1	7.4
LEONRDOK	7292	-522231407.6	3.7	-5145676907.2	18.6	3720152322.9	12.3
MAMMOTHL	7259	-2448246579.0	9.4	-4426738420.2	16.7	3875435910.8	14.2
MARCUS	7310	-5227446916.6	15.7	2551378980.2	9.0	2607604724.8	12.9
MARPOINT	7217	1106629556.9	2.0	-4882907214.2	6.8	3938086892.0	5.6
MATERA	7243	4641939072.5	5.6	1393002795.4	2.7	4133325354.9	6.4
MCD 7850	7850	-1330007985.1	2.7	-5328391597.1	10.1	3236502715.7	6.2
MEDICINA	7230	4461370240.6	7.8	919596596.0	3.5	4449559010.9	8.7
METSHOVI	7601	2890653002.8	7.7	1310295141.0	4.3	5513958567.1	12.7
MILESMON	7038	-1204438816.0	9.2	-4239211133.2	29.1	4596266055.9	29.3
MIYAZAKI	7312	-3582767798.1	90.2	4052034006.0	91.9	3369020747.3	90.6
MOJ 7288	7288	-2356493932.8	5.8	-4646607761.6	11.1	3668426634.1	8.5
MOJAVE12	7222	-2356170811.1	.9	-4646755965.9	2.4	3668470617.6	2.6
MON PEAK	7274	-2386289176.2	3.5	-4802346718.4	7.1	3444883939.3	5.4
NOBEY 6M	7244	-3871168142.5	10.3	3428273959.0	9.1	3723697772.1	11.4
NOME	7279	-2658150229.2	8.3	-693821943.7	3.9	5737236659.0	17.8
NOTO	7547	4934563345.8	20.1	1321201072.5	8.3	3806484196.3	18.4
NRAO 140	7204	882880137.3	1.0	-4924482333.9	3.7	3944130596.1	3.1
NRAO85 3	7214	882325799.5	5.1	-4925137954.2	15.6	3943397534.8	12.5
OCOTILLO	7270	-2335600942.8	12.7	-4832244275.6	25.9	3434392539.7	18.4
ONSALA60	7213	3370606255.9	2.5	711917300.9	1.7	5349830582.8	3.9

Table 5.7 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410421041.1	4.5	-4477800489.8	8.4	3838690331.1	6.9
OVRO 130	7207	-2409600562.3	1.0	-4478349626.2	2.7	3838603225.4	2.8
PBLOSSOM	7254	-2464070731.1	6.9	-4649425762.9	13.0	3593905700.8	9.9
PENTICTN	7283	-2058840200.6	13.3	-3621286410.9	22.8	4814420724.3	28.7
PIETOWN	7234	-1640953478.3	3.3	-5014816079.3	7.8	3575411936.8	6.6
PINFLATS	7256	-2369635743.5	5.6	-4761325028.1	11.5	3511116127.2	8.6
PLATTVIL	7258	-1240707944.8	2.6	-4720454395.7	8.7	4094481653.8	7.4
PRESIDIO	7252	-2707704654.6	14.9	-4257609718.6	23.2	3888374129.2	20.7
PT REYES	7251	-2732332895.1	9.2	-4217635038.1	13.9	3914490996.3	13.0
PVERDES	7268	-2525452589.0	14.3	-4670035832.8	25.7	3522886733.5	19.0
QUINCY	7221	-2517230701.2	5.1	-4198595315.2	8.5	4076531304.7	8.1
RICHMOND	7219	961258232.9	.7	-5674090053.6	1.2	2740533695.4	.9
ROBLED32	1561	4849245387.1	48.7	-360278362.0	11.4	4114884360.2	41.4
SANPAULA	7255	-2554476438.7	13.4	-4608627502.4	24.5	3582138250.9	18.3
SEATTLE1	7229	-2295347826.2	24.3	-3638029549.0	48.2	4693408763.3	53.6
SESHAN25	7227	-2831686560.1	15.0	4675733837.4	17.3	3275327936.0	17.1
SEST	7239	1838237884.7	9.3	-5258699150.9	16.9	-3100588966.1	8.9
SHANGHAI	7226	-2847698081.0	123.4	4659872909.2	107.0	3283959005.7	96.3
SNDPOINT	7280	-3425461719.0	18.7	-1214669212.3	8.1	5223858338.1	27.5
SOURDOGH	7281	-2419993262.8	17.0	-1664228815.0	12.2	5643538345.4	39.1
TITIJIMA	7844	-4489356517.3	173.6	3482989288.4	140.1	2887931071.6	139.8
TROMSONO	7602	2102904333.5	5.6	721602357.8	3.5	5958201222.1	12.7
TSUKUBA	7311	-3957172900.2	19.5	3310237900.1	16.3	3737709148.7	19.1
VERNAL	7290	-1631473111.0	8.7	-4589128943.2	21.9	4106759871.7	18.8
VICTORIA	7289	-2341309908.0	10.5	-3539083897.8	15.9	4745768382.0	20.4
VNDNBERG	7223	-2678094524.7	1.6	-4525450979.8	3.2	3597410078.1	3.1
WESTFORD	7209	1492206855.8	0.0	-4458130523.6	0.0	4296015427.0	0.0
WETTZELL	7224	4075540132.4	2.8	931735060.3	1.7	4801629214.9	3.9
WHTHORSE	7284	-2215213405.3	14.0	-2209261672.9	13.6	5540292574.0	33.3
YAKATAGA	7277	-2529744033.0	19.3	-1942091372.3	15.3	5505027727.8	40.4
YELLOWKN	7285	-1224124309.8	6.4	-2689530656.8	13.8	5633555281.0	28.8
YUMA	7894	-2196777739.9	5.6	-4887337089.8	12.3	3448425240.9	8.9

Table 5.8 Site Positions at January 1.5, 1986

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918034998.8	1.3	-4346132258.9	4.9	4561971074.8	4.6
AUSTINTX	7271	-737793651.5	3.6	-5459892292.9	15.9	3202990447.2	9.4
BERMUDA	7294	2307209642.1	4.7	-4874215843.4	10.6	3394317793.5	6.9
BLKBUTTE	7269	-2306306793.6	5.8	-4787914501.8	11.9	3515736436.1	8.7
BLOOMIND	7291	302384611.1	11.9	-4941699056.1	35.6	4007908424.1	29.1
BREST	7604	4228877289.3	8.7	-333104385.7	2.5	4747180811.4	9.8
CARNUSTY	7603	3526416567.8	11.3	-171421296.8	3.7	5294098688.4	15.5
CARROLGA	7228	453520782.3	9.4	-5300506786.3	34.9	3507207373.3	21.4
CHLBOLTN	7215	4008310239.5	8.4	-100650942.2	4.4	4943794621.2	10.9
DEADMANL	7267	-2336819447.2	17.8	-4732586935.8	34.7	3570329921.3	24.1
DSS15	7231	-2353538609.9	10.7	-4641649607.1	20.9	3676670029.4	18.6
DSS45	1642	-4460935093.6	29.6	2682765800.8	19.4	-3674381698.8	16.2
DSS65	1665	4849336826.8	12.0	-360489010.4	3.9	4114748599.8	12.9
EFLSBERG	7203	4033947675.0	24.5	486990319.4	11.1	4900430642.1	31.8
ELY	7286	-2077236140.7	5.7	-4486712767.7	12.4	4018753759.7	10.4
FLAGSTAF	7261	-1923992504.4	5.4	-4850854551.0	13.2	3658589291.0	9.7
FORT ORD	7266	-2697026578.5	6.0	-4354393427.6	9.7	3788077556.3	8.4
FORTORDS	7241	-2699840046.6	13.7	-4359127182.9	22.0	3781050948.7	18.8
FTD 7900	7900	-1324227790.9	3.6	-5332063077.7	12.6	3232023029.4	7.5
GILCREEK	7225	-2281546989.6	1.3	-1453645090.3	1.8	5756993244.4	2.8
GOLDVENU	1513	-2351128967.1	1.8	-4655477141.6	3.5	3660956909.7	3.3
GORF7102	7102	1130686746.4	2.9	-4831353047.0	10.0	3994110838.4	8.4
GRASSE	7605	4581697860.2	6.5	556125547.5	2.2	4389351269.5	7.1
HALEAKAL	7120	-5465998367.4	14.1	-2404408736.8	7.1	2242228404.3	7.1
HARTRAO	7232	5085442746.2	16.2	2668263344.2	9.5	-2768697277.1	7.5
HATCREEK	7218	-2523969763.8	1.3	-4123506422.0	2.6	4147752603.1	2.8
HAYSTACK	7205	1492404980.3	.5	-4457266530.0	1.2	4296881661.1	1.2
HOBART26	7242	-3950236482.1	58.8	2522347590.9	41.3	-4311562929.8	48.4
HOHENFRG	7600	3778215083.7	5.3	698644580.3	1.9	5074053446.3	7.1
JPL MV1	7263	-2493305796.3	4.0	-4655197691.1	7.4	3565519310.4	5.7
KASHIM34	1857	-3997649215.7	4.4	3276690708.1	3.1	3724279021.5	5.9
KASHIMA	1856	-3997892235.8	3.3	3276581213.9	2.2	3724118416.5	5.1
KAUAI	1311	-5543845909.1	2.5	-2054564356.1	2.3	2387813773.4	3.5
KODIAK	7278	-3026939996.7	10.2	-1575911857.1	6.0	5370362503.8	17.3
KWAJAL26	4968	-6143536516.6	7.8	1363997032.4	3.4	1034707422.3	5.8
LEONRDOK	7292	-522231422.4	3.7	-5145676908.1	18.6	3720152319.5	12.3
MAMMOTHL	7259	-2448246594.7	8.3	-4426738390.6	15.0	3875435892.4	12.8
MARCUS	7310	-5227446876.8	15.7	2551379038.8	9.0	2607604747.3	12.9
MARPOINT	7217	1106629539.6	1.6	-4882907211.6	5.5	3938086892.3	4.5
MATERA	7243	4641939057.6	5.6	1393002814.9	2.7	4133325365.1	6.4
MCD 7850	7850	-1330007998.1	2.7	-5328391597.8	10.1	3236502709.3	6.2
MEDICINA	7230	4461370228.6	6.2	919596614.2	2.8	4449559021.9	7.0
METSHOVI	7601	2890652984.7	7.7	1310295156.2	4.3	5513958573.0	12.7
MILESMON	7038	-1204438834.0	9.2	-4239211134.2	29.1	4596266050.3	29.3
MIYAZAKI	7312	-3582767795.6	64.7	4052034002.2	65.8	3369020722.5	65.0
MOJ 7288	7288	-2356493949.2	5.8	-4646607750.1	11.0	3668426626.1	8.4
MOJAVE12	7222	-2356170827.4	.7	-4646755954.4	1.9	3668470609.7	2.2
MON PEAK	7274	-2386289210.7	2.7	-4802346683.8	5.4	3444883945.0	4.2
NOBEY 6M	7244	-3871168156.0	10.3	3428273958.6	9.1	3723697758.5	11.4
NOME	7279	-2658150256.3	6.8	-693821945.9	3.2	5737236652.6	14.4
NOTO	7547	4934563338.2	16.1	1321201086.0	6.6	3806484220.3	14.8
NRAO 140	7204	882880120.0	1.1	-4924482331.5	3.7	3944130596.2	3.1
NRAO85 3	7214	882325787.2	4.2	-4925137964.5	12.6	3943397546.4	10.1
OCOTILLO	7270	-2335600956.5	12.7	-4832244276.2	25.9	3434392529.6	18.4
ONSALA60	7213	3370606244.6	2.0	711917315.0	1.3	5349830588.9	3.1

Table 5.8 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410421059.6	4.5	-4477800476.4	8.2	3838690322.6	6.7
OVRO 130	7207	-2409600580.7	1.0	-4478349612.8	2.3	3838603216.8	2.5
PBLOSSOM	7254	-2464070751.9	5.3	-4649425733.7	10.1	3593905695.5	7.7
PENTICTN	7283	-2058840226.3	11.0	-3621286422.0	18.8	4814420732.7	23.6
PIETOWN	7234	-1640953493.0	2.6	-5014816070.2	6.2	3575411924.2	5.3
PINFLATS	7256	-2369635768.8	4.0	-4761325005.5	8.2	3511116126.8	6.2
PLATTVIL	7258	-1240707963.0	2.0	-4720454394.2	6.7	4094481644.9	5.7
PRESIDIO	7252	-2707704677.5	12.7	-4257609688.3	19.7	3888374132.6	17.6
PT REYES	7251	-2732332920.9	6.9	-4217635005.4	10.4	3914491010.5	9.8
PVERDES	7268	-2525452616.5	11.0	-4670035795.3	19.8	3522886738.0	14.7
QUINCY	7221	-2517230721.9	3.9	-4198595300.1	6.5	4076531293.2	6.3
RICHMOND	7219	961258221.7	.7	-5674090054.6	1.2	2740533697.4	.9
ROBLED32	1561	4849245383.6	49.2	-360278341.0	11.5	4114884375.0	42.1
SANPAULA	7255	-2554476474.2	10.4	-4608627478.3	19.0	3582138262.4	14.2
SEATTLE1	7229	-2295347835.1	19.7	-3638029533.9	39.2	4693408736.6	43.4
SESHAN25	7227	-2831686579.9	12.0	4675733821.5	13.8	3275327911.0	13.6
SEST	7239	1838237884.8	9.3	-5258699156.0	16.9	-3100588957.5	8.9
SHANGHAI	7226	-2847698100.7	123.3	4659872893.2	106.9	3283958980.6	96.1
SNDPOINT	7280	-3425461740.3	14.6	-1214669201.8	6.3	5223858320.9	21.4
SOURDOGH	7281	-2419993289.8	13.2	-1664228809.9	9.5	5643538327.9	30.4
TITIJIMA	7844	-4489356563.5	123.3	3482989343.1	100.6	2887931121.6	99.8
TROMSONO	7602	2102904316.2	5.6	721602370.9	3.5	5958201226.6	12.7
TSUKUBA	7311	-3957172886.2	13.8	3310237895.2	11.5	3737709116.3	13.8
VERNAL	7290	-1631473129.4	6.7	-4589128947.1	16.7	4106759866.8	14.3
VICTORIA	7289	-2341309926.4	10.5	-3539083898.7	15.9	4745768372.2	20.4
VNDNBERG	7223	-2678094555.9	1.3	-4525450944.2	2.4	3597410094.3	2.6
WESTFORD	7209	1492206838.9	0.0	-4458130524.9	0.0	4296015431.4	0.0
WETTZELL	7224	4075540119.0	2.1	931735075.6	1.3	4801629219.9	3.2
WHTHORSE	7284	-2215213428.8	10.5	-2209261663.4	10.2	5540292553.7	25.0
YAKATAGA	7277	-2529744060.5	15.1	-1942091350.6	12.0	5505027764.8	31.7
YELLOWKN	7285	-1224124330.6	10.0	-2689530678.9	21.7	5633555323.4	45.1
YUMA	7894	-2196777759.0	3.7	-4887337092.5	8.2	3448425233.5	6.0

Table 5.9 Site Positions at January 1.5, 1987

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918034981.4	1.0	-4346132260.9	3.9	4561971076.8	3.7
AUSTINTX	7271	-737793664.4	3.6	-5459892293.6	15.9	3202990442.9	9.4
BERMUDA	7294	2307209628.5	4.7	-4874215844.6	10.6	3394317800.9	6.9
BLKBUTTE	7269	-2306306810.0	4.2	-4787914485.6	8.5	3515736419.9	6.2
BLOOMIND	7291	302384595.2	11.9	-4941699057.2	35.6	4007908423.9	29.1
BREST	7604	4228877278.5	8.7	-333104366.9	2.5	4747180822.4	9.8
CARNUSTY	7603	3526416555.1	11.3	-171421279.8	3.7	5294098697.4	15.5
CARROLGA	7228	453520768.2	9.4	-5300506787.3	34.9	3507207373.6	21.4
CHLBOLTN	7215	4008310227.4	8.4	-100650923.9	4.4	4943794631.3	10.9
DEADMANL	7267	-2336819492.8	9.4	-4732586978.7	18.2	3570329950.5	12.9
DSS15	7231	-2353538622.1	6.9	-4641649589.7	13.7	3676670015.6	12.1
DSS45	1642	-4460935106.5	22.6	2682765786.8	14.8	-3674381652.8	12.4
DSS65	1665	4849336823.4	8.5	-360488989.5	2.9	4114748614.6	9.3
EFLSBERG	7203	4033947663.4	29.2	486990335.2	13.3	4900430650.1	38.1
ELY	7286	-2077236159.7	4.1	-4486712760.7	8.9	4018753746.1	7.4
FLAGSTAF	7261	-1923992525.0	4.3	-4850854556.5	10.5	3658589287.4	7.7
FORT ORD	7266	-2697026610.8	4.8	-4354393394.8	7.7	3788077576.3	6.8
FORTORDS	7241	-2699840078.9	10.5	-4359127150.1	16.8	3781050968.6	14.4
FTD 7900	7900	-1324227804.0	3.6	-5332063078.4	12.6	3232023023.1	7.5
GILCREEK	7225	-2281547012.4	1.1	-1453645087.9	1.5	5756993232.6	2.3
GOLDVENU	1513	-2351128985.7	1.8	-4655477132.1	3.4	3660956902.1	3.3
GORF7102	7102	1130686730.6	2.9	-4831353048.2	10.0	3994110841.4	8.4
GRASSE	7605	4581697847.4	6.5	556125567.1	2.2	4389351280.4	7.1
HALEAKAL	7120	-5465998384.2	14.1	-2404408669.7	7.1	2242228434.2	7.0
HARTRAO	7232	5085442754.2	12.6	2668263357.2	7.4	-2768697265.7	6.1
HATCREEK	7218	-2523969784.6	1.0	-4123506411.2	2.0	4147752593.5	2.3
HAYSTACK	7205	1492404963.4	.4	-4457266530.5	.9	4296881664.9	1.0
HOBART26	7242	-3950236480.9	45.2	2522347580.5	31.7	-4311562906.0	37.2
HOHENFRG	7600	3778215068.8	5.3	698644597.9	1.9	5074053455.1	7.1
JPL MV1	7263	-2493305830.6	3.8	-4655197667.5	6.9	3565519316.4	5.4
KASHIM34	1857	-3997649211.8	3.8	3276690715.4	2.7	3724279003.0	4.9
KASHIMA	1856	-3997892231.9	2.8	3276581221.2	1.8	3724118398.0	4.1
KAUAI	1311	-5543845921.6	2.3	-2054564288.0	2.1	2387813803.1	3.3
KODIAK	7278	-3026940021.0	7.2	-1575911848.2	4.3	5370362503.7	12.3
KWAJAL26	4968	-6143536494.3	7.7	1363997105.7	3.1	1034707443.4	5.0
LEONRDOK	7292	-522231437.3	3.7	-5145676909.0	18.6	3720152316.2	12.3
MAMMOTHL	7259	-2448246610.3	10.9	-4426738361.0	19.8	3875435873.9	16.8
MARCUS	7310	-5227446837.0	15.7	2551379097.4	9.0	2607604769.7	12.9
MARPOINT	7217	1106629522.3	1.3	-4882907208.9	4.4	3938086892.7	3.6
MATERA	7243	4641939042.6	5.6	1393002834.4	2.7	4133325375.3	6.4
MCD 7850	7850	-1330008011.1	2.7	-5328391598.4	10.1	3236502702.8	6.2
MEDICINA	7230	4461370216.6	4.6	919596632.5	2.1	4449559033.0	5.4
METSHOVI	7601	2890652966.6	7.7	1310295171.4	4.3	5513958578.8	12.7
MILESMON	7038	-1204438852.0	9.2	-4239211135.2	29.1	4596266044.6	29.3
MIYAZAKI	7312	-3582767793.2	40.9	4052033998.3	41.6	3369020697.6	41.2
MOJ 7288	7288	-2356493965.5	5.8	-4646607738.6	10.9	3668426618.1	8.3
MOJAVE12	7222	-2356170843.8	.6	-4646755942.9	1.5	3668470601.7	1.9
MON PEAK	7274	-2386289245.2	2.2	-4802346649.3	4.4	3444883950.6	3.5
NOBEY 6M	7244	-3871168169.4	10.3	3428273958.3	9.1	3723697744.8	11.4
NOME	7279	-2658150283.3	5.9	-693821948.2	2.7	5737236646.3	12.5
NOTO	7547	4934563330.7	12.1	1321201099.6	4.9	3806484244.3	11.2
NRAO 140	7204	882880102.7	1.1	-4924482329.1	3.9	3944130596.3	3.2
NRAO85 3	7214	882325775.0	3.2	-4925137974.9	9.7	3943397557.9	7.8
OCOTILLO	7270	-2335600970.2	12.7	-4832244276.7	25.9	3434392519.6	18.4
ONSALA60	7213	3370606233.3	1.6	711917329.0	1.0	5349830595.1	2.6

Table 5.9 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410421078.1	4.5	-4477800462.9	8.1	3838690314.0	6.6
OVRO 130	7207	-2409600599.2	1.1	-4478349599.4	2.2	3838603208.3	2.4
PBLOSSOM	7254	-2464070772.7	5.6	-4649425704.4	10.6	3593905690.3	8.0
PENTICTN	7283	-2058840252.1	9.1	-3621286433.2	15.4	4814420741.1	19.5
PIETOWN	7234	-1640953507.6	2.0	-5014816061.0	4.7	3575411911.5	4.1
PINFLATS	7256	-2369635794.2	3.1	-4761324982.8	6.2	3511116126.4	4.8
PLATTVIL	7258	-1240707981.1	1.6	-4720454392.6	5.2	4094481635.9	4.5
PRESIDIO	7252	-2707704700.4	10.7	-4257609657.9	16.6	3888374136.1	14.8
PT REYES	7251	-2732332946.8	4.9	-4217634972.7	7.3	3914491024.8	7.0
PVERDES	7268	-2525452644.0	8.0	-4670035757.7	14.5	3522886742.6	10.8
QUINCY	7221	-2517230742.5	3.0	-4198595284.9	5.0	4076531281.6	4.8
RICHMOND	7219	961258210.4	.7	-5674090055.5	1.2	2740533699.4	.9
ROBLED32	1561	4849245380.2	50.0	-360278320.0	11.8	4114884389.8	43.1
SANPAULA	7255	-2554476509.8	7.7	-4608627454.1	14.1	3582138274.0	10.6
SEATTLE1	7229	-2295347844.0	15.4	-3638029518.9	30.6	4693408709.9	33.9
SESHAN25	7227	-2831686599.6	9.1	4675733805.6	10.3	3275327885.9	10.3
SEST	7239	1838237885.0	9.3	-5258699161.0	16.9	-3100588948.9	8.9
SHANGHAI	7226	-2847698120.4	123.3	4659872877.3	106.9	3283958955.6	96.0
SNDPOINT	7280	-3425461761.6	10.7	-1214669191.2	4.7	5223858303.8	15.8
SOURDOGH	7281	-2419993316.9	9.6	-1664228804.9	6.9	5643538310.4	22.1
TITIJIMA	7844	-4489356609.6	75.6	3482989397.8	63.2	2887931171.6	62.1
TROMSONO	7602	2102904298.9	5.6	721602383.9	3.5	5958201231.1	12.7
TSUKUBA	7311	-3957172872.2	10.1	3310237890.2	8.6	3737709083.9	10.4
VERNAL	7290	-1631473147.8	4.8	-4589128950.9	12.0	4106759862.0	10.1
VICTORIA	7289	-2341309944.9	10.5	-3539083899.6	15.9	4745768362.5	20.4
VNDNBERG	7223	-2678094587.0	1.0	-4525450908.6	1.9	3597410110.6	2.2
WESTFORD	7209	1492206822.0	0.0	-4458130526.3	0.0	4296015435.9	0.0
WETTZELL	7224	4075540105.5	1.7	931735090.9	1.0	4801629224.8	2.7
WHTHORSE	7284	-2215213452.4	7.2	-2209261653.8	7.0	5540292533.5	17.2
YAKATAGA	7277	-2529744088.0	11.1	-1942091329.0	8.8	5505027801.7	23.2
YELLOWKN	7285	-1224124351.5	20.1	-2689530701.0	43.7	5633555365.7	91.1
YUMA	7894	-2196777778.2	2.5	-4887337095.2	5.5	3448425226.0	4.2

Table 5.10 Site Positions at January 1.5, 1988

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918034964.1	.8	-4346132262.9	2.9	4561971078.7	2.8
AUSTINTX	7271	-737793677.3	3.6	-5459892294.3	15.9	3202990438.7	9.4
BERMUDA	7294	2307209614.9	4.7	-4874215845.9	10.6	3394317808.2	6.9
BLKBUTTE	7269	-2306306826.4	4.9	-4787914469.5	10.1	3515736403.8	7.3
BLOOMIND	7291	302384579.3	11.9	-4941699058.3	35.6	4007908423.7	29.1
BREST	7604	4228877267.7	8.7	-333104348.1	2.5	4747180833.3	9.8
CARNUSTY	7603	3526416542.4	11.3	-171421262.7	3.7	5294098706.4	15.5
CARROLGA	7228	453520754.1	9.4	-5300506788.3	34.9	3507207373.9	21.4
CHLBOLTN	7215	4008310215.4	8.4	-100650905.6	4.4	4943794641.4	10.9
DEADMANL	7267	-2336819538.5	7.5	-4732587021.6	13.9	3570329979.7	10.3
DSS15	7231	-2353538634.3	3.5	-4641649572.3	7.1	3676670001.9	6.3
DSS45	1642	-4460935119.4	15.9	2682765772.9	10.6	-3674381606.9	8.9
DSS65	1665	4849336820.0	5.2	-360488968.5	2.0	4114748629.4	5.9
EFLSBERG	7203	4033947651.8	34.0	486990350.9	15.6	4900430658.2	44.5
ELY	7286	-2077236178.7	3.1	-4486712753.6	6.7	4018753732.5	5.7
FLAGSTAF	7261	-1923992545.5	4.1	-4850854562.0	9.7	3658589283.9	7.4
FORT ORD	7266	-2697026643.1	5.8	-4354393361.9	9.2	3788077596.2	8.0
FORTORDS	7241	-2699840111.3	7.5	-4359127117.2	12.0	3781050988.6	10.3
FTD 7900	7900	-1324227817.0	3.6	-5332063079.0	12.6	3232023016.7	7.5
GILCREEK	7225	-2281547035.3	.9	-1453645085.5	1.4	5756993220.8	2.1
GOLDVENU	1513	-2351129004.3	1.9	-4655477122.7	3.6	3660956894.5	3.5
GORF7102	7102	1130686714.8	2.9	-4831353049.4	10.0	3994110844.4	8.4
GRASSE	7605	4581697834.6	6.5	556125586.7	2.2	4389351291.3	7.1
HALEAKAL	7120	-5465998401.1	14.1	-2404408602.5	7.1	2242228464.0	7.0
HARTRAO	7232	5085442762.1	9.6	2668263370.2	5.9	-2768697254.4	5.2
HATCREEK	7218	-2523969805.5	.8	-4123506400.4	1.7	4147752583.9	2.1
HAYSTACK	7205	1492404946.6	.4	-4457266531.0	.8	4296881668.7	.8
HOBART26	7242	-3950236479.7	31.8	2522347570.2	22.4	-4311562882.1	26.2
HOHENFRG	7600	3778215053.8	5.3	698644615.6	1.9	5074053463.8	7.1
JPL MV1	7263	-2493305864.9	4.8	-4655197643.8	8.6	3565519322.5	6.6
KASHIM34	1857	-3997649207.9	3.5	3276690722.7	2.5	3724278984.5	4.6
KASHIMA	1856	-3997892228.1	2.7	3276581228.6	1.8	3724118379.5	3.9
KAUAI	1311	-5543845934.0	2.1	-2054564219.8	2.2	2387813832.8	3.3
KODIAK	7278	-3026940045.4	5.1	-1575911839.2	3.2	5370362503.7	8.7
KWAJAL26	4968	-6143536472.1	10.1	1363997178.9	3.7	1034707464.6	5.2
LEONRDOK	7292	-522231452.1	3.7	-5145676909.9	18.6	3720152312.9	12.3
MAMMOTHL	7259	-2448246625.9	15.4	-4426738331.4	27.8	3875435855.5	23.5
MARCUS	7310	-5227446797.2	15.7	2551379156.0	9.0	2607604792.1	12.9
MARPOINT	7217	1106629505.0	1.2	-4882907206.3	3.8	3938086893.0	3.1
MATERA	7243	4641939027.7	5.6	1393002854.0	2.7	4133325385.4	6.4
MCD 7850	7850	-1330008024.2	2.7	-5328391599.1	10.1	3236502696.4	6.2
MEDICINA	7230	4461370204.6	3.3	919596650.7	1.5	4449559044.0	4.2
METSHOVI	7601	2890652948.5	7.7	1310295186.6	4.3	5513958584.7	12.7
MILESMON	7038	-1204438869.9	9.2	-4239211136.2	29.1	4596266039.0	29.3
MIYAZAKI	7312	-3582767790.7	24.4	4052033994.4	25.2	3369020672.7	24.7
MOJ 7288	7288	-2356493981.9	5.7	-4646607727.1	10.9	3668426610.1	8.3
MOJAVE12	7222	-2356170860.2	.5	-4646755931.4	1.3	3668470593.7	1.8
MON PEAK	7274	-2386289279.7	2.3	-4802346614.7	4.7	3444883956.2	3.6
NOBEY 6M	7244	-3871168182.8	10.3	3428273957.9	9.1	3723697731.2	11.4
NOME	7279	-2658150310.4	6.1	-693821950.4	2.7	5737236639.9	12.7
NOTO	7547	4934563323.1	8.2	1321201113.2	3.4	3806484268.4	7.9
NRAO 140	7204	882880085.4	1.3	-4924482326.7	4.3	3944130596.4	3.6
NRAO85 3	7214	882325762.8	2.3	-4925137985.2	6.8	3943397569.4	5.4
OCOTILLO	7270	-2335600983.9	12.7	-4832244277.2	25.9	3434392509.5	18.4
ONSALA60	7213	3370606222.0	1.5	711917343.0	.9	5349830601.2	2.6

Table 5.10 (continued)

Site Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853 7853	-2410421096.5	4.5	-4477800449.5	8.1	3838690305.4	6.6
OVRO 130 7207	-2409600617.7	1.2	-4478349585.9	2.4	3838603199.7	2.5
PBLOSSOM 7254	-2464070793.5	7.6	-4649425675.2	14.2	3593905685.0	10.6
PENTICTN 7283	-2058840277.8	8.0	-3621286444.3	13.2	4814420749.6	17.1
PIETOWN 7234	-1640953522.3	1.3	-5014816051.9	3.2	3575411898.9	2.9
PINFLATS 7256	-2369635819.5	3.3	-4761324960.2	6.6	3511116126.1	5.1
PLATTVIL 7258	-1240707999.3	1.5	-4720454391.1	4.8	4094481627.0	4.2
PRESIDIO 7252	-2707704723.3	9.1	-4257609627.6	13.9	3888374139.4	12.5
PT REYES 7251	-2732332972.7	3.6	-4217634939.9	5.4	3914491039.0	5.2
PVERDES 7268	-2525452671.5	5.8	-4670035720.2	10.6	3522886747.1	7.9
QUINCY 7221	-2517230763.2	2.6	-4198595269.8	4.4	4076531270.1	4.2
RICHMOND 7219	961258199.1	.7	-5674090056.4	1.2	2740533701.5	.9
ROBLED32 1561	4849245376.8	51.1	-360278299.0	12.1	4114884404.6	44.4
SANPAULA 7255	-2554476545.3	6.0	-4608627429.9	10.8	3582138285.6	8.2
SEATTLE1 7229	-2295347852.8	11.8	-3638029503.8	23.0	4693408683.2	25.9
SESHAN25 7227	-2831686619.4	6.6	4675733789.7	7.0	3275327860.9	7.6
SEST 7239	1838237885.0	9.3	-5258699166.1	16.9	-3100588940.3	8.9
SHANGHAI 7226	-2847698140.1	123.3	4659872861.4	107.0	3283958930.5	96.1
SNDPOINT 7280	-3425461782.8	7.5	-1214669180.6	3.4	5223858286.7	11.0
SOURDOGH 7281	-2419993344.0	6.4	-1664228799.9	4.7	5643538292.9	14.6
TITIJIMA 7844	-4489356655.8	41.4	3482989452.5	35.7	2887931221.5	34.7
TROMSONO 7602	2102904281.6	5.6	721602397.0	3.5	5958201235.6	12.7
TSUKUBA 7311	-3957172858.1	10.7	3310237885.2	9.4	3737709051.5	10.9
VERNAL 7290	-1631473166.1	3.4	-4589128954.8	8.4	4106759857.2	7.1
VICTORIA 7289	-2341309963.3	10.5	-3539083900.4	15.9	4745768352.8	20.4
VNDNBERG 7223	-2678094618.2	.8	-4525450872.9	1.6	3597410126.9	2.0
WESTFORD 7209	1492206805.2	0.0	-4458130527.7	0.0	4296015440.3	0.0
WETTZELL 7224	4075540092.0	1.6	931735106.2	.9	4801629229.7	2.7
WHTHORSE 7284	-2215213475.9	4.7	-2209261644.3	4.6	5540292513.3	11.1
YAKATAGA 7277	-2529744115.5	7.4	-1942091307.2	5.9	5505027838.6	15.5
YELLOWKN 7285	-1224124372.3	30.8	-2689530723.1	67.0	5633555408.1	140.2
YUMA 7894	-2196777797.3	2.9	-4887337097.9	6.3	3448425218.6	4.6

Table 5.11 Site Positions at January 1.5, 1989

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918034946.8	.7	-4346132264.9	2.2	4561971080.6	2.2
AUSTINTX	7271	-737793690.3	3.6	-5459892295.1	15.9	3202990434.5	9.4
BERMUDA	7294	2307209601.3	4.7	-4874215847.2	10.6	3394317815.6	6.9
BLKBUTTE	7269	-2306306842.8	7.4	-4787914453.3	15.3	3515736387.6	10.8
BLOOMIND	7291	302384563.4	11.9	-4941699059.4	35.6	4007908423.5	29.1
BREST	7604	4228877256.9	8.7	-333104329.3	2.5	4747180844.2	9.8
CARNUSTY	7603	3526416529.7	11.3	-171421245.6	3.7	5294098715.4	15.5
CARROLGA	7228	453520740.1	9.4	-5300506789.3	34.9	3507207374.2	21.4
CHLBOLTN	7215	4008310203.3	8.4	-100650887.3	4.4	4943794651.6	10.9
DEADMANL	7267	-2336819584.2	14.9	-4732587064.7	28.1	3570330009.0	20.0
DSS15	7231	-2353538646.4	2.7	-4641649554.8	5.1	3676669988.1	5.3
DSS45	1642	-4460935132.4	10.3	2682765758.8	7.3	-3674381560.9	6.4
DSS65	1665	4849336816.5	2.8	-360488947.4	1.6	4114748644.2	3.8
EFLSBERG	7203	4033947640.2	38.9	486990366.8	17.9	4900430666.3	50.9
ELY	7286	-2077236197.7	3.4	-4486712746.6	7.2	4018753718.9	6.1
FLAGSTAF	7261	-1923992566.1	4.8	-4850854567.6	11.4	3658589280.3	9.0
FORT ORD	7266	-2697026675.4	8.2	-4354393329.0	13.1	3788077616.2	11.2
FORTORDS	7241	-2699840143.8	5.0	-4359127084.3	7.9	3781051008.6	6.9
FTD 7900	7900	-1324227830.0	3.6	-5332063079.6	12.6	3232023010.3	7.5
GILCREEK	7225	-2281547058.2	.9	-1453645083.1	1.6	5756993209.0	2.2
GOLDVENU	1513	-2351129023.0	2.2	-4655477113.2	4.2	3660956886.8	4.0
GORF7102	7102	1130686698.9	2.9	-4831353050.7	10.0	3994110847.4	8.4
GRASSE	7605	4581697821.8	6.5	556125606.3	2.2	4389351302.2	7.1
HALEAKAL	7120	-5465998418.0	14.0	-2404408535.2	7.2	2242228494.0	7.0
HARTRAO	7232	5085442770.1	8.0	2668263383.2	5.3	-2768697243.1	5.2
HATCREEK	7218	-2523969826.4	.8	-4123506389.6	1.7	4147752574.4	2.1
HAYSTACK	7205	1492404929.6	.3	-4457266531.5	.7	4296881672.6	.7
HOBART26	7242	-3950236478.6	18.9	2522347559.8	13.5	-4311562858.1	15.5
HOHENFRG	7600	3778215038.7	5.3	698644633.3	1.9	5074053472.5	7.1
JPL MV1	7263	-2493305899.4	6.4	-4655197620.1	11.6	3565519328.5	8.8
KASHIM34	1857	-3997649204.0	3.7	3276690730.1	2.6	3724278965.9	5.1
KASHIMA	1856	-3997892224.2	3.2	3276581236.0	2.1	3724118360.9	4.7
KAUAI	1311	-5543845946.5	2.0	-2054564151.4	2.6	2387813862.6	3.4
KODIAK	7278	-3026940069.7	4.9	-1575911830.3	3.2	5370362503.7	8.3
KWAJAL26	4968	-6143536449.8	13.8	1363997252.3	4.9	1034707485.8	6.5
LEONRDOK	7292	-522231466.9	3.7	-5145676910.8	18.6	3720152309.5	12.3
MAMMOTHL	7259	-2448246641.6	20.6	-4426738301.7	37.0	3875435837.0	31.2
MARCUS	7310	-5227446757.3	15.7	2551379214.8	9.0	2607604814.6	12.9
MARPOINT	7217	1106629487.7	1.2	-4882907203.7	3.9	3938086893.4	3.2
MATERA	7243	4641939012.7	5.6	1393002873.5	2.7	4133325395.6	6.4
MCD 7850	7850	-1330008037.2	2.7	-5328391599.7	10.1	3236502690.0	6.2
MEDICINA	7230	4461370192.6	2.6	919596669.0	1.3	4449559055.1	3.7
METSHOVI	7601	2890652930.4	7.7	1310295201.8	4.3	5513958590.6	12.7
MILESMON	7038	-1204438888.0	9.2	-4239211137.3	29.1	4596266033.3	29.3
MIYAZAKI	7312	-3582767788.2	31.0	4052033990.5	32.7	3369020647.7	31.3
MOJ 7288	7288	-2356493998.3	5.7	-4646607715.5	10.9	3668426602.1	8.3
MOJAVE12	7222	-2356170876.6	.4	-4646755919.8	1.4	3668470585.7	1.8
MON PEAK	7274	-2386289314.3	3.0	-4802346580.1	6.0	3444883961.8	4.5
NOBEY 6M	7244	-3871168196.3	10.3	3428273957.5	9.1	3723697717.5	11.4
NOME	7279	-2658150337.5	7.2	-693821952.6	3.2	5737236633.6	14.9
NOTO	7547	4934563315.6	4.8	1321201126.7	2.1	3806484292.4	5.2
NRAO 140	7204	882880068.0	1.5	-4924482324.2	4.9	3944130596.5	4.0
NRAO85 3	7214	882325750.6	1.3	-4925137995.6	4.0	3943397581.0	3.2
OCOTILLO	7270	-2335600997.6	12.7	-4832244277.8	25.9	3434392499.4	18.4
ONSALA60	7213	3370606210.7	1.8	711917357.1	1.0	5349830607.3	3.0

Table 5.11 (continued)

Site Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853 7853	-2410421115.0	4.5	-4477800436.1	8.3	3838690296.8	6.7
OVRO 130 7207	-2409600636.2	1.5	-4478349572.5	3.0	3838603191.1	2.9
PBLOSSOM 7254	-2464070814.3	10.2	-4649425645.8	19.2	3593905679.7	14.2
PENTICTN 7283	-2058840303.6	8.1	-3621286455.5	12.7	4814420758.0	17.1
PIETOWN 7234	-1640953537.0	.7	-5014816042.7	1.9	3575411886.2	2.0
PINFLATS 7256	-2369635844.9	4.6	-4761324937.5	9.1	3511116125.7	7.0
PLATTVIL 7258	-1240708017.5	1.9	-4720454389.6	5.8	4094481618.0	5.0
PRESIDIO 7252	-2707704746.3	7.9	-4257609597.2	12.1	3888374142.9	10.9
PT REYES 7251	-2732332998.6	3.9	-4217634907.1	6.0	3914491053.3	5.5
PVERDES 7268	-2525452699.1	5.3	-4670035682.6	9.7	3522886751.7	7.4
QUINCY 7221	-2517230783.9	3.0	-4198595254.6	5.1	4076531258.5	4.9
RICHMOND 7219	961258187.9	.7	-5674090057.4	1.2	2740533703.5	.9
ROBLED32 1561	4849245373.4	52.3	-360278278.0	12.6	4114884419.4	46.1
SANPAULA 7255	-2554476581.0	6.0	-4608627405.7	10.6	3582138297.2	8.2
SEATTLE1 7229	-2295347861.8	9.7	-3638029488.6	17.7	4693408656.4	21.0
SESHAN25 7227	-2831686639.2	4.9	4675733773.8	4.2	3275327835.8	6.2
SEST 7239	1838237885.2	9.3	-5258699171.1	16.9	-3100588931.6	8.9
SHANGHAI 7226	-2847698159.9	123.5	4659872845.4	107.2	3283958905.4	96.3
SNDPOINT 7280	-3425461804.1	6.0	-1214669170.0	3.1	5223858269.5	8.9
SOURDOGH 7281	-2419993371.2	4.6	-1664228794.8	3.6	5643538275.3	10.4
TITIJIMA 7844	-4489356702.1	56.5	3482989507.3	44.2	2887931271.6	45.0
TROMSONO 7602	2102904264.3	5.6	721602410.1	3.5	5958201240.1	12.7
TSUKUBA 7311	-3957172844.0	15.1	3310237880.3	13.2	3737709019.1	14.9
VERNAL 7290	-1631473184.6	3.2	-4589128958.7	7.8	4106759852.3	6.7
VICTORIA 7289	-2341309981.7	10.5	-3539083901.3	15.9	4745768343.0	20.4
VNDNBERG 7223	-2678094649.4	.8	-4525450837.3	1.8	3597410143.2	2.1
WESTFORD 7209	1492206788.2	0.0	-4458130529.1	0.0	4296015444.7	0.0
WETTZELL 7224	4075540078.4	1.8	931735121.5	1.1	4801629234.7	3.1
WHTHORSE 7284	-2215213499.5	4.5	-2209261634.8	4.5	5540292493.0	10.3
YAKATAGA 7277	-2529744143.0	5.0	-1942091285.5	4.1	5505027875.7	10.4
YELLOWKN 7285	-1224124393.2	41.7	-2689530745.3	90.8	5633555450.6	190.1
YUMA 7894	-2196777816.6	4.5	-4887337100.6	9.9	3448425211.1	7.0

Table 5.12 Site Positions at January 1.5, 1990

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918034929.5	.7	-4346132266.9	2.0	4561971082.6	2.0
AUSTINTX	7271	-737793703.2	3.6	-5459892295.8	15.9	3202990430.3	9.4
BERMUDA	7294	2307209587.8	4.7	-4874215848.5	10.6	3394317823.0	6.9
BLKBUTTE	7269	-2306306859.3	10.4	-4787914437.2	21.6	3515736371.4	15.2
BLOOMIND	7291	302384547.6	11.9	-4941699060.6	35.6	4007908423.4	29.1
BREST	7604	4228877246.1	8.7	-333104310.4	2.5	4747180855.1	9.8
CARNUSTY	7603	3526416517.1	11.3	-171421228.6	3.7	5294098724.4	15.5
CARROLGA	7228	453520726.0	9.4	-5300506790.3	34.9	3507207374.5	21.4
CHLBOLTN	7215	4008310191.3	8.4	-100650869.0	4.4	4943794661.7	10.9
DEADMANL	7267	-2336819629.9	24.2	-4732587107.6	46.0	3570330038.2	32.3
DSS15	7231	-2353538658.6	5.8	-4641649537.4	10.7	3676669974.3	10.5
DSS45	1642	-4460935145.4	8.3	2682765744.9	6.6	-3674381514.9	6.4
DSS65	1665	4849336813.1	3.8	-360488926.5	1.8	4114748659.0	4.9
EFLSBERG	7203	4033947628.6	43.7	486990382.6	20.2	4900430674.4	57.4
ELY	7286	-2077236216.7	4.7	-4486712739.5	10.0	4018753705.3	8.5
FLAGSTAF	7261	-1923992586.7	6.2	-4850854573.1	14.7	3658589276.7	11.6
FORT ORD	7266	-2697026707.7	11.1	-4354393296.1	17.8	3788077636.1	15.2
FORTORDS	7241	-2699840176.1	4.0	-4359127051.4	6.5	3781051028.6	5.6
FTD 7900	7900	-1324227843.1	3.6	-5332063080.3	12.6	3232023003.9	7.5
GILCREEK	7225	-2281547081.1	1.1	-1453645080.7	2.0	5756993197.3	2.7
GOLDVENU	1513	-2351129041.6	2.7	-4655477103.7	5.1	3660956879.2	4.7
GORF7102	7102	1130686683.1	2.9	-4831353051.9	10.0	3994110850.3	8.4
GRASSE	7605	4581697809.0	6.5	556125625.9	2.2	4389351313.1	7.1
HALEAKAL	7120	-5465998434.8	14.0	-2404408468.1	7.4	2242228523.8	7.1
HARTRAO	7232	5085442778.1	8.4	2668263396.2	6.1	-2768697231.7	5.9
HATCREEK	7218	-2523969847.3	.9	-4123506378.9	2.2	4147752564.8	2.3
HAYSTACK	7205	1492404912.8	.4	-4457266532.1	.8	4296881676.4	.8
HOBART26	7242	-3950236477.4	9.3	2522347549.4	7.5	-4311562834.3	7.2
HOHENFRG	7600	3778215023.7	5.3	698644650.9	1.9	5074053481.3	7.1
JPL MV1	7263	-2493305933.7	8.3	-4655197596.5	15.1	3565519334.5	11.4
KASHIM34	1857	-3997649200.1	4.3	3276690737.5	2.9	3724278947.4	6.2
KASHIMA	1856	-3997892220.3	4.0	3276581243.3	2.6	3724118342.4	6.0
KAUAI	1311	-5543845959.0	1.9	-2054564083.3	3.1	2387813892.3	3.6
KODIAK	7278	-3026940094.1	6.8	-1575911821.3	4.3	5370362503.7	11.5
KWAJAL26	4968	-6143536427.5	17.9	1363997325.6	6.3	1034707507.0	8.3
LEONRDOK	7292	-522231481.8	3.7	-5145676911.7	18.6	3720152306.2	12.3
MAMMOTHL	7259	-2448246657.3	26.1	-4426738272.1	46.8	3875435818.6	39.3
MARCUS	7310	-5227446717.5	15.7	2551379273.4	9.0	2607604837.0	12.9
MARPOINT	7217	1106629470.4	1.5	-4882907201.1	4.7	3938086893.8	3.8
MATERA	7243	4641938997.8	5.6	1393002893.1	2.7	4133325405.8	6.4
MCD 7850	7850	-1330008050.3	2.7	-5328391600.4	10.1	3236502683.6	6.2
MEDICINA	7230	4461370180.6	2.9	919596687.2	1.6	4449559066.2	4.2
METSHOVI	7601	2890652912.3	7.7	1310295217.0	4.3	5513958596.5	12.7
MILESMON	7038	-1204438905.9	9.2	-4239211138.3	29.1	4596266027.7	29.3
MIYAZAKI	7312	-3582767785.7	52.6	4052033986.7	54.9	3369020622.8	52.9
MOJ 7288	7288	-2356494014.6	5.7	-4646607704.0	10.9	3668426594.2	8.3
MOJAVE12	7222	-2356170892.9	.4	-4646755908.3	1.7	3668470577.7	2.0
MON PEAK	7274	-2386289348.8	3.9	-4802346545.6	7.9	3444883967.4	5.7
NOBEY 6M	7244	-3871168209.7	10.3	3428273957.2	9.1	3723697703.9	11.4
NOME	7279	-2658150364.6	8.9	-693821954.9	4.0	5737236627.3	18.4
NOTO	7547	4934563308.0	3.6	1321201140.3	2.0	3806484316.5	4.6
NRAO 140	7204	882880050.7	1.7	-4924482321.8	5.5	3944130596.6	4.6
NRAO85 3	7214	882325738.4	.6	-4925138005.9	1.7	3943397592.6	1.4
OCOTILLO	7270	-2335601011.3	12.7	-4832244278.3	25.9	3434392489.4	18.4
ONSALA60	7213	3370606199.4	2.3	711917371.1	1.3	5349830613.4	3.7

Table 5.12 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410421133.5	4.6	-4477800422.6	8.5	3838690288.2	6.9
OVRO 130	7207	-2409600654.6	1.7	-4478349559.0	3.6	3838603182.5	3.4
PBLOSSOM	7254	-2464070835.1	13.2	-4649425616.6	24.8	3593905674.4	18.4
PENTICTN	7283	-2058840329.4	9.2	-3621286466.6	14.3	4814420766.4	19.5
PIETOWN	7234	-1640953551.7	.5	-5014816033.6	1.6	3575411873.5	1.7
PINFLATS	7256	-2369635870.2	6.3	-4761324914.9	12.6	3511116125.3	9.5
PLATTVIL	7258	-1240708035.6	2.5	-4720454388.0	7.5	4094481609.0	6.5
PRESIDIO	7252	-2707704769.2	7.5	-4257609566.8	11.6	3888374146.3	10.4
PT REYES	7251	-2732333024.5	5.6	-4217634874.3	8.5	3914491067.5	7.7
PVERDES	7268	-2525452726.6	7.0	-4670035645.0	12.7	3522886756.2	9.6
QUINCY	7221	-2517230804.5	4.0	-4198595239.4	6.7	4076531246.9	6.4
RICHMOND	7219	961258176.6	.7	-5674090058.3	1.1	2740533705.6	.9
ROBLED32	1561	4849245369.9	53.8	-360278257.0	13.1	4114884434.2	48.0
SANPAULA	7255	-2554476616.5	7.8	-4608627381.5	13.7	3582138308.8	10.5
SEATTLE1	7229	-2295347870.6	10.2	-3638029473.5	16.9	4693408629.7	21.6
SESHAN25	7227	-2831686658.9	5.1	4675733757.9	3.6	3275327810.8	7.0
SEST	7239	1838237885.3	9.3	-5258699176.2	16.9	-3100588923.0	8.9
SHANGHAI	7226	-2847698179.6	123.7	4659872829.5	107.6	3283958880.3	96.7
SNDPOINT	7280	-3425461825.4	7.4	-1214669159.5	3.8	5223858252.4	11.0
SOURDOGH	7281	-2419993398.3	5.8	-1664228789.8	4.5	5643538257.8	13.0
TITIJIMA	7844	-4489356748.3	100.7	3482989562.0	77.7	2887931321.6	79.5
TROMSONO	7602	2102904247.0	5.6	721602423.1	3.5	5958201244.7	12.7
TSUKUBA	7311	-3957172830.0	21.0	3310237875.3	18.3	3737708986.7	20.4
VERNAL	7290	-1631473202.9	4.3	-4589128962.6	10.7	4106759847.5	9.4
VICTORIA	7289	-2341310000.2	10.5	-3539083902.2	15.9	4745768333.3	20.4
VNDNBERG	7223	-2678094680.6	1.1	-4525450801.6	2.4	3597410159.5	2.4
WESTFORD	7209	1492206771.4	0.0	-4458130530.5	0.0	4296015449.2	0.0
WETTZELL	7224	4075540064.9	2.4	931735136.8	1.4	4801629239.6	3.8
WHTHORSE	7284	-2215213523.0	6.9	-2209261625.2	6.7	5540292472.8	15.6
YAKATAGA	7277	-2529744170.5	5.7	-1942091263.8	4.8	5505027912.6	11.8
YELLOWKN	7285	-1224124414.0	52.7	-2689530767.5	114.6	5633555492.9	240.1
YUMA	7894	-2196777835.7	6.5	-4887337103.4	14.2	3448425203.7	10.0

Table 5.13 Site Positions at January 1.5, 1991

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918034912.1	.8	-4346132268.9	2.4	4561971084.5	2.4
AUSTINTX	7271	-737793716.2	3.6	-5459892296.5	15.9	3202990426.1	9.4
BERMUDA	7294	2307209574.2	4.7	-4874215849.8	10.6	3394317830.4	6.9
BLKBUTTE	7269	-2306306875.7	13.6	-4787914421.0	28.3	3515736355.2	19.9
BLOOMIND	7291	302384531.7	11.9	-4941699061.7	35.6	4007908423.2	29.1
BREST	7604	4228877235.4	8.7	-333104291.6	2.5	4747180866.1	9.8
CARNUSTY	7603	3526416504.4	11.3	-171421211.5	3.7	5294098733.4	15.5
CARROLGA	7228	453520712.0	9.4	-5300506791.3	34.9	3507207374.8	21.4
CHLBOLTN	7215	4008310179.3	8.4	-100650850.7	4.4	4943794671.8	10.9
DEADMANL	7267	-2336819675.5	33.8	-4732587150.6	64.6	3570330067.5	45.2
DSS15	7231	-2353538670.8	9.5	-4641649519.9	17.8	3676669960.6	16.9
DSS45	1642	-4460935158.3	11.8	2682765730.9	9.2	-3674381469.0	8.7
DSS65	1665	4849336809.7	6.9	-360488905.5	2.7	4114748673.8	7.9
EFLSBERG	7203	4033947617.0	48.6	486990398.3	22.5	4900430682.4	63.9
ELY	7286	-2077236235.6	6.4	-4486712732.5	13.7	4018753691.7	11.7
FLAGSTAF	7261	-1923992607.2	7.9	-4850854578.7	18.7	3658589273.1	14.8
FORT ORD	7266	-2697026740.0	14.2	-4354393263.3	22.8	3788077656.1	19.4
FORTORDS	7241	-2699840208.5	5.5	-4359127018.5	9.0	3781051048.5	7.7
FTD 7900	7900	-1324227856.1	3.6	-5332063080.9	12.6	3232022997.5	7.5
GILCREEK	7225	-2281547103.9	1.4	-1453645078.3	2.5	5756993185.5	3.4
GOLDVENU	1513	-2351129060.2	3.1	-4655477094.2	6.0	3660956871.6	5.5
GORF7102	7102	1130686667.3	2.9	-4831353053.2	10.0	3994110853.3	8.4
GRASSE	7605	4581697796.2	6.5	556125645.5	2.2	4389351323.9	7.1
HALEAKAL	7120	-5465998451.7	14.0	-2404408400.9	7.7	2242228553.7	7.3
HARTRAO	7232	5085442786.0	10.7	2668263409.2	7.8	-2768697220.4	7.3
HATCREEK	7218	-2523969868.1	1.2	-4123506368.1	2.8	4147752555.3	2.8
HAYSTACK	7205	1492404895.9	.5	-4457266532.6	1.0	4296881680.2	1.0
HOBART26	7242	-3950236476.2	13.9	2522347539.1	10.9	-4311562810.4	11.0
HOHENFRG	7600	3778215008.7	5.3	698644668.6	1.9	5074053490.0	7.1
JPL MV1	7263	-2493305968.0	10.4	-4655197572.8	18.8	3565519340.6	14.1
KASHIM34	1857	-3997649196.2	5.1	3276690744.8	3.4	3724278928.9	7.6
KASHIMA	1856	-3997892216.4	5.0	3276581250.7	3.2	3724118323.9	7.6
KAUAI	1311	-5543845971.5	1.8	-2054564015.1	3.8	2387813922.0	4.0
KODIAK	7278	-3026940118.4	9.7	-1575911812.4	5.9	5370362503.7	16.3
KWAJAL26	4968	-6143536405.3	22.3	1363997398.8	7.8	1034707528.1	10.3
LEONRDOK	7292	-522231496.6	3.7	-5145676912.6	18.6	3720152302.9	12.3
MAMMOTHL	7259	-2448246672.9	31.7	-4426738242.5	56.8	3875435800.1	47.7
MARCUS	7310	-5227446677.7	15.7	2551379332.0	9.0	2607604859.4	12.9
MARPOINT	7217,	1106629453.1	1.8	-4882907198.5	5.9	3938086894.1	4.8
MATERA	7243	4641938982.9	5.6	1393002912.6	2.7	4133325416.0	6.4
MCD 7850	7850	-1330008063.3	2.7	-5328391601.0	10.1	3236502677.2	6.2
MEDICINA	7230	4461370168.6	4.1	919596705.4	2.2	4449559077.3	5.5
METSHOVI	7601	2890652894.2	7.7	1310295232.2	4.3	5513958602.4	12.7
MILESMON	7038	-1204438923.9	9.2	-4239211139.3	29.1	4596266022.0	29.3
MIYAZAKI	7312	-3582767783.2	77.5	4052033982.8	80.5	3369020597.9	77.9
MOJ 7288	7288	-2356494031.0	5.8	-4646607692.5	11.0	3668426586.2	8.4
MOJAVE12	7222	-2356170909.3	.5	-4646755896.8	2.2	3668470569.7	2.2
MON PEAK	7274	-2386289383.3	5.0	-4802346511.0	10.1	3444883973.0	7.2
NOBEY 6M	7244	-3871168223.2	10.3	3428273956.8	9.1	3723697690.2	11.4
NOME	7279	-2658150391.6	10.9	-693821957.1	4.9	5737236620.9	22.6
NOTO	7547	4934563300.5	6.1	1321201153.9	3.1	3806484340.5	6.6
NRAO 140	7204	882880033.4	1.9	-4924482319.4	6.2	3944130596.7	5.2
NRAO85 3	7214	882325726.2	.9	-4925138016.2	2.7	3943397604.1	2.3
OCOTILLO	7270	-2335601025.1	12.7	-4832244278.8	25.9	3434392479.3	18.4
ONSALA60	7213	3370606188.1	2.9	711917385.2	1.6	5349830619.5	4.6

Table 5.13 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410421152.0	4.7	-4477800409.2	8.8	3838690279.6	7.2
OVRO 130	7207	-2409600673.1	2.0	-4478349545.6	4.3	3838603173.9	4.0
PBLOSSOM	7254	-2464070855.9	16.3	-4649425587.3	30.7	3593905669.2	22.7
PENTICTN	7283	-2058840355.1	11.2	-3621286477.7	17.3	4814420774.9	23.6
PIETOWN	7234	-1640953566.3	.9	-5014816024.4	2.6	3575411860.9	2.4
PINFLATS	7256	-2369635895.6	8.2	-4761324892.2	16.3	3511116124.9	12.3
PLATTVIL	7258	-1240708053.7	3.2	-4720454386.5	9.7	4094481600.1	8.3
PRESIDIO	7252	-2707704792.1	8.0	-4257609536.5	12.4	3888374149.7	11.1
PT REYES	7251	-2732333050.4	7.7	-4217634841.6	11.8	3914491081.8	10.7
PVERDES	7268	-2525452754.2	9.7	-4670035607.5	17.6	3522886760.8	13.3
QUINCY	7221	-2517230825.1	5.2	-4198595224.3	8.7	4076531235.4	8.2
RICHMOND	7219	961258165.3	.7	-5674090059.3	1.1	2740533707.6	.9
ROBLED32	1561	4849245366.5	55.5	-360278236.1	13.7	4114884448.9	50.1
SANPAULA	7255	-2554476652.1	10.4	-4608627357.3	18.5	3582138320.4	14.2
SEATTLE1	7229	-2295347879.5	12.9	-3638029458.4	21.2	4693408603.0	27.3
SESHAN25	7227	-2831686678.7	7.0	4675733742.0	5.8	3275327785.7	9.4
SEST	7239	1838237885.4	9.3	-5258699181.2	16.9	-3100588914.4	8.9
SHANGHAI	7226	-2847698199.3	124.1	4659872813.5	108.1	3283958855.2	97.3
SNDPOINT	7280	-3425461846.6	10.7	-1214669148.9	5.2	5223858235.2	15.8
SOURDOGH	7281	-2419993425.4	8.8	-1664228784.7	6.7	5643538240.3	19.9
TITIJIMA	7844	-4489356794.5	150.1	3482989616.7	116.2	2887931371.5	118.6
TROMSONO	7602	2102904229.8	5.6	721602436.2	3.5	5958201249.2	12.7
TSUKUBA	7311	-3957172816.0	27.5	3310237870.4	23.8	3737708954.3	26.5
VERNAL	7290	-1631473221.3	6.1	-4589128966.5	15.3	4106759842.6	13.5
VICTORIA	7289	-2341310018.6	10.5	-3539083903.1	15.9	4745768323.5	20.4
VNDNBERG	7223	-2678094711.7	1.4	-4525450766.0	3.1	3597410175.7	2.9
WESTFORD	7209	1492206754.5	0.0	-4458130531.9	0.0	4296015453.6	0.0
WETTZELL	7224	4075540051.5	3.1	931735152.1	1.7	4801629244.6	4.7
WHTHORSE	7284	-2215213546.6	10.1	-2209261615.7	9.8	5540292452.5	23.2
YAKATAGA	7277	-2529744198.0	8.9	-1942091242.1	7.3	5505027949.6	18.4
YELLOWKN	7285	-1224124434.8	63.6	-2689530789.6	138.5	5633555535.3	290.2
YUMA	7894	-2196777854.9	8.5	-4887337106.1	18.8	3448425196.2	13.1

Table 5.14 Site Positions at January 1.5, 1992

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
ALGOPARK	7282	918034894.8	1.0	-4346132270.9	3.1	4561971086.4	3.1
AUSTINTX	7271	-737793729.1	3.6	-5459892297.2	15.9	3202990421.8	9.4
BERMUDA	7294	2307209560.7	4.7	-4874215851.0	10.6	3394317837.8	6.9
BLKBUTTE	7269	-2306306892.1	16.9	-4787914404.9	35.1	3515736339.1	24.7
BLOOMIND	7291	302384515.8	11.9	-4941699062.8	35.6	4007908423.0	29.1
BREST	7604	4228877224.6	8.7	-333104272.9	2.5	4747180877.0	9.8
CARNUSTY	7603	3526416491.7	11.3	-171421194.4	3.7	5294098742.4	15.5
CARROLGA	7228	453520697.9	9.4	-5300506792.3	34.9	3507207375.1	21.4
CHLBOLTN	7215	4008310167.2	8.4	-100650832.5	4.4	4943794682.0	10.9
DEADMANL	7267	-2336819721.1	43.5	-4732587193.5	83.4	3570330096.7	58.3
DSS15	7231	-2353538682.9	13.3	-4641649502.5	25.1	3676669946.8	23.6
DSS45	1642	-4460935171.3	17.9	2682765716.9	13.3	-3674381423.1	12.2
DSS65	1665	4849336806.3	10.3	-360488884.5	3.7	4114748688.6	11.5
EFLSBERG	7203	4033947605.4	53.5	486990414.1	24.9	4900430690.5	70.4
ELY	7286	-2077236254.6	8.3	-4486712725.4	17.8	4018753678.1	15.1
FLAGSTAF	7261	-1923992627.7	9.8	-4850854584.2	23.2	3658589269.5	18.3
FORT ORD	7266	-2697026772.3	17.4	-4354393230.5	28.0	3788077676.0	23.9
FORTORDS	7241	-2699840240.9	8.2	-4359126985.6	13.3	3781051068.5	11.4
FTD 7900	7900	-1324227869.1	3.6	-5332063081.6	12.6	3232022991.1	7.5
GILCREEK	7225	-2281547126.8	1.8	-1453645075.9	3.0	5756993173.8	4.1
GOLDVENU	1513	-2351129078.8	3.7	-4655477084.8	7.1	3660956863.9	6.4
GORF7102	7102	1130686651.5	2.9	-4831353054.4	10.0	3994110856.3	8.4
GRASSE	7605	4581697783.4	6.5	556125665.1	2.2	4389351334.8	7.1
HALEAKAL	7120	-5465998468.6	14.0	-2404408333.8	8.1	2242228583.6	7.6
HARTRAO	7232	5085442794.0	13.9	2668263422.2	10.0	-2768697209.1	9.0
HATCREEK	7218	-2523969889.0	1.5	-4123506357.4	3.5	4147752545.7	3.4
HAYSTACK	7205	1492404879.0	.6	-4457266533.1	1.2	4296881684.0	1.2
HOBART26	7242	-3950236475.0	26.1	2522347528.7	19.3	-4311562786.5	21.1
HOHENFRG	7600	3778214993.8	5.3	698644686.2	1.9	5074053498.7	7.1
JPL MV1	7263	-2493306002.3	12.5	-4655197549.2	22.7	3565519346.6	17.0
KASHIM34	1857	-3997649192.4	6.0	3276690752.2	3.9	3724278910.4	9.2
KASHIMA	1856	-3997892212.5	6.1	3276581258.0	3.9	3724118305.4	9.3
KAUAI	1311	-5543845984.0	1.9	-2054563946.9	4.5	2387813951.7	4.5
KODIAK	7278	-3026940142.7	12.9	-1575911803.5	7.8	5370362503.6	21.7
KWAJAL26	4968	-6143536383.0	26.8	1363997472.0	9.4	1034707549.2	12.5
LEONRDOK	7292	-522231511.4	3.7	-5145676913.5	18.6	3720152299.6	12.3
MAMMOTHL	7259	-2448246688.6	37.4	-4426738212.9	66.9	3875435781.7	56.2
MARCUS	7310	-5227446637.9	15.7	2551379390.6	9.0	2607604881.8	12.9
MARPOINT	7217	1106629435.8	2.3	-4882907195.9	7.3	3938086894.5	5.9
MATERA	7243	4641938968.0	5.6	1393002932.1	2.7	4133325426.2	6.4
MCD 7850	7850	-1330008076.4	2.7	-5328391601.6	10.1	3236502670.8	6.2
MEDICINA	7230	4461370156.6	5.6	919596723.6	2.9	4449559088.3	7.1
METSHOVI	7601	2890652876.1	7.7	1310295247.4	4.3	5513958608.3	12.7
MILESMON	7038	-1204438941.9	9.2	-4239211140.3	29.1	4596266016.4	29.3
MIYAZAKI	7312	-3582767780.7	103.3	4052033978.9	107.0	3369020573.1	103.8
MOJ 7288	7288	-2356494047.3	5.8	-4646607681.0	11.1	3668426578.2	8.5
MOJAVE12	7222	-2356170925.6	.6	-4646755885.3	2.8	3668470561.8	2.6
MON PEAK	7274	-2386289417.8	6.1	-4802346476.5	12.3	3444883978.6	8.8
NOBEY 6M	7244	-3871168236.6	10.3	3428273956.5	9.1	3723697676.6	11.4
NOME	7279	-2658150418.7	13.1	-693821959.4	5.9	5737236614.6	27.1
NOTO	7547	4934563293.0	9.8	1321201167.4	4.6	3806484364.5	9.8
NRAO 140	7204	882880016.1	2.1	-4924482317.0	7.0	3944130596.8	5.8
NRAO85 3	7214	882325714.0	1.8	-4925138026.5	5.4	3943397615.7	4.4
OCOTILLO	7270	-2335601038.7	12.7	-4832244279.4	25.9	3434392469.2	18.4
ONSALA60	7213	3370606176.8	3.6	711917399.2	2.0	5349830625.6	5.6

Table 5.14 (continued)

Site	Mon.	X (mm)	Error (mm)	Y (mm)	Error (mm)	Z (mm)	Error (mm)
OVR 7853	7853	-2410421170.4	4.8	-4477800395.8	9.1	3838690271.0	7.5
OVRO 130	7207	-2409600691.6	2.3	-4478349532.2	5.1	3838603165.3	4.7
PBLOSSOM	7254	-2464070876.7	19.5	-4649425558.1	36.7	3593905663.9	27.1
PENTICTN	7283	-2058840380.9	13.6	-3621286488.8	21.1	4814420783.3	28.7
PIETOWN	7234	-1640953581.0	1.5	-5014816015.3	4.0	3575411848.2	3.5
PINFLATS	7256	-2369635920.9	10.2	-4761324869.6	20.2	3511116124.5	15.2
PLATTVIL	7258	-1240708071.9	3.9	-4720454384.9	12.0	4094481591.1	10.3
PRESIDIO	7252	-2707704815.0	9.3	-4257609506.1	14.5	3888374153.1	12.9
PT REYES	7251	-2732333076.3	10.1	-4217634808.8	15.4	3914491096.0	14.0
PVERDES	7268	-2525452781.7	12.9	-4670035569.9	23.3	3522886765.3	17.5
QUINCY	7221	-2517230845.8	6.6	-4198595209.1	10.9	4076531223.8	10.3
RICHMOND	7219	961258154.1	.7	-5674090060.2	1.2	2740533709.6	1.0
ROBLED32	1561	4849245363.1	57.3	-360278215.1	14.4	4114884463.7	52.4
SANPAULA	7255	-2554476687.6	13.5	-4608627333.1	24.0	3582138332.0	18.3
SEATTLE1	7229	-2295347888.4	16.8	-3638029443.3	28.3	4693408576.3	35.8
SESHAN25	7227	-2831686698.4	9.6	4675733726.1	9.0	3275327760.7	12.5
SEST	7239	1838237885.5	9.3	-5258699186.3	16.9	-3100588905.7	8.9
SHANGHAI	7226	-2847698219.1	124.5	4659872797.6	108.7	3283958830.2	98.0
SNDPOINT	7280	-3425461867.9	14.5	-1214669138.4	6.9	5223858218.1	21.4
SOURDOGH	7281	-2419993452.5	12.4	-1664228779.7	9.2	5643538222.8	28.1
TITIJIMA	7844	-4489356840.7	201.1	3482989671.3	156.1	2887931421.5	159.0
TROMSONO	7602	2102904212.5	5.6	721602449.2	3.5	5958201253.7	12.7
TSUKUBA	7311	-3957172801.9	34.2	3310237865.4	29.5	3737708921.9	32.9
VERNAL	7290	-1631473239.7	8.1	-4589128970.4	20.4	4106759837.8	17.9
VICTORIA	7289	-2341310037.0	10.5	-3539083903.9	15.9	4745768313.8	20.4
VNDNBERG	7223	-2678094742.9	1.8	-4525450730.4	3.9	3597410192.0	3.4
WESTFORD	7209	1492206737.6	0.0	-4458130533.2	0.0	4296015458.0	0.0
WETTZELL	7224	4075540038.0	3.8	931735167.4	2.2	4801629249.5	5.6
WHTHORSE	7284	-2215213570.1	13.6	-2209261606.1	13.2	5540292432.3	31.4
YAKATAGA	7277	-2529744225.4	12.7	-1942091220.4	10.4	5505027986.5	26.5
YELLOWKN	7285	-1224124455.7	74.6	-2689530811.7	162.4	5633555577.6	340.4
YUMA	7894	-2196777874.1	10.7	-4887337108.8	23.5	3448425188.8	16.4

6.0 Baseline Statistics Summaries from GLB754

Table 6.1 presents information about the mean lengths of the baselines. "num obs" is the number of observing sessions. The span in decimal years extends from the earliest to the most recent session included in this report. The mean value is the weighted mean and the formal error of the mean is its one-sigma standard statistical error. The weighted rms and the reduced χ^2 of the fit to the mean are given in the last two columns. Table 6.2 presents information about the rates of change (slope) of baseline length for those baselines in Table 6.1 for which there were at least five observations spanning at least two years. The rate of change was computed from a weighted linear fit to the individual session values and the formal errors are one-sigma standard statistical errors. The weighted rms and reduced χ^2 of the fit to the line are given in columns four and five. The "epoch value" is the estimated baseline length for January 1, 1988 from the linear fit. The correlation given is the correlation of the error of the slope to the error of the epoch value. Tables 6.3 and 6.4 contain the statistics of the transverse and vertical baseline components. Neither table gives mean values, epoch values, or correlations since the transverse and vertical values have arbitrary zero points. The other columns are calculated and weighted as in Tables 6.1 and 6.2.

Table 6.1
Length Statistical Summary
Mean

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
ALGOPARK-GILCREEK	21	84.7-90.6	4475699388.3	2.7	12.0	3.0
ALGOPARK-HRAS 085	5	84.7-85.7	2787141070.5	5.6	11.3	2.4
ALGOPARK-KAUAI	4	90.5-90.6	7192645485.2	10.4	18.1	1.8
ALGOPARK-KODIAK	3	90.5-90.5	4887785388.6	4.5	6.4	.2
ALGOPARK-MOJAVE12	19	85.6-90.6	3407219027.3	1.6	6.9	1.5
ALGOPARK-NRA085 3	4	90.5-90.6	848030630.2	2.4	4.2	.9
ALGOPARK-PENTICTN	6	84.7-90.6	3074234622.2	11.5	25.7	3.1
ALGOPARK-RICHMOND	7	90.5-90.6	2254545244.5	3.3	8.1	2.3
ALGOPARK-SNDPOINT	3	90.5-90.5	5395379488.8	4.4	6.2	.2
ALGOPARK-VICTORIA	3	90.6-90.6	3362802087.4	1.8	2.5	.0
ALGOPARK-WESTFORD	19	84.7-90.6	642611325.8	.9	3.7	1.7
ALGOPARK-WETTZELL	5	90.5-90.6	6154929664.8	3.7	7.3	1.0
ALGOPARK-YELLOWKN	2	84.7-85.7	2912296028.1	13.6	13.6	3.0
AUSTINTX-HRAS 085	1	87.5-87.5	600902671.9	2.9	------	------
AUSTINTX-RICHMOND	1	87.5-87.5	1773844466.5	6.0	------	------
AUSTINTX-WESTFORD	1	87.5-87.5	2677897011.0	6.7	------	------
BERMUDA -MARPOINT	3	87.6-87.6	1318010983.8	10.5	14.8	7.2
BERMUDA -RICHMOND	4	87.6-87.6	1696707890.4	6.4	11.0	2.5
BERMUDA -WESTFORD	4	87.6-87.6	1284684866.0	1.5	2.6	.2
BLKBUTTE-ELY	2	88.8-88.8	629461895.9	.6	.6	.0
BLKBUTTE-HATCREEK	5	87.1-88.8	942475306.8	6.8	13.5	3.6
BLKBUTTE-HRAS 085	5	83.9-88.8	1158018146.2	4.5	9.0	3.5
BLKBUTTE-MOJAVE12	12	83.9-88.8	213868853.4	2.3	7.7	2.2
BLKBUTTE-MON PEAK	4	83.9-86.8	107821846.8	2.6	4.4	.8
BLKBUTTE-OCOTILLO	2	84.2-85.0	97160209.5	9.8	9.8	1.1
BLKBUTTE-OVRO 130	3	86.4-87.8	459067517.8	6.6	9.3	5.1
BLKBUTTE-PRESIDIO	2	87.4-87.8	762366282.7	7.3	7.3	1.3
BLKBUTTE-PT REYES	1	87.1-87.1	815918037.9	9.8	------	------
BLKBUTTE-VNDNBERG	12	83.9-88.8	462367692.6	9.3	30.9	40.9
BLOOMIND-HRAS 085	1	87.6-87.6	1843913180.2	12.8	------	------
BLOOMIND-WESTFORD	1	87.6-87.6	1316252675.9	12.8	------	------
BREST -MOJAVE12	2	89.7-89.7	7945694727.0	18.3	18.3	1.5
BREST -NOTO	4	89.7-89.7	2029687004.1	10.6	18.3	10.0
BREST -ONSALA60	1	89.7-89.7	1480502019.1	5.9	------	------
BREST -RICHMOND	1	89.7-89.7	6574959717.4	17.8	------	------
BREST -WESTFORD	2	89.7-89.7	4970790344.4	13.5	13.5	2.4
BREST -WETTZELL	4	89.7-89.7	1275263010.8	6.1	10.6	6.2
CARNUSTY-MOJAVE12	1	89.6-89.6	7568098965.9	19.0	------	------
CARNUSTY-RICHMOND	1	89.6-89.6	6586356808.1	17.8	------	------
CARNUSTY-WESTFORD	1	89.6-89.6	4848716969.6	12.6	------	------
CARNUSTY-WETTZELL	4	89.6-89.6	1327033091.9	4.7	8.1	1.6
CARROLGA-HRAS 085	1	87.5-87.5	1799165585.8	12.8	------	------
CARROLGA-RICHMOND	1	87.5-87.5	992547373.0	7.9	------	------

TABLE 6.1 (continued)

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
CARROLGA-WESTFORD	1	87.5-87.5	1552637960.0	10.9	------	------
CHLBOLTN-HAYSTACK	7	80.8-80.8	5072314459.3	7.6	18.5	2.9
CHLBOLTN-HRAS 085	7	80.8-80.8	7663737365.6	15.0	36.7	1.3
CHLBOLTN-ONSALA60	7	80.8-80.8	1109864324.7	2.0	4.9	.5
CHLBOLTN-OVRO 130	6	80.8-80.8	7846991265.2	12.2	27.3	1.4
DEADMANL-JPL MV1	1	88.1-88.1	174643146.8	6.4	------	------
DEADMANL-MOJAVE12	5	84.2-88.1	131806790.0	6.3	12.7	3.6
DEADMANL-SANPAULA	4	84.2-87.9	250758810.8	18.5	32.1	20.2
DEADMANL-VNDNBERG	5	84.2-88.1	400134210.4	17.7	35.5	16.1
DSS15 -GILCREEK	2	88.9-89.6	3807400692.4	1.4	1.4	.2
DSS15 -GOLDVENU	1	87.8-87.8	21069152.4	3.1	------	------
DSS15 -HAYSTACK	2	88.9-89.6	3899992519.1	5.6	5.6	3.5
DSS15 -MOJAVE12	1	87.8-87.8	10011685.8	3.2	------	------
DSS15 -MOJ 7288	1	87.8-87.8	10063344.3	3.6	------	------
DSS15 -OVRO 130	2	87.8-88.9	236711199.5	.6	.6	.1
DSS15 -OVR 7853	1	87.8-87.8	237345165.9	3.1	------	------
DSS15 -YAKATAGA	1	89.6-89.6	3265203803.1	9.9	------	------
DSS45 -GILCREEK	10	88.5-91.0	10526654561.1	18.5	55.6	11.0
DSS45 -HOBART26	4	89.9-90.5	832194191.8	2.3	4.1	2.2
DSS45 -KASHIM34	1	90.2-90.2	7436905079.8	6.2	------	------
DSS45 -KASHIMA	10	88.5-90.5	7436721446.0	14.1	42.4	16.9
DSS45 -KAUAI	12	88.4-91.0	7769504691.6	14.0	46.4	16.1
DSS45 -KWAJAL26	3	88.5-88.6	5171635860.2	29.4	41.6	5.6
DSS45 -MOJAVE12	1	88.4-88.4	10586283482.2	32.6	------	------
DSS45 -SESHAN25	10	88.5-91.0	7411128926.6	17.9	53.7	22.3
DSS65 -HRAS 085	1	88.8-88.8	7975454842.1	11.5	------	------
DSS65 -MATERA	2	90.7-91.0	1765812141.1	10.6	10.6	36.8
DSS65 -MEDICINA	7	88.7-91.0	1378852891.0	.7	1.7	.8
DSS65 -MOJAVE12	1	88.8-88.8	8395867422.4	13.0	------	------
DSS65 -NOTO	4	89.4-91.0	1711832916.3	4.1	7.1	14.4
DSS65 -ONSALA60	8	88.8-91.0	2205023113.7	3.1	8.2	11.6
DSS65 -RICHMOND	3	88.7-89.0	6726067102.0	6.2	8.7	1.1
DSS65 -WESTFORD	5	88.7-89.4	5300362832.4	4.7	9.5	4.2
DSS65 -WETTZELL	8	88.7-91.0	1655418186.5	1.8	4.7	5.6
EFLSBERG-HAYSTACK	7	79.9-83.3	5591903572.4	13.7	33.6	3.9
EFLSBERG-HRAS 085	6	80.6-83.3	8084184861.7	16.4	36.7	1.4
EFLSBERG-NRAO 140	1	79.9-79.9	6334648488.5	37.5	------	------
EFLSBERG-ONSALA60	6	80.6-83.3	832210508.6	3.4	7.5	2.7
EFLSBERG-OVRO 130	6	79.9-80.7	8203742522.9	12.1	27.0	1.5
EFLSBERG-ROBLED32	1	83.3-83.3	1414092461.9	9.3	------	------
EFLSBERG-WESTFORD	1	83.3-83.3	5592851141.9	16.4	------	------
ELY -HATCREEK	9	85.3-89.3	590025841.6	3.3	9.3	3.8
ELY -HRAS 085	10	84.3-89.3	1378547099.0	2.7	8.0	1.6
ELY -MOJAVE12	12	84.3-90.8	475517245.8	4.2	13.9	7.0
ELY -OVRO 130	1	86.3-86.3	378140557.8	4.7	------	------
ELY -PLATTVIL	3	84.3-86.3	871865385.5	4.5	6.4	.9
ELY -VNDNBERG	5	87.4-88.8	734889064.7	3.0	6.1	1.6
ELY -WESTFORD	4	89.3-90.8	3580309244.5	6.8	11.8	.9

TABLE 6.1 (continued)

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
ELY -YUMA	3	87.4-88.3	707152514.8	8.9	12.5	2.6
FLAGSTAF-HATCREEK	8	84.3-90.9	1062209391.9	7.5	19.7	8.9
FLAGSTAF-HRAS 085	6	84.3-88.8	879283108.3	2.5	5.5	1.0
FLAGSTAF-MOJAVE12	8	84.3-90.9	478050188.2	3.4	9.0	4.2
FLAGSTAF-PLATTVIL	4	84.3-88.8	820904443.9	4.8	8.3	1.7
FLAGSTAF-VERNAL	2	87.3-88.3	595755610.2	.9	.9	.0
FLAGSTAF-WESTFORD	2	90.8-90.9	3497279287.3	8.9	8.9	.9
FORTORDS-GILCREEK	15	88.9-90.1	3538522599.1	7.6	28.4	5.6
FORTORDS-HATCREEK	16	88.9-90.1	470018628.8	8.6	33.2	34.8
FORTORDS-HAYSTACK	1	89.8-89.8	4225000764.4	15.2	------	------
FORTORDS-MOJAVE12	17	88.9-90.1	462074969.7	4.1	16.4	15.2
FORTORDS-OVRO 130	2	88.9-88.9	319006648.9	5.0	5.0	2.0
FORTORDS-PRESIDIO	3	89.8-89.9	147938851.8	4.3	6.0	.9
FORTORDS-PT REYES	5	88.9-89.9	197185366.5	10.6	21.2	12.4
FORTORDS-QUINCY	2	89.8-89.8	382655480.0	1.1	1.1	.1
FORTORDS-VNDNBERG	17	88.9-90.1	248717546.7	5.8	23.1	19.1
FORTORDS-WESTFORD	9	89.8-89.9	4224718644.0	4.5	12.8	1.2
FORT ORD-GILCREEK	4	88.1-88.1	3530381364.5	5.8	10.0	.7
FORT ORD-HATCREEK	10	84.2-88.1	461111249.0	13.6	40.8	36.3
FORT ORD-HRAS 085	4	85.2-87.8	1774675672.9	20.5	35.5	20.9
FORT ORD-JPL MV1	1	87.8-87.8	426048766.1	6.0	------	------
FORT ORD-MOJAVE12	11	83.7-88.1	464719642.9	13.3	42.1	88.2
FORT ORD-MON PEAK	1	87.1-87.1	644206243.3	6.9	------	------
FORT ORD-OVRO 130	5	83.7-87.8	317067314.5	8.6	17.2	12.8
FORT ORD-PRESIDIO	4	83.7-88.1	139787390.6	9.3	16.1	8.5
FORT ORD-PT REYES	3	87.4-88.1	189551471.2	2.6	3.7	.4
FORT ORD-VNDNBERG	11	83.7-88.1	256852439.1	1.9	6.0	.9
FTD 7900-HRAS 085	1	88.8-88.8	104738.0	3.5	------	------
FTD 7900-MOJAVE12	1	88.8-88.8	1313407340.9	3.9	------	------
FTD 7900-PIETOWN	1	88.8-88.8	564691753.2	3.4	------	------
FTD 7900-WESTFORD	1	88.8-88.8	3134986759.0	6.4	------	------
GILCREEK-GOLDVENU	2	88.5-90.6	3827523771.9	10.0	10.0	11.8
GILCREEK-HALEAKAL	3	88.5-88.5	4837174041.6	8.0	11.4	.9
GILCREEK-HARTRAO	2	90.4-90.4	11997919402.8	27.4	27.4	.8
GILCREEK-HATCREEK	65	85.4-90.8	3126752886.9	1.9	15.1	5.1
GILCREEK-HAYSTACK	21	84.7-90.6	5039482228.5	1.4	6.3	4.8
GILCREEK-HOBART26	17	89.7-91.0	10953029804.6	8.8	35.0	2.9
GILCREEK-HRAS 085	54	84.7-89.5	4725812333.4	1.7	12.5	2.5
GILCREEK-KASHIM34	14	90.2-91.0	5427062801.7	2.7	9.6	2.2
GILCREEK-KASHIMA	112	84.6-90.5	5427104376.8	1.2	12.2	2.0
GILCREEK-KAUAI	147	84.5-91.0	4728114548.9	6.2	75.0	96.6
GILCREEK-KODIAK	15	84.6-90.5	848553595.6	2.1	7.9	1.8
GILCREEK-KWAJAL26	20	84.5-88.6	6719676597.2	8.1	35.2	4.4
GILCREEK-MARCUS	1	90.5-90.5	5885337024.0	10.2	------	------
GILCREEK-MARPOINT	24	88.1-89.6	5152475054.1	4.7	22.3	1.8
GILCREEK-MATERA	3	90.8-90.9	7659919162.5	12.2	17.2	.7
GILCREEK-MEDICINA	2	89.0-90.6	7266952166.3	3.0	3.0	.2
GILCREEK-MOJAVE12	224	84.5-91.0	3816209147.0	.9	14.0	10.2

TABLE 6.1 (continued)

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
GILCREEK-NOBEY 6M	6	89.9-90.9	5522166177.3	15.2	34.1	3.7
GILCREEK-NOME	10	84.5-90.5	848263842.8	2.4	7.2	1.7
GILCREEK-NOTO	3	89.5-89.7	7973487681.4	11.5	16.2	1.7
GILCREEK-NRAO85 3	74	89.1-91.0	5034926354.5	1.6	13.8	2.4
GILCREEK-NRAO 140	1	90.7-90.7	5034558672.4	6.3	------	------
GILCREEK-ONSALA60	10	85.5-90.6	6066488169.8	10.5	31.4	11.9
GILCREEK-OVRO 130	12	85.4-88.9	3584055707.0	4.8	16.1	5.7
GILCREEK-PENTICTN	5	84.7-90.6	2374175695.1	8.2	16.3	2.6
GILCREEK-PIETOWN	24	89.6-91.0	4225114874.0	1.2	5.9	7.2
GILCREEK-PINFLATS	2	90.1-90.1	3999058549.1	9.7	9.7	1.4
GILCREEK-PLATTVIL	10	85.4-90.8	3810424347.1	4.8	14.5	2.3
GILCREEK-PRESIDIO	8	88.1-90.1	3396404652.8	10.5	27.7	5.1
GILCREEK-PT REYES	10	88.1-90.0	3352262203.8	10.5	31.5	7.3
GILCREEK-PVERDES	2	90.1-90.1	3923759651.6	6.9	6.9	.7
GILCREEK-QUINCY	4	89.8-90.8	3227111793.4	6.4	11.1	1.1
GILCREEK-RICHMOND	92	87.3-90.9	6117758547.9	1.8	17.6	1.6
GILCREEK-SANPAULA	2	90.1-90.1	3841665993.0	6.7	6.7	.5
GILCREEK-SEATTLE1	2	90.6-90.6	2429596207.7	13.7	13.7	3.2
GILCREEK-SESHAN25	12	88.3-91.0	6635555869.3	7.5	24.9	7.1
GILCREEK-SEST	2	90.4-90.4	10483693351.7	6.1	6.1	.1
GILCREEK-SHANGHAI	1	86.5-86.5	6619027676.8	76.2	------	------
GILCREEK-SNDPOINT	13	84.5-90.5	1284477833.2	3.4	11.8	2.8
GILCREEK-SOURDOGH	16	84.6-89.6	276378189.1	1.3	5.2	2.0
GILCREEK-VICTORIA	3	90.6-90.6	2318448278.9	3.6	5.1	.3
GILCREEK-VNDNBERG	78	84.5-90.1	3775849552.3	7.6	67.0	83.5
GILCREEK-WESTFORD	131	84.7-91.0	5040099894.3	.8	8.7	3.7
GILCREEK-WETTZELL	11	84.7-90.0	6856771517.0	6.0	18.9	2.8
GILCREEK-WHTHORSE	9	84.6-89.6	788869899.5	4.2	11.9	7.4
GILCREEK-YAKATAGA	16	84.6-90.4	603048940.4	10.0	38.9	63.8
GILCREEK-YELLOWKN	2	84.7-85.7	1631193657.2	6.3	6.3	1.6
GOLDVENU-HAYSTACK	2	81.9-90.6	3900825690.4	17.1	17.1	19.8
GOLDVENU-HRAS 085	3	81.9-82.8	1302373950.3	2.6	3.6	.4
GOLDVENU-KASHIM34	1	90.6-90.6	8101501398.4	8.7	------	------
GOLDVENU-MEDICINA	1	90.6-90.6	8838183465.0	8.7	------	------
GOLDVENU-MOJAVE12	5	83.7-88.5	12567224.6	1.5	3.0	2.9
GOLDVENU-MOJ 7288	1	87.8-87.8	12776768.6	2.3	------	------
GOLDVENU-NRAO 140	1	81.9-81.9	3257509153.7	7.4	------	------
GOLDVENU-ONSALA60	4	81.9-90.6	8024928175.2	30.3	52.5	17.7
GOLDVENU-OVRO 130	6	81.9-87.8	257587461.1	4.0	9.0	4.8
GOLDVENU-OVR 7853	1	87.8-87.8	258212542.4	2.7	------	------
GOLDVENU-PRESIDIO	1	83.7-83.7	580657654.2	15.7	------	------
GOLDVENU-PT REYES	1	83.7-83.7	633483758.2	14.4	------	------
GOLDVENU-QUINCY	1	82.8-82.8	639556784.7	6.3	------	------
GOLDVENU-VNDNBERG	1	83.7-83.7	357563252.0	9.8	------	------
GOLDVENU-WESTFORD	4	81.9-88.5	3900445510.1	7.5	13.1	3.5
GORF7102-HRAS 085	1	89.4-89.4	2618744928.9	6.5	------	------
GORF7102-MARPOINT	2	89.4-89.4	79845260.5	3.4	3.4	.9
GORF7102-MOJAVE12	2	89.8-89.8	3506892283.4	7.4	7.4	1.1

TABLE 6.1 (continued)

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
GORF7102-NRAO85 3	2	89.4-89.4	270278767.3	3.7	3.7	1.7
GORF7102-RICHMOND	4	89.4-89.8	1519989258.2	3.4	5.9	.9
GORF7102-WESTFORD	4	89.4-89.8	600947762.3	4.8	8.3	4.1
GRASSE -MOJAVE12	1	89.7-89.7	8701934667.1	21.9	------	------
GRASSE -NOTO	2	89.7-89.7	1024494291.0	3.2	3.2	1.1
GRASSE -RICHMOND	1	89.7-89.7	7392007135.9	20.6	------	------
GRASSE -WESTFORD	1	89.7-89.7	5890367638.9	12.9	------	------
GRASSE -WETTZELL	4	89.7-89.7	753160844.9	1.6	2.7	.7
HALEAKAL-KAUAI	3	88.5-88.5	386841607.4	1.6	2.2	.4
HALEAKAL-MOJAVE12	3	88.5-88.5	4090637547.0	12.4	17.6	3.5
HARTRAO -HOBART26	2	90.4-90.4	9167618449.4	10.6	10.6	.2
HARTRAO -HRAS 085	6	87.1-89.2	11878469243.6	14.4	32.1	.9
HARTRAO -KASHIM34	2	90.4-90.4	11181747897.0	19.0	19.0	.4
HARTRAO -KASHIMA	2	90.3-90.4	11181845935.0	16.6	16.6	.3
HARTRAO -KAUAI	2	90.4-90.4	12723069163.0	7.0	7.0	.0
HARTRAO -MEDICINA	4	88.0-90.4	7453222511.4	18.5	32.0	3.4
HARTRAO -MOJAVE12	11	90.0-90.9	12260679038.4	11.3	35.8	1.4
HARTRAO -ONSALA60	7	86.0-90.4	8525165648.5	20.3	49.8	3.2
HARTRAO -RICHMOND	28	86.0-90.9	10814591299.0	7.0	36.5	1.3
HARTRAO -SESHAN25	2	90.3-90.4	10160763476.0	35.0	35.0	1.9
HARTRAO -SEST	2	90.4-90.4	8572702562.5	10.2	10.2	.1
HARTRAO -WESTFORD	36	86.0-90.9	10658658461.1	7.6	44.8	2.2
HARTRAO -WETTZELL	29	86.0-90.9	7832322567.7	3.8	20.2	1.3
HATCREEK-HAYSTACK	2	84.3-89.8	4032976729.2	22.5	22.5	12.8
HATCREEK-HRAS 085	62	83.4-89.4	1933473665.9	2.2	17.2	7.2
HATCREEK-JPL MV1	2	83.5-87.8	789070013.3	42.0	42.0	86.3
HATCREEK-KASHIM34	1	90.8-90.8	7557379019.6	27.2	------	------
HATCREEK-KASHIMA	16	84.2-90.1	7557328248.1	5.9	22.7	3.6
HATCREEK-KAUAI	17	85.4-90.8	4061718605.0	2.9	11.5	2.8
HATCREEK-KODIAK	2	87.5-87.5	2870190270.1	1.9	1.9	.1
HATCREEK-MAMMOTHL	1	83.5-83.5	414535910.6	9.2	------	------
HATCREEK-MOJAVE12	139	83.5-90.9	729148669.0	.6	6.6	2.3
HATCREEK-MON PEAK	24	83.5-90.9	986815222.3	11.3	54.2	63.0
HATCREEK-OVRO 130	38	83.4-88.9	484321527.7	1.4	8.2	2.8
HATCREEK-PINFLATS	2	90.1-90.1	914296126.5	10.3	10.3	8.2
HATCREEK-PLATTVIL	22	83.4-90.8	1416314070.4	3.1	14.0	5.7
HATCREEK-PRESIDIO	14	85.8-90.1	344991837.0	6.8	24.6	18.3
HATCREEK-PT REYES	16	84.2-90.0	326628735.7	7.3	28.2	21.2
HATCREEK-PVERDES	4	89.1-90.1	830152834.7	9.2	16.0	9.4
HATCREEK-QUINCY	17	83.5-90.8	103712238.7	1.8	7.2	2.0
HATCREEK-SANPAULA	4	89.1-90.1	745783175.8	7.4	12.9	6.9
HATCREEK-SNDPOINT	1	87.6-87.6	3229864743.5	552.5	------	------
HATCREEK-VERNAL	8	86.2-90.8	1007489468.2	6.9	18.3	12.9
HATCREEK-VNDNBERG	92	84.2-90.1	698706375.7	4.8	46.1	99.3
HATCREEK-WESTFORD	32	83.4-90.9	4032819091.2	2.9	16.2	4.6
HATCREEK-YAKATAGA	3	87.6-87.6	2569202491.0	7.9	11.1	1.3
HATCREEK-YUMA	12	85.2-88.8	1086071224.6	4.7	15.5	5.7
HAYSTACK-HRAS 085	36	80.3-89.5	3135641004.0	1.7	10.1	.9

TABLE 6.1 (continued)

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
HAYSTACK-KASHIM34	1	90.6-90.6	9501718956.0	9.1	------	------
HAYSTACK-KASHIMA	2	84.7-84.7	9501780035.4	37.6	37.6	4.6
HAYSTACK-KODIAK	1	89.5-89.5	5466172818.6	19.7	------	------
HAYSTACK-MARPOINT	2	82.5-82.5	677293410.9	1.4	1.4	.2
HAYSTACK-MEDICINA	1	90.6-90.6	6143998958.9	5.7	------	------
HAYSTACK-MOJAVE12	24	84.3-89.8	3904144268.7	1.0	4.8	3.1
HAYSTACK-NRAO 140	5	79.6-81.9	845129855.2	1.9	3.7	1.5
HAYSTACK-ONSALA60	40	80.6-90.6	5599714518.7	8.2	51.2	23.6
HAYSTACK-OVRO 130	29	79.6-88.9	3928881640.4	2.5	13.1	2.3
HAYSTACK-PIETOWN	13	89.6-89.8	3263328882.2	1.1	3.8	5.4
HAYSTACK-PLATTVIL	1	84.3-84.3	2753205373.3	12.2	------	------
HAYSTACK-PRESIDIO	1	89.8-89.8	4224649410.9	16.9	------	------
HAYSTACK-ROBLED32	1	83.3-83.3	5299699247.4	29.3	------	------
HAYSTACK-VNDNBERG	1	89.8-89.8	4229299758.7	12.8	------	------
HAYSTACK-WESTFORD	26	81.4-89.8	1239395.8	.4	1.8	1.3
HAYSTACK-WETTZELL	6	84.7-86.7	5997390722.6	6.5	14.6	3.4
HAYSTACK-YAKATAGA	1	89.6-89.6	4895243307.3	14.8	------	------
HOBART26-KASHIM34	10	90.2-91.0	8071309337.9	6.5	19.5	1.8
HOBART26-KASHIMA	9	89.7-90.5	8071140644.7	5.0	14.2	1.5
HOBART26-KAUAI	8	89.7-90.7	8268576643.3	7.4	19.5	2.4
HOBART26-MOJAVE12	11	90.0-91.0	10845184291.4	10.7	33.9	2.1
HOBART26-NOBEY 6M	3	90.2-90.9	8086554654.8	30.6	43.3	4.4
HOBART26-ONSALA60	2	90.4-90.4	12256219627.6	31.7	31.7	2.0
HOBART26-SESHAN25	4	90.0-90.7	7965496544.6	2.4	4.2	.2
HOBART26-SEST	2	90.4-90.4	9773309672.1	40.3	40.3	2.1
HOBART26-WESTFORD	2	90.4-90.4	12346564991.5	22.7	22.7	1.0
HOHENFRG-MOJAVE12	2	89.5-89.5	8257097582.9	3.9	3.9	.1
HOHENFRG-NOTO	5	89.5-89.5	1825225884.6	1.8	3.7	.6
HOHENFRG-RICHMOND	2	89.5-89.5	7347945835.0	2.7	2.7	.0
HOHENFRG-WESTFORD	2	89.5-89.5	5694164278.0	8.9	8.9	.8
HOHENFRG-WETTZELL	5	89.5-89.5	465777114.4	1.0	1.9	.5
HRAS 085-JPL MV1	3	82.8-87.8	1391413643.0	48.0	67.9	94.0
HRAS 085-KASHIMA	26	87.3-89.5	9027663367.4	12.4	61.8	3.1
HRAS 085-KODIAK	1	89.5-89.5	4645400657.2	18.1	------	------
HRAS 085-LEONRDOK	1	87.6-87.6	957117025.1	4.9	------	------
HRAS 085-MAMMOTHL	1	83.5-83.5	1580143780.7	10.2	------	------
HRAS 085-MARPOINT	3	82.8-89.4	2570813376.3	6.9	9.8	2.8
HRAS 085-MCD 7850	1	88.8-88.8	8125162.6	2.5	------	------
HRAS 085-MEDICINA	12	87.3-89.1	8604525563.2	8.2	27.3	2.0
HRAS 085-MILESMON	1	88.3-88.3	1751993827.9	8.5	------	------
HRAS 085-MOJAVE12	134	83.5-90.8	1313368176.1	1.1	12.2	9.3
HRAS 085-MON PEAK	33	82.8-89.4	1205751649.0	10.6	59.9	99.3
HRAS 085-NRAO85 3	1	89.4-89.4	2353779387.4	4.8	------	------
HRAS 085-NRAO 140	6	80.3-88.8	2354634006.0	2.7	6.0	1.7
HRAS 085-ONSALA60	108	80.6-89.4	7940732264.5	4.1	42.0	3.5
HRAS 085-OVRO 130	73	80.3-88.8	1508195409.1	2.5	20.9	12.9
HRAS 085-PENTICTN	3	84.7-85.7	2443354525.3	6.1	8.7	.5
HRAS 085-PIETOWN	3	88.7-88.8	564620892.7	.3	.4	.0

TABLE 6.1 (continued)

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
HRAS 085-PINFLATS	5	85.8-87.0	1223294550.5	4.8	9.6	2.7
HRAS 085-PLATTVIL	20	83.4-89.3	1060499649.5	1.5	6.7	1.2
HRAS 085-PRESIDIO	4	85.2-87.1	1870585828.8	7.8	13.5	3.2
HRAS 085-PT REYES	2	85.2-85.8	1921015698.9	5.1	5.1	.5
HRAS 085-QUINCY	14	82.8-89.3	1849591451.2	6.0	21.6	8.5
HRAS 085-RICHMOND	349	84.0-90.8	2362632829.5	.5	9.7	1.7
HRAS 085-ROBLED32	1	83.3-83.3	7975530237.9	44.8	------	------
HRAS 085-VERNAL	6	86.2-89.3	1187981359.0	3.5	7.8	2.2
HRAS 085-VNDNBERG	44	83.9-89.4	1617713897.1	7.6	49.7	69.8
HRAS 085-WESTFORD	597	81.4-90.8	3134928011.0	.5	12.3	2.5
HRAS 085-WETTZELL	415	83.9-90.8	8417561529.8	1.6	31.8	2.5
HRAS 085-YELLOWKN	2	84.7-85.7	3572069876.0	2.5	2.5	.0
HRAS 085-YUMA	18	83.8-88.8	1002949390.2	1.9	7.8	2.4
JPL MV1 -MAMMOTHL	4	83.5-86.8	387649674.6	11.9	20.6	6.0
JPL MV1 -MOJAVE12	21	83.5-88.9	171686437.2	3.1	13.9	7.0
JPL MV1 -MON PEAK	1	82.8-82.8	218307727.5	8.0	------	------
JPL MV1 -OVRO 130	19	82.8-88.9	335941403.3	6.4	27.2	12.3
JPL MV1 -PBLOSSOM	7	83.1-88.0	41155684.7	2.8	6.9	.9
JPL MV1 -PINFLATS	6	83.8-87.0	171805089.7	2.6	5.7	1.2
JPL MV1 -PRESIDIO	2	88.8-88.9	555228199.2	4.3	4.3	.9
JPL MV1 -QUINCY	1	82.8-82.8	685704824.7	80.8	------	------
JPL MV1 -VNDNBERG	18	83.6-88.9	228030979.8	3.3	13.4	6.9
KASHIM34-KASHIMA	5	90.2-90.5	311195.5	.9	1.7	.5
KASHIM34-KAUAI	6	90.2-90.8	5709565738.6	8.5	19.0	8.7
KASHIM34-MARCUS	1	90.5-90.5	1812578166.3	5.5	------	------
KASHIM34-MEDICINA	1	90.6-90.6	8811182242.6	8.6	------	------
KASHIM34-MOJAVE12	7	90.2-91.0	8091883108.1	4.7	11.6	.7
KASHIM34-NOBEY 6M	4	90.2-90.9	197421504.2	3.9	6.8	1.3
KASHIM34-ONSALA60	3	90.4-90.6	7969420837.5	11.2	15.8	3.5
KASHIM34-SESHAN25	3	90.2-90.7	1875725752.4	1.8	2.6	.6
KASHIM34-SEST	2	90.4-90.4	12389079080.7	.6	.6	.0
KASHIM34-WESTFORD	2	90.4-90.4	9502255571.4	16.1	16.1	2.7
KASHIMA -KAUAI	64	84.6-90.5	5709360250.0	12.9	102.2	149.7
KASHIMA -KWAJAL26	16	84.6-88.6	3936330635.1	23.3	90.1	77.3
KASHIMA -MARCUS	1	90.5-90.5	1812270522.0	5.9	------	------
KASHIMA -MEDICINA	1	90.4-90.4	8811399473.5	19.5	------	------
KASHIMA -MIYAZAKI	3	86.8-88.8	948551354.2	5.1	7.2	.4
KASHIMA -MOJAVE12	54	84.1-90.3	8091824110.9	2.9	21.5	2.9
KASHIMA -NOBEY 6M	3	89.9-90.2	197660891.9	4.2	5.9	1.1
KASHIMA -ONSALA60	6	85.5-88.9	7969643054.6	20.0	44.8	9.1
KASHIMA -RICHMOND	28	87.3-90.1	10279840870.1	7.3	37.8	1.4
KASHIMA -SESHAN25	14	88.3-90.5	1875920086.6	6.8	24.7	24.2
KASHIMA -SHANGHAI	1	86.5-86.5	1852075225.6	35.4	------	------
KASHIMA -TITIJIMA	3	87.9-89.9	991640350.5	18.0	25.5	2.0
KASHIMA -TSUKUBA	7	84.6-89.7	54548551.2	3.0	7.4	.8
KASHIMA -VNDNBERG	27	85.4-90.1	7913888166.8	10.7	54.7	19.9
KASHIMA -WESTFORD	8	85.5-90.0	9502316545.8	9.0	23.8	2.2
KASHIMA -WETTZELL	12	84.7-90.4	8475826938.1	12.8	42.5	6.2

TABLE 6.1 (continued)

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
KASHIMA -WHTHORSE	1	89.6-89.6	6047388118.4	23.8	------	------
KAUAI -KWAJAL26	20	84.5-88.6	3725196317.1	3.7	16.2	2.4
KAUAI -MARPOINT	6	88.4-89.4	7391325635.8	18.4	41.1	2.7
KAUAI -MATERA	3	90.8-90.9	10894160976.6	28.2	39.8	1.4
KAUAI -MOJAVE12	44	84.5-90.7	4303581287.2	4.9	32.4	20.2
KAUAI -NOTO	2	89.5-89.7	11099796263.1	.6	.6	.0
KAUAI -NRAO85 3	67	89.1-91.0	7208031500.7	2.8	23.0	3.5
KAUAI -ONSALA60	2	90.4-90.4	9792569624.8	10.7	10.7	.8
KAUAI -RICHMOND	52	88.4-90.9	7452634402.1	3.6	25.4	2.6
KAUAI -SESHAN25	13	88.3-91.0	7310294012.9	20.2	70.1	41.7
KAUAI -SEST	2	90.4-90.4	9740852595.5	14.7	14.7	.4
KAUAI -SHANGHAI	1	86.5-86.5	7290813144.9	69.1	------	------
KAUAI -VNDNBERG	32	84.5-90.1	3972522452.1	2.7	15.2	4.5
KAUAI -WESTFORD	5	90.4-90.7	7676223216.9	4.8	9.6	.7
KAUAI -WHTHORSE	1	89.6-89.6	4587139202.3	18.0	------	------
KODIAK -MOJAVE12	10	87.5-90.5	3574416152.2	3.1	9.3	.8
KODIAK -NOME	4	84.6-86.6	1024053279.3	9.5	16.5	2.2
KODIAK -VNDNBERG	4	84.6-86.6	3459022114.6	18.6	32.2	3.9
KODIAK -WESTFORD	8	88.5-90.5	5466634676.7	5.7	15.0	.9
KWAJAL26-MOJAVE12	17	84.5-88.6	7576938620.0	7.8	31.1	3.0
KWAJAL26-SESHAN25	3	88.5-88.6	5191948408.0	12.0	16.9	1.7
KWAJAL26-VNDNBERG	12	84.5-88.6	7298104575.1	9.4	31.3	3.5
LEONRDOK-RICHMOND	1	87.6-87.6	1854619801.0	6.4	------	------
LEONRDOK-WESTFORD	1	87.6-87.6	2205062327.4	6.5	------	------
MAMMOTHL-MOJAVE12	4	83.5-86.8	315785216.8	4.6	8.0	1.9
MAMMOTHL-OVRO 130	4	83.5-86.8	74255492.8	4.0	7.0	2.0
MAMMOTHL-VNDNBERG	2	84.8-86.8	373995445.2	10.7	10.7	6.2
MARCUS -SESHAN25	1	90.5-90.5	3270841169.2	7.7	------	------
MARPOINT-MEDICINA	1	89.0-89.0	6721974438.4	22.2	------	------
MARPOINT-NOTO	1	89.5-89.5	7291183516.5	15.7	------	------
MARPOINT-NRAO85 3	11	89.1-89.6	228306392.2	2.7	8.6	5.2
MARPOINT-ONSALA60	4	82.5-83.7	6198441071.2	2.3	4.1	.1
MARPOINT-OVRO 130	3	82.5-82.8	3540824489.9	1.7	2.4	.1
MARPOINT-RICHMOND	22	87.6-89.6	1442649218.4	3.5	15.8	3.6
MARPOINT-WESTFORD	9	82.5-89.4	676178922.0	6.0	17.1	9.5
MATERA -MEDICINA	2	90.7-91.0	597262305.7	6.3	6.3	22.2
MATERA -NOTO	2	90.7-91.0	444532983.8	3.1	3.1	5.4
MATERA -NRAO85 3	2	90.8-90.9	7354567927.9	32.4	32.4	4.5
MATERA -ONSALA60	2	90.7-91.0	1886809342.1	6.7	6.7	12.1
MATERA -WETTZELL	2	90.7-91.0	990053386.4	3.4	3.4	5.4
MCD 7850-MOJAVE12	1	88.8-88.8	1305462984.1	3.2	------	------
MCD 7850-PIETOWN	1	88.8-88.8	556665228.0	2.6	------	------
MCD 7850-WESTFORD	1	88.8-88.8	3137645305.5	4.3	------	------
MEDICINA-NOTO	3	90.1-91.0	893724229.2	3.3	4.7	11.2
MEDICINA-ONSALA60	11	87.3-91.0	1429470397.5	1.7	5.4	4.6
MEDICINA-RICHMOND	14	87.3-89.0	7658214953.1	6.1	22.0	1.9
MEDICINA-SESHAN25	1	90.4-90.4	8287102219.1	16.3	------	------
MEDICINA-WESTFORD	19	87.3-89.1	6144872386.7	1.8	7.4	.7

TABLE 6.1 (continued)

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
MEDICINA-WETTZELL	19	87.3-91.0	522461127.8	.9	3.9	2.9
METSHOVI-MOJAVE12	2	89.5-89.5	8149935269.8	19.5	19.5	.6
METSHOVI-ONSALA60	5	89.5-89.5	784441966.1	3.6	7.2	2.2
METSHOVI-RICHMOND	2	89.5-89.5	7758613784.3	29.2	29.2	1.5
METSHOVI-WESTFORD	2	89.5-89.5	6059189141.4	7.3	7.3	.2
METSHOVI-WETTZELL	5	89.5-89.5	1433414947.1	1.5	2.9	.3
MILESMON-MOJAVE12	1	88.3-88.3	1534074218.9	8.3	------	------
MILESMON-WESTFORD	1	88.3-88.3	2722126744.5	11.1	------	------
MOJAVE12-MON PEAK	36	83.5-90.9	274055787.9	6.7	39.7	62.5
MOJAVE12-NOBEY 6M	6	89.9-90.9	8216104554.2	21.5	48.0	3.4
MOJAVE12-NOME	3	90.5-90.5	4471763788.2	7.5	10.6	.7
MOJAVE12-NOTO	6	89.5-91.0	9422863903.0	7.8	17.5	1.3
MOJAVE12-NRAO85 3	6	89.5-90.7	3262045660.8	2.9	6.4	.9
MOJAVE12-NRAO 140	2	88.8-90.7	3262601940.0	3.9	3.9	1.7
MOJAVE12-OCOTILLO	3	84.2-85.2	299368637.1	7.1	10.0	2.4
MOJAVE12-ONSALA60	39	83.8-91.0	8021117541.9	3.9	24.1	4.6
MOJAVE12-OVRO 130	80	83.5-88.9	245276453.5	.8	7.1	3.1
MOJAVE12-OVR 7853	1	87.8-87.8	245893865.6	2.3	------	------
MOJAVE12-PBLOSSOM	9	83.6-88.1	131184783.6	2.5	7.0	2.2
MOJAVE12-PENTICTN	3	90.6-90.6	1566267813.9	7.3	10.3	2.1
MOJAVE12-PIETOWN	27	88.7-91.0	809730833.9	.6	3.2	6.6
MOJAVE12-PINFLATS	21	83.8-90.1	195109710.9	4.4	19.6	12.5
MOJAVE12-PLATTVIL	21	84.3-90.8	1196316952.2	1.5	6.7	1.6
MOJAVE12-PRESIDIO	20	83.7-90.1	568654978.3	7.4	32.4	41.6
MOJAVE12-PT REYES	18	83.7-90.0	621424848.9	9.5	39.2	59.3
MOJAVE12-PVERDES	9	83.9-90.1	224483709.4	2.5	7.0	1.9
MOJAVE12-QUINCY	20	83.5-90.8	627137773.9	2.2	9.5	3.3
MOJAVE12-RICHMOND	124	84.0-91.0	3594693023.7	.8	8.9	2.2
MOJAVE12-SANPAULA	10	83.7-90.1	219618299.1	6.5	19.5	15.3
MOJAVE12-SEATTLE1	3	86.7-90.6	1439349331.1	17.2	24.3	12.8
MOJAVE12-SEST	1	90.3-90.3	7986720617.5	16.2	------	------
MOJAVE12-SNDPOINT	10	87.6-90.5	3916865258.2	7.2	21.7	3.3
MOJAVE12-SOURDOGH	8	87.6-89.6	3577769378.5	5.2	13.9	2.0
MOJAVE12-TROMSONO	1	89.6-89.6	7344759276.9	15.8	------	------
MOJAVE12-VERNAL	8	86.2-90.8	848884616.3	2.3	6.1	1.7
MOJAVE12-VICTORIA	3	90.6-90.6	1545227670.0	6.2	8.8	1.8
MOJAVE12-VNDNBERG	161	83.6-90.1	351282529.4	2.0	25.7	56.0
MOJAVE12-WESTFORD	304	83.5-91.0	3903767763.1	.4	7.2	2.3
MOJAVE12-WETTZELL	144	84.7-91.0	8588976465.9	1.4	17.3	2.3
MOJAVE12-WHTHORSE	5	88.6-89.6	3076518265.4	8.4	16.8	4.8
MOJAVE12-YAKATAGA	10	87.6-90.4	3273878618.6	8.7	26.2	6.9
MOJAVE12-YUMA	21	83.8-88.8	362912398.3	2.3	10.1	5.4
MOJ 7288-MOJAVE12	1	87.8-87.8	358197.0	1.7	------	------
MOJ 7288-OVRO 130	1	87.8-87.8	245135041.1	2.7	------	------
MOJ 7288-OVR 7853	1	87.8-87.8	245751411.7	3.0	------	------
MON PEAK-OVRO 130	20	82.8-88.8	510423732.1	10.7	46.7	60.0
MON PEAK-QUINCY	13	83.5-88.8	883538181.6	13.6	47.0	39.1
MON PEAK-VNDNBERG	26	83.9-89.4	430216039.7	2.3	11.5	7.1

TABLE 6.1 (continued)

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
MON PEAK-WESTFORD	2	90.9-90.9	3985679558.3	9.1	9.1	.9
MON PEAK-YUMA	8	83.8-87.9	207726999.7	10.1	26.7	52.7
NOME -SNDPOINT	3	84.5-86.6	1060002872.8	3.6	5.1	.4
NOME -VNDNBERG	7	84.5-86.6	4388694145.2	20.3	49.7	6.4
NOME -WESTFORD	3	90.5-90.5	5785551147.2	11.8	16.7	1.1
NOTO -NRAO85 3	3	89.5-89.7	7446887098.5	7.9	11.2	1.2
NOTO -ONSALA60	6	89.4-91.0	2280154888.6	3.8	8.6	10.3
NOTO -RICHMOND	5	89.5-91.0	8115263591.5	4.7	9.4	.5
NOTO -WESTFORD	6	89.4-91.0	6744637400.4	6.7	15.0	2.7
NOTO -WETTZELL	16	89.4-91.0	1371101059.3	1.7	6.7	5.5
NRAO85 3-RICHMOND	57	89.3-90.9	1419169138.2	1.2	8.6	2.6
NRAO85 3-WESTFORD	5	89.4-90.7	845216071.7	2.2	4.3	1.9
NRAO 140-ONSALA60	4	81.9-83.0	6319317563.7	13.4	23.2	2.6
NRAO 140-OVRO 130	8	79.6-88.8	3324244210.1	5.4	14.4	7.0
NRAO 140-WESTFORD	6	81.9-90.7	844148087.4	2.0	4.5	2.3
OCOTILLO-OVRO 130	1	85.2-85.2	542313245.9	7.4	------	------
OCOTILLO-PVERDES	1	85.2-85.2	264927264.5	5.8	------	------
OCOTILLO-VNDNBERG	3	84.2-85.2	487851102.6	9.5	13.4	3.0
ONSALA60-OVRO 130	33	80.6-87.8	7914131011.3	7.3	41.0	4.8
ONSALA60-RICHMOND	61	84.1-91.0	7307152590.9	3.4	26.6	3.5
ONSALA60-ROBLED32	1	83.3-83.3	2204783304.2	13.2	------	------
ONSALA60-SEST	3	90.3-90.4	10459732567.3	9.5	13.4	.3
ONSALA60-TROMSONO	4	89.6-89.6	1406156771.1	7.0	12.1	5.8
ONSALA60-WESTFORD	147	81.4-91.0	5600741537.2	2.9	34.8	16.4
ONSALA60-WETTZELL	125	83.9-91.0	919660999.1	.4	5.0	2.6
OVRO 130-PBLOSSOM	7	83.1-87.8	303497804.4	4.7	11.4	2.2
OVRO 130-PINFLATS	7	83.8-86.8	434649341.0	6.4	15.8	4.7
OVRO 130-PLATTVIL	9	83.4-88.3	1220818762.5	3.4	9.5	3.2
OVRO 130-PRESIDIO	8	83.7-88.9	374258371.3	10.7	28.3	37.7
OVRO 130-PT REYES	6	83.7-88.9	421766817.8	18.9	42.2	56.3
OVRO 130-PVERDES	2	83.9-85.2	387094562.7	15.1	15.1	4.6
OVRO 130-QUINCY	14	82.8-88.8	382696345.3	2.6	9.5	3.1
OVRO 130-SANPAULA	1	83.7-83.7	322080187.0	12.1	------	------
OVRO 130-VNDNBERG	46	83.6-88.9	363980310.1	2.3	15.5	7.4
OVRO 130-WESTFORD	29	81.5-88.8	3928579373.7	2.3	12.4	2.9
OVRO 130-WETTZELL	7	85.2-87.8	8500205021.9	12.3	30.2	5.6
OVRO 130-YUMA	7	83.8-87.8	603989381.9	2.1	5.2	.9
OVR 7853-OVRO 130	1	87.8-87.8	991122.9	1.7	------	------
PBLOSSOM-SANPAULA	1	88.1-88.1	99880794.8	7.3	------	------
PBLOSSOM-VNDNBERG	9	83.6-88.1	247362522.1	8.1	22.8	19.9
PENTICTN-WESTFORD	3	90.6-90.6	3684967792.9	12.6	17.8	1.6
PENTICTN-YELLOWKN	2	84.7-85.7	1495292887.9	3.5	3.5	.2
PIETOWN -WESTFORD	27	88.7-91.0	3262799698.3	1.0	5.1	6.4
PINFLATS-PVERDES	3	87.2-88.1	180972819.6	2.4	3.4	.6
PINFLATS-VNDNBERG	20	83.8-90.1	397781423.5	6.0	26.1	21.0
PINFLATS-YUMA	6	83.8-87.0	222910497.4	7.9	17.7	12.8
PLATTVIL-VERNAL	1	86.2-86.2	412425203.1	4.1	------	------
PLATTVIL-WESTFORD	11	83.4-90.8	2752862693.0	4.0	12.6	2.9

TABLE 6.1 (continued)

Baseline	Num Obs	Span yr to yr	Mean (mm)	Error (mm)	WRMS (mm)	Chi sqr
PRESIDIO-PT REYES	3	83.7-85.8	53727233.8	1.2	1.8	.1
PRESIDIO-VNDNBERG	20	83.7-90.1	396580065.4	5.6	24.5	16.2
PRESIDIO-WESTFORD	4	89.8-89.9	4224409674.9	12.0	20.8	1.9
PRESIDIO-YUMA	1	87.1-87.1	922582253.9	7.2	------	------
PT REYES-VNDNBERG	18	83.7-90.0	445233365.9	1.9	7.8	1.7
PT REYES-WESTFORD	4	89.9-89.9	4248545102.9	8.8	15.3	1.0
PT REYES-YUMA	1	87.8-87.8	975980359.6	10.7	------	------
PVERDES -VNDNBERG	9	83.9-90.1	223065182.9	3.3	9.4	3.8
QUINCY -VNDNBERG	13	84.3-89.8	601887716.5	12.0	41.4	55.1
QUINCY -WESTFORD	2	89.8-89.8	4023819280.4	7.9	7.9	.6
RICHMOND-TROMSONO	1	89.6-89.6	7249939451.9	16.5	------	------
RICHMOND-WESTFORD	462	84.0-91.0	2044501757.5	.3	7.3	1.5
RICHMOND-WETTZELL	439	84.1-91.0	7588398567.6	1.3	28.2	3.8
ROBLED32-WESTFORD	1	83.3-83.3	5300463005.3	31.1	------	------
SANPAULA-VNDNBERG	10	83.7-90.1	149776488.9	1.8	5.3	1.2
SEATTLE1-WESTFORD	3	86.7-90.6	3895645949.2	11.7	16.6	1.9
SESHAN25-WETTZELL	2	90.3-90.4	8003555639.3	21.2	21.2	2.2
SEST -WESTFORD	3	90.3-90.4	7447845586.2	5.5	7.7	.3
SNDPOINT-VNDNBERG	3	84.5-86.6	3763664071.9	25.7	36.3	5.7
SNDPOINT-WESTFORD	8	88.5-90.5	5963589388.9	7.4	19.6	1.4
SOURDOGH-VNDNBERG	8	84.6-86.6	3527017009.5	10.8	28.6	4.2
SOURDOGH-WESTFORD	6	88.6-89.6	4992696152.7	6.2	13.8	1.2
SOURDOGH-WHTHORSE	3	84.6-86.6	591316577.9	2.7	3.8	.4
SOURDOGH-YAKATAGA	4	84.6-86.6	329299233.7	17.8	30.9	32.9
TROMSONO-WESTFORD	1	89.6-89.6	5474070365.1	11.4	------	------
TROMSONO-WETTZELL	4	89.6-89.6	2296324592.1	8.4	14.6	5.5
VERNAL -VNDNBERG	1	88.8-88.8	1165722335.8	4.7	------	------
VERNAL -WESTFORD	4	89.3-90.8	3132148595.7	7.5	13.0	1.8
VERNAL -YUMA	1	88.8-88.8	917552147.0	5.8	------	------
VICTORIA-WESTFORD	3	90.6-90.6	3967716623.1	3.8	5.3	.2
VNDNBERG-WESTFORD	10	89.8-89.9	4228947342.0	4.8	14.5	2.8
VNDNBERG-WHTHORSE	3	84.6-86.6	3058395618.3	20.2	28.6	5.6
VNDNBERG-YAKATAGA	4	84.6-86.6	3214772164.9	10.5	18.1	1.9
VNDNBERG-YUMA	19	83.8-88.8	620341829.8	9.4	40.0	72.8
WESTFORD-WETTZELL	567	83.9-91.0	5998325425.4	1.3	29.8	11.2
WESTFORD-WHTHORSE	4	88.6-89.6	4511164136.2	11.2	19.4	3.5
WESTFORD-YAKATAGA	7	88.6-90.4	4895738348.7	9.7	23.7	2.7

Table 6.2
Length Statistical Summary
Rate of Change

Baseline	Rate mm/yr	Error mm/yr	WRMS mm	Chi sqr	Value at Epoch	Error mm	Corre-lation
ALGOPARK-GILCREEK	3.6	1.0	9.0	1.8	4475699383.1	2.48	-.55
ALGOPARK-MOJAVE12	-1.3	1.4	6.7	1.5	3407219030.1	3.62	-.89
ALGOPARK-PENTICTN	6.9	3.6	18.5	2.0	3074234620.7	9.27	-.08
ALGOPARK-WESTFORD	-.7	.5	3.5	1.6	642611327.2	1.23	-.73
BLKBUTTE-HRAS 085	5.0	3.3	6.8	2.6	1158018148.7	4.26	.39
BLKBUTTE-MOJAVE12	2.7	1.9	7.0	2.0	213868855.7	2.77	.60
BLKBUTTE-VNDNBERG	28.4	2.1	6.9	2.3	462367713.3	2.66	.57
DEADMANL-MOJAVE12	4.4	8.4	12.1	4.4	131806791.7	7.77	.43
DEADMANL-VNDNBERG	34.3	10.4	16.5	4.6	400134234.4	11.96	.61
DSS45 -GILCREEK	-72.6	12.7	24.7	2.4	10526654687.3	23.77	-.93
DSS45 -KAUAI	-60.5	8.9	19.6	3.2	7769504800.3	17.19	-.93
DSS45 -SESHAN25	-72.9	5.9	11.9	1.2	7411129061.2	11.63	-.93
DSS65 -MEDICINA	.4	.8	1.6	.9	1378852890.3	1.69	-.90
DSS65 -ONSALA60	-3.0	4.1	7.9	12.5	2205023118.7	7.59	-.91
DSS65 -WETTZELL	-3.0	2.1	4.1	4.8	1655418191.7	3.96	-.91
EFLSBERG-HAYSTACK	23.1	5.6	16.1	1.1	5591903720.7	36.91	.98
EFLSBERG-HRAS 085	15.2	11.9	31.0	1.3	8084184958.5	77.72	.98
EFLSBERG-ONSALA60	-1.2	2.8	7.3	3.2	832210501.0	18.18	.98
ELY -HATCREEK	3.8	2.0	7.5	2.9	590025841.6	2.83	.00
ELY -HRAS 085	1.0	1.9	7.8	1.7	1378547099.0	2.77	.00
ELY -MOJAVE12	-6.6	1.6	8.5	2.9	475517246.9	2.71	-.10
FLAGSTAF-HATCREEK	8.9	.8	4.4	.5	1062209394.8	1.80	.15
FLAGSTAF-HRAS 085	2.6	1.8	4.4	.8	879283111.7	3.24	.73
FLAGSTAF-MOJAVE12	3.9	1.0	4.7	1.4	478050190.2	2.00	.25
FORT ORD-HATCREEK	-29.8	3.6	13.2	4.3	461111214.0	6.29	.67
FORT ORD-MOJAVE12	32.8	1.6	6.2	2.1	464719670.5	2.47	.55
FORT ORD-OVRO 130	13.9	1.3	2.7	.4	317067347.5	3.34	.89
FORT ORD-VNDNBERG	.5	1.5	5.9	1.0	256852439.5	2.47	.60
GILCREEK-HATCREEK	-7.3	.8	9.7	2.1	3126752893.1	1.39	-.47
GILCREEK-HAYSTACK	-3.2	3.1	6.1	4.8	5039482234.2	5.61	-.97
GILCREEK-HRAS 085	2.6	1.8	12.2	2.4	4725812333.6	1.70	.09
GILCREEK-KASHIMA	-1.2	.7	12.0	2.0	5427104377.1	1.16	-.16
GILCREEK-KAUAI	-45.1	.6	11.3	2.2	4728114597.9	1.13	-.55
GILCREEK-KODIAK	-4.5	.9	4.6	.7	848553598.7	1.42	-.44
GILCREEK-KWAJAL26	-19.1	3.8	22.8	2.0	6719676568.0	7.97	.74
GILCREEK-MOJAVE12	-9.5	.3	6.4	2.2	3816209159.8	.62	-.72
GILCREEK-NOME	-1.9	.8	5.5	1.1	848263841.6	2.01	.24
GILCREEK-ONSALA60	16.6	3.6	16.4	3.7	6066488152.6	6.90	-.54
GILCREEK-OVRO 130	-14.3	2.6	8.1	1.6	3584055704.4	2.60	.19
GILCREEK-PENTICTN	6.0	1.9	7.7	.8	2374175689.2	4.81	-.38
GILCREEK-PLATTVIL	5.6	2.3	11.0	1.5	3810424343.6	4.17	-.35
GILCREEK-RICHMOND	2.5	2.5	17.5	1.6	6117758542.8	5.43	-.94
GILCREEK-SESHAN25	-17.8	7.9	20.3	5.2	6635555897.2	13.93	-.89

Table 6.2 (continued)

Baseline	Rate mm/yr	Error mm/yr	WRMS mm	Chi sqr	Value at Epoch	Error mm	Corre-lation
GILCREEK-SNDPOINT	2.2	2.4	11.3	2.8	1284477830.9	4.25	-.59
GILCREEK-SOURDOGH	2.7	1.7	4.7	1.9	276378194.2	3.41	.84
GILCREEK-VNDNBERG	-39.6	.8	11.5	2.5	3775849561.0	1.34	-.13
GILCREEK-WESTFORD	1.0	.7	8.6	3.7	5040099892.6	1.31	-.82
GILCREEK-WETTZELL	9.8	2.0	9.9	.9	6856771516.1	3.31	-.06
GILCREEK-WHTHORSE	-3.5	3.9	11.3	7.6	788869901.6	4.91	-.49
GILCREEK-YAKATAGA	-33.1	1.8	5.1	1.2	603048939.4	3.05	.65
GOLDVENU-MOJAVE12	-.1	.9	3.0	3.9	12567224.4	2.86	.79
GOLDVENU-OVRO 130	2.2	1.3	6.9	3.5	257587467.9	5.29	.76
HARTRAO -HRAS 085	8.8	19.0	31.3	1.1	11878469237.2	20.85	-.66
HARTRAO -ONSALA60	28.6	6.3	22.1	.8	8525165653.7	9.97	.12
HARTRAO -RICHMOND	8.0	3.8	33.7	1.2	10814591290.2	7.83	-.54
HARTRAO -WESTFORD	13.9	4.0	38.5	1.7	10658658445.2	8.02	-.57
HARTRAO -WETTZELL	-3.8	2.2	19.2	1.2	7832322571.7	4.40	-.54
HATCREEK-HRAS 085	8.7	.8	9.7	2.3	1933473668.4	1.27	.17
HATCREEK-KASHIMA	-8.4	2.9	17.9	2.4	7557328243.7	5.02	.30
HATCREEK-KAUAI	5.5	1.3	7.6	1.3	4061718605.4	1.97	.05
HATCREEK-MOJAVE12	-.5	.3	6.5	2.3	729148669.3	.58	-.27
HATCREEK-MON PEAK	-28.4	1.6	13.7	4.2	986815215.3	2.95	.13
HATCREEK-OVRO 130	-2.2	.7	7.3	2.3	484321524.4	1.62	.66
HATCREEK-PLATTVIL	5.9	.8	7.3	1.6	1416314072.0	1.64	.13
HATCREEK-PRESIDIO	-16.1	1.6	5.7	1.2	344991837.0	2.46	.51
HATCREEK-PT REYES	-20.1	1.5	7.6	1.6	326628750.1	2.29	-.47
HATCREEK-QUINCY	-2.7	.6	4.6	.9	103712237.9	1.19	.15
HATCREEK-VERNAL	11.3	1.6	6.1	1.7	1007489459.2	2.79	-.46
HATCREEK-VNDNBERG	-32.3	.6	7.7	2.8	698706402.2	.94	-.50
HATCREEK-WESTFORD	7.0	1.5	12.2	2.7	4032819080.4	3.17	-.71
HATCREEK-YUMA	10.6	3.8	11.7	3.5	1086071228.9	4.00	.39
HAYSTACK-HRAS 085	.2	.6	10.0	1.0	3135641005.0	3.19	.84
HAYSTACK-MOJAVE12	.5	.9	4.8	3.2	3904144268.0	1.74	-.81
HAYSTACK-NRAO 140	1.5	2.3	3.5	1.8	845129864.9	15.60	.99
HAYSTACK-ONSALA60	16.9	.8	14.8	2.0	5599714588.0	4.15	.82
HAYSTACK-OVRO 130	3.8	.7	8.9	1.1	3928881660.8	4.03	.90
HAYSTACK-WESTFORD	-.1	.2	1.8	1.4	1239395.9	.46	-.62
HAYSTACK-WETTZELL	12.4	7.2	11.1	2.4	5997390752.1	18.06	.95
HRAS 085-KASHIMA	17.1	18.9	60.8	3.2	9027663360.0	14.82	-.55
HRAS 085-MOJAVE12	5.7	.3	6.9	2.9	1313368176.9	.60	.08
HRAS 085-MON PEAK	34.6	.9	8.6	2.1	1205751674.1	1.68	.39
HRAS 085-NRAO 140	-.9	.8	5.3	1.7	2354634003.7	3.39	.63
HRAS 085-ONSALA60	12.6	1.2	29.6	1.7	7940732277.6	3.14	.40
HRAS 085-OVRO 130	7.6	.3	7.6	1.7	1508195428.2	1.26	.70
HRAS 085-PLATTVIL	-.7	1.0	6.7	1.3	1060499648.9	1.79	.48
HRAS 085-QUINCY	8.2	2.6	15.9	5.0	1849591452.7	4.62	.10
HRAS 085-RICHMOND	1.8	.3	9.3	1.5	2362632829.3	.50	-.06
HRAS 085-VERNAL	.6	3.4	7.8	2.7	1187981358.8	4.04	-.26
HRAS 085-VNDNBERG	36.4	.9	8.0	1.8	1617713903.7	1.24	.13
HRAS 085-WESTFORD	-1.4	.2	12.0	2.3	3134928010.6	.49	.14
HRAS 085-WETTZELL	14.0	.7	22.9	1.3	8417561525.2	1.15	-.20

Table 6.2 (continued)

Baseline	Rate mm/yr	Error mm/yr	WRMS mm	Chi sqr	Value at Epoch	Error mm	Corre-lation
HRAS 085-YUMA	1.7	1.8	7.6	2.4	1002949391.7	2.49	.64
JPL MV1 -MOJAVE12	6.4	1.2	8.7	2.9	171686447.6	2.76	.69
JPL MV1 -OVRO 130	-11.4	1.8	15.0	4.0	335941379.4	5.30	.73
JPL MV1 -PBLOSSOM	-2.1	1.9	6.2	.8	41155679.4	5.48	.86
JPL MV1 -PINFLATS	5.4	2.0	3.4	.5	171805098.9	3.85	.89
JPL MV1 -VNDNBERG	8.5	1.5	7.8	2.5	228030988.3	2.47	.61
KASHIMA -KAUAI	-63.7	1.0	12.4	2.3	5709360253.0	1.58	-.03
KASHIMA -KWAJAL26	-69.7	2.8	13.3	1.8	3936330527.1	5.57	.77
KASHIMA -MOJAVE12	-6.5	1.3	17.7	2.0	8091824109.7	2.47	.10
KASHIMA -ONSALA60	-25.1	10.4	28.6	4.6	7969643042.1	15.22	.34
KASHIMA -RICHMOND	8.3	7.4	36.9	1.4	10279840858.2	12.81	-.83
KASHIMA -SESHAN25	-30.1	4.4	11.1	5.3	1875920131.4	7.27	-.90
KASHIMA -TSUKUBA	-4.0	1.6	4.9	.4	54548548.0	2.54	.50
KASHIMA -VNDNBERG	-34.5	3.1	22.3	3.4	7913888146.5	4.82	.38
KASHIMA -WESTFORD	4.5	5.4	22.5	2.3	9502316545.5	9.20	-.04
KASHIMA -WETTZELL	-17.6	4.6	27.1	2.8	8475826940.5	8.59	-.07
KAUAI -KWAJAL26	1.8	2.7	16.0	2.5	3725196320.0	5.67	.75
KAUAI -MOJAVE12	18.9	.8	8.7	1.5	4303581296.1	1.39	.27
KAUAI -RICHMOND	25.0	7.2	22.8	2.1	7452634344.4	17.03	-.98
KAUAI -SESHAN25	-82.4	7.5	20.2	3.8	7310294144.5	13.40	-.89
KAUAI -VNDNBERG	2.2	1.7	14.8	4.4	3972522453.0	2.80	.26
KODIAK -MOJAVE12	-1.4	3.0	9.2	.9	3574416153.6	4.39	-.67
KWAJAL26-MOJAVE12	14.9	5.1	24.8	2.0	7576938647.7	11.46	.83
KWAJAL26-VNDNBERG	-1.2	9.8	31.2	3.8	7298104572.9	20.33	.87
MARPOINT-RICHMOND	-3.4	5.2	15.7	3.7	1442649222.2	6.90	-.86
MARPOINT-WESTFORD	.8	2.1	16.9	10.6	676178923.1	6.97	.40
MEDICINA-ONSALA60	-2.1	1.6	4.9	4.2	1429470401.0	3.07	-.85
MEDICINA-WETTZELL	-2.6	.7	2.9	1.7	522461131.5	1.22	-.82
MOJAVE12-MON PEAK	-21.9	.9	9.6	3.7	274055769.1	1.82	.44
MOJAVE12-ONSALA60	7.5	1.8	20.0	3.2	8021117535.0	3.68	-.45
MOJAVE12-OVRO 130	2.1	.4	6.2	2.4	245276456.4	.93	.65
MOJAVE12-PBLOSSOM	1.7	1.7	6.6	2.2	131184786.6	4.07	.79
MOJAVE12-PIETOWN	3.1	1.4	3.0	5.8	809730827.9	2.81	-.98
MOJAVE12-PINFLATS	-11.6	.9	6.0	1.2	195109702.0	1.53	.43
MOJAVE12-PLATTVIL	-.8	.8	6.5	1.6	1196316952.0	1.51	.14
MOJAVE12-PRESIDIO	21.7	1.7	7.9	2.8	568654975.5	2.34	.28
MOJAVE12-PT REYES	29.3	1.1	5.8	1.4	621424830.3	1.61	-.43
MOJAVE12-PVERDES	-3.1	1.2	5.1	1.2	224483711.3	2.09	-.37
MOJAVE12-QUINCY	2.2	1.1	8.6	2.9	627137773.8	2.03	-.02
MOJAVE12-RICHMOND	3.9	1.5	8.7	2.1	3594693014.8	3.50	-.97
MOJAVE12-SANPAULA	11.6	1.4	6.1	1.7	219618292.4	2.31	-.34
MOJAVE12-SNDPOINT	-20.9	6.4	14.3	1.6	3916865289.0	10.75	-.88
MOJAVE12-VERNAL	-1.5	1.6	5.7	1.7	848884617.5	2.63	-.46
MOJAVE12-VNDNBERG	16.8	.3	5.8	2.8	351282525.8	.46	-.15
MOJAVE12-WESTFORD	.6	.3	7.2	2.3	3903767762.1	.67	-.79
MOJAVE12-WETTZELL	7.5	1.1	15.1	1.8	8588976451.3	2.54	-.87
MOJAVE12-YAKATAGA	33.4	6.7	11.3	1.7	3273878612.6	9.45	.27
MOJAVE12-YUMA	7.7	1.3	5.9	1.9	362912405.2	1.75	.64

Table 6.2 (continued)

Baseline	Rate mm/yr	Error mm/yr	WRMS mm	Chi sqr	Value at Epoch	Error mm	Corre-lation
MON PEAK-OVRO 130	-25.1	1.5	11.2	3.6	510423681.8	3.93	.74
MON PEAK-QUINCY	-26.3	3.2	17.8	6.1	883538160.6	5.95	.44
MON PEAK-VNDNBERG	3.3	1.6	10.6	6.2	430216041.7	2.36	.40
MON PEAK-YUMA	27.6	2.1	5.0	2.1	207727043.2	3.93	.86
NOME -VNDNBERG	-61.9	12.3	20.1	1.3	4388694018.6	26.63	.94
NRAO 140-OVRO 130	3.0	1.2	10.2	4.1	3324244222.2	6.47	.77
NRAO 140-WESTFORD	.4	.6	4.2	2.6	844148088.4	2.63	.60
ONSALA60-OVRO 130	11.6	2.0	28.5	2.4	7914131057.7	9.55	.84
ONSALA60-RICHMOND	13.3	1.5	17.4	1.5	7307152574.2	2.95	-.64
ONSALA60-WESTFORD	15.8	.6	13.6	2.5	5600741535.6	1.13	-.05
ONSALA60-WETTZELL	-.6	.3	4.9	2.5	919660999.3	.45	-.25
OVRO 130-PBLOSSOM	-8.0	1.9	5.3	.6	303497784.8	5.14	.89
OVRO 130-PINFLATS	-15.1	4.0	8.0	1.4	434649313.7	8.04	.90
OVRO 130-PLATTVIL	2.1	2.6	9.1	3.4	1220818764.9	4.51	.65
OVRO 130-PRESIDIO	16.5	2.0	7.9	3.4	374258388.6	3.81	.54
OVRO 130-PT REYES	23.8	1.8	6.4	1.6	421766840.7	3.67	.48
OVRO 130-QUINCY	-1.0	1.4	9.3	3.2	382696344.0	3.37	.60
OVRO 130-VNDNBERG	-8.8	.9	8.6	2.3	363980299.9	1.64	.62
OVRO 130-WESTFORD	3.0	.7	9.8	1.9	3928579381.0	2.63	.69
OVRO 130-WETTZELL	12.1	12.9	27.8	5.7	8500205042.1	24.94	.87
OVRO 130-YUMA	3.6	2.3	4.3	.7	603989387.8	4.28	.89
PBLOSSOM-VNDNBERG	16.0	1.6	5.8	1.5	247362549.2	3.50	.78
PIETOWN -WESTFORD	-2.9	2.4	4.9	6.3	3262799704.0	4.89	-.98
PINFLATS-VNDNBERG	17.0	1.0	6.0	1.2	397781434.4	1.54	.39
PINFLATS-YUMA	24.2	6.6	8.5	3.7	222910532.1	10.37	.91
PLATTVIL-WESTFORD	3.4	2.3	11.3	2.6	2752862691.7	3.85	-.21
PRESIDIO-VNDNBERG	-13.7	1.7	8.4	2.1	396580070.3	2.49	.26
PT REYES-VNDNBERG	-2.4	1.2	6.9	1.5	445233367.2	1.84	-.34
PVERDES -VNDNBERG	4.5	1.5	6.2	1.9	223065180.3	2.49	-.34
QUINCY -VNDNBERG	-30.0	1.6	7.2	1.8	601887724.8	2.22	-.20
RICHMOND-WESTFORD	.1	.2	7.3	1.6	2044501757.4	.38	-.44
RICHMOND-WETTZELL	13.6	.5	17.7	1.5	7588398551.0	1.06	-.60
SANPAULA-VNDNBERG	1.9	1.0	4.4	.9	149776487.7	1.67	-.39
SOURDOGH-VNDNBERG	-37.1	9.2	14.8	1.3	3527016936.9	18.91	.95
VNDNBERG-YUMA	38.7	1.8	7.6	2.8	620341862.1	2.39	.64
WESTFORD-WETTZELL	16.6	.3	11.7	1.7	5998325409.8	.57	-.49

Table 6.3
Transverse Statistical Summary

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
ALGOPARK-GILCREEK	21	84.7-90.6	8.7	20.8	4.45	-8.7	2.0	14.9	2.40
ALGOPARK-HRAS 085	5	84.7-85.7	8.4	15.4	2.92	------	-----	-----	-----
ALGOPARK-KAUAI	4	90.5-90.6	20.6	15.9	1.69	------	-----	-----	-----
ALGOPARK-KODIAK	3	90.5-90.5	.1	1.5	.02	------	-----	-----	-----
ALGOPARK-MOJAVE12	19	85.6-90.6	3.4	10.7	2.45	-.7	3.9	10.7	2.59
ALGOPARK-NRA085 3	4	90.5-90.6	5.0	5.4	1.44	------	-----	-----	-----
ALGOPARK-PENTICTN	6	84.7-90.6	7.5	27.4	8.54	-7.3	3.9	19.8	5.61
ALGOPARK-RICHMOND	7	90.5-90.6	2.4	3.5	.65	------	-----	-----	-----
ALGOPARK-SNDPOINT	3	90.5-90.5	5.9	8.3	.58	------	-----	-----	-----
ALGOPARK-VICTORIA	3	90.6-90.6	5.9	9.0	1.00	------	-----	-----	-----
ALGOPARK-WESTFORD	19	84.7-90.6	2.2	5.6	3.34	-1.7	.8	5.1	2.87
ALGOPARK-WETTZELL	5	90.5-90.6	.2	1.4	.04	------	-----	-----	-----
ALGOPARK-YELLOWKN	2	84.7-85.7	8.6	9.8	2.69	------	-----	-----	-----
AUSTINTX-HRAS 085	1	87.5-87.5	4.5	------	------	------	-----	-----	-----
AUSTINTX-RICHMOND	1	87.5-87.5	8.0	------	------	------	-----	-----	-----
AUSTINTX-WESTFORD	1	87.5-87.5	10.3	------	------	------	-----	-----	-----
BERMUDA -MARPOINT	3	87.6-87.6	69.7	37.2	21.23	------	-----	-----	-----
BERMUDA -RICHMOND	4	87.6-87.6	2.3	2.6	.10	------	-----	-----	-----
BERMUDA -WESTFORD	4	87.6-87.6	1.5	3.0	.27	------	-----	-----	-----
BLKBUTTE-ELY	2	88.8-88.8	1.2	5.2	2.42	------	-----	-----	-----
BLKBUTTE-HATCREEK	5	87.1-88.8	10.8	11.5	3.92	------	-----	-----	-----
BLKBUTTE-HRAS 085	5	83.9-88.8	3.7	5.2	.58	-2.9	2.1	4.1	.48
BLKBUTTE-MOJAVE12	12	83.9-88.8	2.0	5.8	2.00	3.9	1.1	3.8	.95
BLKBUTTE-MON PEAK	4	83.9-86.8	8.9	11.9	7.53	------	-----	-----	-----
BLKBUTTE-OCOTILLO	2	84.2-85.0	2.4	3.5	.30	------	-----	-----	-----
BLKBUTTE-OVRO 130	3	86.4-87.8	9.6	10.4	7.18	------	-----	-----	-----
BLKBUTTE-PRESIDIO	2	87.4-87.8	23.6	7.9	1.89	------	-----	-----	-----
BLKBUTTE-PT REYES	1	87.1-87.1	7.6	------	------	------	-----	-----	-----
BLKBUTTE-VNDNBERG	12	83.9-88.8	10.5	30.4	21.85	27.2	1.9	6.4	1.07
BLOOMIND-HRAS 085	1	87.6-87.6	14.6	------	------	------	-----	-----	-----
BLOOMIND-WESTFORD	1	87.6-87.6	13.8	------	------	------	-----	-----	-----
BREST -MOJAVE12	2	89.7-89.7	12.2	10.8	1.47	------	-----	-----	-----
BREST -NOTO	4	89.7-89.7	3.5	3.5	.29	------	-----	-----	-----
BREST -ONSALA60	1	89.7-89.7	5.6	------	------	------	-----	-----	-----
BREST -RICHMOND	1	89.7-89.7	13.6	------	------	------	-----	-----	-----
BREST -WESTFORD	2	89.7-89.7	12.7	11.1	3.24	------	-----	-----	-----
BREST -WETTZELL	4	89.7-89.7	6.6	6.2	1.48	------	-----	-----	-----
CARNUSTY-MOJAVE12	1	89.6-89.6	9.3	------	------	------	-----	-----	-----
CARNUSTY-RICHMOND	1	89.6-89.6	10.1	------	------	------	-----	-----	-----
CARNUSTY-WESTFORD	1	89.6-89.6	7.2	------	------	------	-----	-----	-----
CARNUSTY-WETTZELL	4	89.6-89.6	6.8	10.3	2.14	------	-----	-----	-----
CARROLGA-HRAS 085	1	87.5-87.5	12.6	------	------	------	-----	-----	-----
CARROLGA-RICHMOND	1	87.5-87.5	10.4	------	------	------	-----	-----	-----
CARROLGA-WESTFORD	1	87.5-87.5	10.0	------	------	------	-----	-----	-----

Table 6.3 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
CHLBOLTN-HAYSTACK	7	80.8-80.8	7.4	61.5	.03	------	-----	-----	-----
CHLBOLTN-HRAS 085	7	80.8-80.8	10.3	97.6	.04	------	-----	-----	-----
CHLBOLTN-ONSALA60	7	80.8-80.8	6.7	22.1	.08	------	-----	-----	-----
CHLBOLTN-OVRO 130	6	80.8-80.8	14.2	119.8	.05	------	-----	-----	-----
DEADMANL-JPL MV1	1	88.1-88.1	9.4	------	------	------	-----	-----	-----
DEADMANL-MOJAVE12	5	84.2-88.1	5.7	7.8	2.17	5.4	4.9	6.6	2.07
DEADMANL-SANPAULA	4	84.2-87.9	14.0	15.6	2.38	------	-----	-----	-----
DEADMANL-VNDNBERG	5	84.2-88.1	24.4	32.2	7.46	31.0	10.2	15.9	2.42
DSS15 -GILCREEK	2	88.9-89.6	14.4	12.0	4.08	------	-----	-----	-----
DSS15 -GOLDVENU	1	87.8-87.8	2.5	------	------	------	-----	-----	-----
DSS15 -HAYSTACK	2	88.9-89.6	1.3	7.0	1.52	------	-----	-----	-----
DSS15 -MOJAVE12	1	87.8-87.8	1.8	------	------	------	-----	-----	-----
DSS15 -MOJ 7288	1	87.8-87.8	2.0	------	------	------	-----	-----	-----
DSS15 -OVRO 130	2	87.8-88.9	.3	1.3	.30	------	-----	-----	-----
DSS15 -OVR 7853	1	87.8-87.8	3.3	------	------	------	-----	-----	-----
DSS15 -YAKATAGA	1	89.6-89.6	6.8	------	------	------	-----	-----	-----
DSS45 -GILCREEK	10	88.5-91.0	25.2	44.5	2.27	29.6	19.9	39.4	2.00
DSS45 -HOBART26	4	89.9-90.5	.9	1.4	.22	------	-----	-----	-----
DSS45 -KASHIM34	1	90.2-90.2	14.1	------	------	------	-----	-----	-----
DSS45 -KASHIMA	10	88.5-90.5	12.8	27.0	1.80	------	-----	-----	-----
DSS45 -KAUAI	12	88.4-91.0	18.6	40.6	3.38	-34.3	13.7	31.8	2.28
DSS45 -KWAJAL26	3	88.5-88.6	2.6	3.4	.05	------	-----	-----	-----
DSS45 -MOJAVE12	1	88.4-88.4	43.0	------	------	------	-----	-----	-----
DSS45 -SESHAN25	10	88.5-91.0	16.3	27.4	1.81	-2.9	13.5	27.3	2.03
DSS65 -HRAS 085	1	88.8-88.8	17.9	------	------	------	-----	-----	-----
DSS65 -MATERA	2	90.7-91.0	1.7	.4	.01	------	-----	-----	-----
DSS65 -MEDICINA	7	88.7-91.0	2.2	4.8	2.07	-2.9	2.4	4.2	1.94
DSS65 -MOJAVE12	1	88.8-88.8	18.6	------	------	------	-----	-----	-----
DSS65 -NOTO	4	89.4-91.0	5.2	5.2	1.54	------	-----	-----	-----
DSS65 -ONSALA60	8	88.8-91.0	4.4	8.6	2.90	-3.6	4.6	8.1	3.07
DSS65 -RICHMOND	3	88.7-89.0	9.0	10.8	1.07	------	-----	-----	-----
DSS65 -WESTFORD	5	88.7-89.4	10.4	14.0	2.74	------	-----	-----	-----
DSS65 -WETTZELL	8	88.7-91.0	3.7	6.0	2.16	.3	3.2	6.0	2.52
EFLSBERG-HAYSTACK	7	79.9-83.3	134.9	600.3	2.28	174.4	396.2	589.0	2.63
EFLSBERG-HRAS 085	6	80.6-83.3	73.3	458.9	.69	-492.6	70.9	126.9	.07
EFLSBERG-NRAO 140	1	79.9-79.9	462.3	------	------	------	-----	-----	-----
EFLSBERG-ONSALA60	6	80.6-83.3	5.7	27.1	.20	-40.6	19.0	18.5	.12
EFLSBERG-OVRO 130	6	79.9-80.7	136.2	915.0	2.80	------	-----	-----	-----
EFLSBERG-ROBLED32	1	83.3-83.3	268.9	------	------	------	-----	-----	-----
EFLSBERG-WESTFORD	1	83.3-83.3	741.7	------	------	------	-----	-----	-----
ELY -HATCREEK	9	85.3-89.3	5.3	11.2	3.01	.8	2.8	11.1	3.40
ELY -HRAS 085	10	84.3-89.3	5.8	15.9	4.92	-8.2	1.7	7.9	1.36
ELY -MOJAVE12	12	84.3-90.8	1.7	4.4	.92	1.7	.7	3.4	.62
ELY -OVRO 130	1	86.3-86.3	5.9	------	------	------	-----	-----	-----
ELY -PLATTVIL	3	84.3-86.3	3.0	4.7	.30	------	-----	-----	-----
ELY -VNDNBERG	5	87.4-88.8	6.7	21.0	13.61	------	-----	-----	-----
ELY -WESTFORD	4	89.3-90.8	10.2	17.7	2.16	------	-----	-----	-----
ELY -YUMA	3	87.4-88.3	4.7	7.2	1.94	------	-----	-----	-----

Table 6.3 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
FLAGSTAF-HATCREEK	8	84.3-90.9	4.7	8.7	1.53	-1.7	1.5	7.9	1.47
FLAGSTAF-HRAS 085	6	84.3-88.8	7.6	13.0	4.46	-.7	5.1	12.9	5.55
FLAGSTAF-MOJAVE12	8	84.3-90.9	7.5	14.0	5.45	6.4	.8	3.9	.50
FLAGSTAF-PLATTVIL	4	84.3-88.8	3.9	6.0	.96	-----	-----	-----	-----
FLAGSTAF-VERNAL	2	87.3-88.3	5.3	7.2	3.26	-----	-----	-----	-----
FLAGSTAF-WESTFORD	2	90.8-90.9	9.8	18.7	2.35	-----	-----	-----	-----
FORTORDS-GILCREEK	15	88.9-90.1	4.3	16.1	2.70	-----	-----	-----	-----
FORTORDS-HATCREEK	16	88.9-90.1	2.5	8.9	4.85	-----	-----	-----	-----
FORTORDS-HAYSTACK	1	89.8-89.8	21.5	-----	-----	-----	-----	-----	-----
FORTORDS-MOJAVE12	17	88.9-90.1	8.7	31.3	33.78	-----	-----	-----	-----
FORTORDS-OVRO 130	2	88.9-88.9	1.7	1.7	.14	-----	-----	-----	-----
FORTORDS-PRESIDIO	3	89.8-89.9	3.1	3.0	.33	-----	-----	-----	-----
FORTORDS-PT REYES	5	88.9-89.9	5.1	15.8	8.84	-----	-----	-----	-----
FORTORDS-QUINCY	2	89.8-89.8	1.1	2.3	.21	-----	-----	-----	-----
FORTORDS-VNDNBERG	17	88.9-90.1	5.2	15.7	11.90	-----	-----	-----	-----
FORTORDS-WESTFORD	9	89.8-89.9	2.8	6.7	.37	-----	-----	-----	-----
FORT ORD-GILCREEK	4	88.1-88.1	1.6	5.5	.25	-----	-----	-----	-----
FORT ORD-HATCREEK	10	84.2-88.1	23.1	31.9	44.37	24.5	3.5	12.0	7.03
FORT ORD-HRAS 085	4	85.2-87.8	21.6	26.9	10.79	-----	-----	-----	-----
FORT ORD-JPL MV1	1	87.8-87.8	6.2	-----	-----	-----	-----	-----	-----
FORT ORD-MOJAVE12	11	83.7-88.1	8.7	28.2	22.61	21.6	1.5	5.9	1.09
FORT ORD-MON PEAK	1	87.1-87.1	5.7	-----	-----	-----	-----	-----	-----
FORT ORD-OVRO 130	5	83.7-87.8	11.6	41.8	34.37	32.9	8.2	16.6	7.24
FORT ORD-PRESIDIO	4	83.7-88.1	4.2	8.3	3.25	-----	-----	-----	-----
FORT ORD-PT REYES	3	87.4-88.1	7.3	4.9	1.04	-----	-----	-----	-----
FORT ORD-VNDNBERG	11	83.7-88.1	2.1	6.2	1.72	2.6	1.4	5.3	1.39
FTD 7900-HRAS 085	1	88.8-88.8	2.5	-----	-----	-----	-----	-----	-----
FTD 7900-MOJAVE12	1	88.8-88.8	4.2	-----	-----	-----	-----	-----	-----
FTD 7900-PIETOWN	1	88.8-88.8	2.8	-----	-----	-----	-----	-----	-----
FTD 7900-WESTFORD	1	88.8-88.8	8.1	-----	-----	-----	-----	-----	-----
GILCREEK-GOLDVENU	2	88.5-90.6	7.9	8.4	1.80	-----	-----	-----	-----
GILCREEK-HALEAKAL	3	88.5-88.5	5.9	9.7	.59	-----	-----	-----	-----
GILCREEK-HARTRAO	2	90.4-90.4	7.3	30.7	1.72	-----	-----	-----	-----
GILCREEK-HATCREEK	65	85.4-90.8	3.0	15.2	2.68	-.1	1.3	15.2	2.72
GILCREEK-HAYSTACK	21	84.7-90.6	4.9	21.6	4.19	-12.8	2.9	15.2	2.19
GILCREEK-HOBART26	17	89.7-91.0	14.6	49.8	4.13	-----	-----	-----	-----
GILCREEK-HRAS 085	54	84.7-89.5	6.4	29.3	5.78	-20.2	2.6	19.8	2.70
GILCREEK-KASHIM34	14	90.2-91.0	13.3	25.2	3.83	-----	-----	-----	-----
GILCREEK-KASHIMA	112	84.6-90.5	6.6	40.2	4.79	18.9	2.0	29.9	2.68
GILCREEK-KAUAI	147	84.5-91.0	11.8	93.6	40.83	62.3	1.2	21.4	2.15
GILCREEK-KODIAK	15	84.6-90.5	2.7	10.2	4.76	6.8	.9	4.3	.91
GILCREEK-KWAJAL26	20	84.5-88.6	52.0	136.8	23.93	91.6	6.3	38.5	1.99
GILCREEK-MARCUS	1	90.5-90.5	13.0	-----	-----	-----	-----	-----	-----
GILCREEK-MARPOINT	24	88.1-89.6	5.1	18.1	.71	-----	-----	-----	-----
GILCREEK-MATERA	3	90.8-90.9	.2	.2	.00	-----	-----	-----	-----
GILCREEK-MEDICINA	2	89.0-90.6	.4	2.9	.08	-----	-----	-----	-----
GILCREEK-MOJAVE12	224	84.5-91.0	1.6	17.6	2.89	-5.5	.8	15.8	2.35
GILCREEK-NOBEY 6M	6	89.9-90.9	24.0	31.0	4.51	-----	-----	-----	-----

Table 6.3 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
GILCREEK-NOME	10	84.5-90.5	3.3	13.3	4.93	-5.0	.9	6.0	1.14
GILCREEK-NOTO	3	89.5-89.7	2.7	7.7	.19	------	-----	-----	-----
GILCREEK-NRAO85 3	74	89.1-91.0	2.3	15.3	1.75	------	-----	-----	-----
GILCREEK-NRAO 140	1	90.7-90.7	19.4	------	------	------	-----	-----	-----
GILCREEK-ONSALA60	10	85.5-90.6	13.4	31.4	4.59	-9.0	5.2	26.9	3.77
GILCREEK-OVRO 130	12	85.4-88.9	8.8	18.5	4.17	-3.0	5.5	18.3	4.45
GILCREEK-PENTICTN	5	84.7-90.6	16.1	18.0	5.96	-6.0	2.3	9.8	2.35
GILCREEK-PIETOWN	24	89.6-91.0	4.3	12.8	1.73	------	-----	-----	-----
GILCREEK-PINFLATS	2	90.1-90.1	14.0	8.8	1.31	------	-----	-----	-----
GILCREEK-PLATTVIL	10	85.4-90.8	10.0	23.1	5.41	-10.1	3.0	14.9	2.53
GILCREEK-PRESIDIO	8	88.1-90.1	4.0	9.6	.95	------	-----	-----	-----
GILCREEK-PT REYES	10	88.1-90.0	5.6	16.6	2.83	------	-----	-----	-----
GILCREEK-PVERDES	2	90.1-90.1	2.5	2.4	.10	------	-----	-----	-----
GILCREEK-QUINCY	4	89.8-90.8	3.5	7.6	.71	------	-----	-----	-----
GILCREEK-RICHMOND	92	87.3-90.9	3.3	24.1	1.96	-9.8	2.9	22.7	1.75
GILCREEK-SANPAULA	2	90.1-90.1	.3	4.2	.28	------	-----	-----	-----
GILCREEK-SEATTLE1	2	90.6-90.6	6.0	3.7	.27	------	-----	-----	-----
GILCREEK-SESHAN25	12	88.3-91.0	11.8	22.7	1.41	-9.4	8.6	21.5	1.39
GILCREEK-SEST	2	90.4-90.4	10.7	8.6	.18	------	-----	-----	-----
GILCREEK-SHANGHAI	1	86.5-86.5	55.2	------	------	------	-----	-----	-----
GILCREEK-SNDPOINT	13	84.5-90.5	3.7	12.8	4.20	6.6	1.7	8.4	1.94
GILCREEK-SOURDOGH	16	84.6-89.6	3.3	9.5	8.09	5.5	3.1	8.2	6.93
GILCREEK-VICTORIA	3	90.6-90.6	1.5	5.3	.52	------	-----	-----	-----
GILCREEK-VNDNBERG	78	84.5-90.1	2.9	18.8	2.53	6.4	1.1	15.7	1.79
GILCREEK-WESTFORD	131	84.7-91.0	3.7	24.1	4.38	-10.2	1.4	20.1	3.06
GILCREEK-WETTZELL	11	84.7-90.0	15.8	32.6	3.63	-12.1	5.4	26.2	2.59
GILCREEK-WHTHORSE	9	84.6-89.6	7.3	10.8	5.96	1.8	3.4	10.6	6.56
GILCREEK-YAKATAGA	16	84.6-90.4	15.7	39.6	79.74	2.9	1.6	4.7	1.30
GILCREEK-YELLOWKN	2	84.7-85.7	3.9	7.4	2.17	------	-----	-----	-----
GOLDVENU-HAYSTACK	2	81.9-90.6	3.8	6.1	.84	------	-----	-----	-----
GOLDVENU-HRAS 085	3	81.9-82.8	3.0	15.1	.09	------	-----	-----	-----
GOLDVENU-KASHIM34	1	90.6-90.6	17.9	------	------	------	-----	-----	-----
GOLDVENU-MEDICINA	1	90.6-90.6	9.5	------	------	------	-----	-----	-----
GOLDVENU-MOJAVE12	5	83.7-88.5	2.1	3.4	2.09	.8	.9	3.0	2.24
GOLDVENU-MOJ 7288	1	87.8-87.8	2.3	------	------	------	-----	-----	-----
GOLDVENU-NRAO 140	1	81.9-81.9	83.1	------	------	------	-----	-----	-----
GOLDVENU-ONSALA60	4	81.9-90.6	2.1	5.8	.13	------	-----	-----	-----
GOLDVENU-OVRO 130	6	81.9-87.8	1.4	3.9	.49	-.6	1.1	3.8	.57
GOLDVENU-OVR 7853	1	87.8-87.8	2.7	------	------	------	-----	-----	-----
GOLDVENU-PRESIDIO	1	83.7-83.7	30.7	------	------	------	-----	-----	-----
GOLDVENU-PT REYES	1	83.7-83.7	32.9	------	------	------	-----	-----	-----
GOLDVENU-QUINCY	1	82.8-82.8	25.1	------	------	------	-----	-----	-----
GOLDVENU-VNDNBERG	1	83.7-83.7	19.4	------	------	------	-----	-----	-----
GOLDVENU-WESTFORD	4	81.9-88.5	17.1	41.9	5.00	------	-----	-----	-----
GORF7102-HRAS 085	1	89.4-89.4	10.8	------	------	------	-----	-----	-----
GORF7102-MARPOINT	2	89.4-89.4	4.9	11.8	16.19	------	-----	-----	-----
GORF7102-MOJAVE12	2	89.8-89.8	1.3	5.8	.26	------	-----	-----	-----
GORF7102-NRAO85 3	2	89.4-89.4	16.5	9.4	6.57	------	-----	-----	-----

Table 6.3 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
GORF7102-RICHMOND	4	89.4-89.8	4.7	13.4	4.44	------	-----	-----	-----
GORF7102-WESTFORD	4	89.4-89.8	4.2	9.3	4.21	------	-----	-----	-----
GRASSE -MOJAVE12	1	89.7-89.7	11.5	------	------	------	-----	-----	-----
GRASSE -NOTO	2	89.7-89.7	.3	1.0	.08	------	-----	-----	-----
GRASSE -RICHMOND	1	89.7-89.7	13.9	------	------	------	-----	-----	-----
GRASSE -WESTFORD	1	89.7-89.7	10.3	------	------	------	-----	-----	-----
GRASSE -WETTZELL	4	89.7-89.7	1.5	3.0	.77	------	-----	-----	-----
HALEAKAL-KAUAI	3	88.5-88.5	13.2	12.9	7.82	------	-----	-----	-----
HALEAKAL-MOJAVE12	3	88.5-88.5	5.8	7.0	.31	------	-----	-----	-----
HARTRAO -HOBART26	2	90.4-90.4	24.3	14.3	.61	------	-----	-----	-----
HARTRAO -HRAS 085	6	87.1-89.2	17.3	23.5	.68	-31.5	8.3	10.9	.18
HARTRAO -KASHIM34	2	90.4-90.4	19.7	18.1	.58	------	-----	-----	-----
HARTRAO -KASHIMA	2	90.3-90.4	22.3	18.1	.56	------	-----	-----	-----
HARTRAO -KAUAI	2	90.4-90.4	10.6	8.4	.12	------	-----	-----	-----
HARTRAO -MEDICINA	4	88.0-90.4	24.1	26.6	1.69	------	-----	-----	-----
HARTRAO -MOJAVE12	11	90.0-90.9	28.3	42.6	1.85	------	-----	-----	-----
HARTRAO -ONSALA60	7	86.0-90.4	48.4	66.8	6.12	37.1	7.2	26.5	1.15
HARTRAO -RICHMOND	28	86.0-90.9	15.5	46.1	1.80	-3.9	5.3	45.6	1.83
HARTRAO -SESHAN25	2	90.3-90.4	13.4	17.7	.68	------	-----	-----	-----
HARTRAO -SEST	2	90.4-90.4	.0	2.4	.02	------	-----	-----	-----
HARTRAO -WESTFORD	36	86.0-90.9	12.5	37.1	1.53	4.9	4.1	36.4	1.51
HARTRAO -WETTZELL	29	86.0-90.9	16.7	47.9	4.47	26.5	3.0	24.2	1.18
HATCREEK-HAYSTACK	2	84.3-89.8	30.6	31.3	6.17	------	-----	-----	-----
HATCREEK-HRAS 085	62	83.4-89.4	2.6	13.3	2.44	-5.6	.8	9.7	1.32
HATCREEK-JPL MV1	2	83.5-87.8	3.1	16.1	5.72	------	-----	-----	-----
HATCREEK-KASHIM34	1	90.8-90.8	17.9	------	------	------	-----	-----	-----
HATCREEK-KASHIMA	16	84.2-90.1	22.8	43.0	3.21	7.3	7.2	41.5	3.20
HATCREEK-KAUAI	17	85.4-90.8	41.4	102.6	61.56	65.2	2.7	16.5	1.70
HATCREEK-KODIAK	2	87.5-87.5	5.2	4.8	.33	------	-----	-----	-----
HATCREEK-MAMMOTHL	1	83.5-83.5	13.2	------	------	------	-----	-----	-----
HATCREEK-MOJAVE12	139	83.5-90.9	1.3	10.5	5.50	-4.6	.3	6.9	2.36
HATCREEK-MON PEAK	24	83.5-90.9	6.4	21.8	13.69	11.2	1.3	10.2	3.11
HATCREEK-OVRO 130	38	83.4-88.9	2.3	9.0	3.48	-3.6	.8	7.3	2.40
HATCREEK-PINFLATS	2	90.1-90.1	3.0	6.2	3.00	------	-----	-----	-----
HATCREEK-PLATTVIL	22	83.4-90.8	3.1	9.3	1.52	3.3	.7	6.2	.71
HATCREEK-PRESIDIO	14	85.8-90.1	9.5	23.9	36.08	14.2	1.9	6.9	3.52
HATCREEK-PT REYES	16	84.2-90.0	14.6	35.2	58.65	25.3	1.0	5.2	1.35
HATCREEK-PVERDES	4	89.1-90.1	2.4	4.6	1.03	------	-----	-----	-----
HATCREEK-QUINCY	17	83.5-90.8	2.5	6.7	2.79	1.4	.8	6.1	2.49
HATCREEK-SANPAULA	4	89.1-90.1	3.4	3.9	.79	------	-----	-----	-----
HATCREEK-SNDPOINT	1	87.6-87.6	85.5	------	------	------	-----	-----	-----
HATCREEK-VERNAL	8	86.2-90.8	2.8	9.1	1.60	.9	2.4	8.9	1.82
HATCREEK-VNDNBERG	92	84.2-90.1	4.5	25.5	37.36	17.7	.6	8.1	3.84
HATCREEK-WESTFORD	32	83.4-90.9	3.3	14.4	1.55	.4	1.9	14.4	1.60
HATCREEK-YAKATAGA	3	87.6-87.6	5.7	17.5	2.70	------	-----	-----	-----
HATCREEK-YUMA	12	85.2-88.8	3.5	8.3	1.42	-5.0	2.1	6.6	.99
HAYSTACK-HRAS 085	36	80.3-89.5	8.2	40.2	3.38	-7.2	2.5	36.1	2.81
HAYSTACK-KASHIM34	1	90.6-90.6	16.7	------	------	------	-----	-----	-----

Table 6.3 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
HAYSTACK-KASHIMA	2	84.7-84.7	23.8	30.0	1.19	-----	-----	-----	-----
HAYSTACK-KODIAK	1	89.5-89.5	9.9	-----	-----	-----	-----	-----	-----
HAYSTACK-MARPOINT	2	82.5-82.5	.0	.2	.00	-----	-----	-----	-----
HAYSTACK-MEDICINA	1	90.6-90.6	8.3	-----	-----	-----	-----	-----	-----
HAYSTACK-MOJAVE12	24	84.3-89.8	5.0	17.1	2.69	3.3	1.7	15.8	2.40
HAYSTACK-NRAO 140	5	79.6-81.9	19.4	28.3	.49	15.2	15.2	24.5	.49
HAYSTACK-ONSALA60	40	80.6-90.6	6.3	38.2	3.93	6.5	2.5	35.2	3.42
HAYSTACK-OVRO 130	29	79.6-88.9	13.7	62.7	3.84	7.1	6.4	61.3	3.80
HAYSTACK-PIETOWN	13	89.6-89.8	3.7	11.4	2.37	-----	-----	-----	-----
HAYSTACK-PLATTVIL	1	84.3-84.3	12.5	-----	-----	-----	-----	-----	-----
HAYSTACK-PRESIDIO	1	89.8-89.8	21.1	-----	-----	-----	-----	-----	-----
HAYSTACK-ROBLED32	1	83.3-83.3	716.2	-----	-----	-----	-----	-----	-----
HAYSTACK-VNDNBERG	1	89.8-89.8	21.4	-----	-----	-----	-----	-----	-----
HAYSTACK-WESTFORD	26	81.4-89.8	.6	2.8	3.68	.0	.3	2.8	3.83
HAYSTACK-WETTZELL	6	84.7-86.7	15.9	29.1	9.03	9.5	20.1	28.4	10.69
HAYSTACK-YAKATAGA	1	89.6-89.6	7.2	-----	-----	-----	-----	-----	-----
HOBART26-KASHIM34	10	90.2-91.0	19.4	48.9	8.12	-----	-----	-----	-----
HOBART26-KASHIMA	9	89.7-90.5	11.0	19.5	1.17	-----	-----	-----	-----
HOBART26-KAUAI	8	89.7-90.7	17.0	48.0	5.10	-----	-----	-----	-----
HOBART26-MOJAVE12	11	90.0-91.0	22.3	37.4	2.55	-----	-----	-----	-----
HOBART26-NOBEY 6M	3	90.2-90.9	35.4	36.4	6.13	-----	-----	-----	-----
HOBART26-ONSALA60	2	90.4-90.4	6.6	17.1	.50	-----	-----	-----	-----
HOBART26-SESHAN25	4	90.0-90.7	13.7	19.9	1.52	-----	-----	-----	-----
HOBART26-SEST	2	90.4-90.4	19.5	25.8	1.69	-----	-----	-----	-----
HOBART26-WESTFORD	2	90.4-90.4	7.4	14.7	.38	-----	-----	-----	-----
HOHENFRG-MOJAVE12	2	89.5-89.5	.6	4.6	.32	-----	-----	-----	-----
HOHENFRG-NOTO	5	89.5-89.5	2.3	5.6	1.25	-----	-----	-----	-----
HOHENFRG-RICHMOND	2	89.5-89.5	.0	.2	.00	-----	-----	-----	-----
HOHENFRG-WESTFORD	2	89.5-89.5	1.3	4.7	.62	-----	-----	-----	-----
HOHENFRG-WETTZELL	5	89.5-89.5	2.8	4.9	3.31	-----	-----	-----	-----
HRAS 085-JPL MV1	3	82.8-87.8	5.6	6.6	.29	-----	-----	-----	-----
HRAS 085-KASHIMA	26	87.3-89.5	8.0	39.3	2.24	-25.7	11.7	35.9	1.94
HRAS 085-KODIAK	1	89.5-89.5	10.4	-----	-----	-----	-----	-----	-----
HRAS 085-LEONRDOK	1	87.6-87.6	5.8	-----	-----	-----	-----	-----	-----
HRAS 085-MAMMOTHL	1	83.5-83.5	41.4	-----	-----	-----	-----	-----	-----
HRAS 085-MARPOINT	3	82.8-89.4	5.0	18.7	2.00	-----	-----	-----	-----
HRAS 085-MCD 7850	1	88.8-88.8	2.2	-----	-----	-----	-----	-----	-----
HRAS 085-MEDICINA	12	87.3-89.1	2.0	12.5	1.45	-----	-----	-----	-----
HRAS 085-MILESMON	1	88.3-88.3	7.9	-----	-----	-----	-----	-----	-----
HRAS 085-MOJAVE12	134	83.5-90.8	.9	8.3	2.24	1.7	.4	7.7	1.94
HRAS 085-MON PEAK	33	82.8-89.4	4.3	23.2	8.18	14.4	1.2	9.7	1.49
HRAS 085-NRAO85 3	1	89.4-89.4	9.7	-----	-----	-----	-----	-----	-----
HRAS 085-NRAO 140	6	80.3-88.8	10.4	29.0	2.60	-10.7	1.1	5.6	.12
HRAS 085-ONSALA60	108	80.6-89.4	1.7	24.4	2.73	-9.1	1.3	20.1	1.86
HRAS 085-OVRO 130	73	80.3-88.8	1.5	10.8	1.31	-.5	1.0	10.8	1.33
HRAS 085-PENTICTN	3	84.7-85.7	4.6	4.7	.31	-----	-----	-----	-----
HRAS 085-PIETOWN	3	88.7-88.8	1.2	2.4	1.41	-----	-----	-----	-----
HRAS 085-PINFLATS	5	85.8-87.0	3.7	6.7	.72	-----	-----	-----	-----

Table 6.3 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
HRAS 085-PLATTVIL	20	83.4-89.3	4.1	11.8	4.87	-5.0	1.2	8.5	2.68
HRAS 085-PRESIDIO	4	85.2-87.1	6.0	10.0	1.71	------	-----	-----	-----
HRAS 085-PT REYES	2	85.2-85.8	.3	.3	.00	------	-----	-----	-----
HRAS 085-QUINCY	14	82.8-89.3	8.1	17.7	3.55	-6.5	2.4	13.9	2.38
HRAS 085-RICHMOND	349	84.0-90.8	.9	16.9	4.08	-8.3	.3	9.1	1.19
HRAS 085-ROBLED32	1	83.3-83.3	711.3	------	------	------	-----	-----	-----
HRAS 085-VERNAL	6	86.2-89.3	7.1	9.3	2.32	-1.5	3.9	9.2	2.80
HRAS 085-VNDNBERG	44	83.9-89.4	9.2	36.8	19.61	24.5	1.1	10.1	1.52
HRAS 085-WESTFORD	597	81.4-90.8	.8	17.7	3.88	-8.0	.2	8.7	.94
HRAS 085-WETTZELL	415	83.9-90.8	.8	24.9	4.33	-12.8	.4	13.0	1.19
HRAS 085-YELLOWKN	2	84.7-85.7	14.6	11.7	2.78	------	-----	-----	-----
HRAS 085-YUMA	18	83.8-88.8	2.2	8.4	1.49	-2.5	2.1	8.0	1.45
JPL MV1 -MAMMOTHL	4	83.5-86.8	8.3	9.3	2.08	------	-----	-----	-----
JPL MV1 -MOJAVE12	21	83.5-88.9	8.9	35.9	41.73	24.6	1.1	6.7	1.52
JPL MV1 -MON PEAK	1	82.8-82.8	16.7	------	------	------	-----	-----	-----
JPL MV1 -OVRO 130	19	82.8-88.9	8.7	29.6	20.99	18.5	1.4	8.6	1.87
JPL MV1 -PBLOSSOM	7	83.1-88.0	6.6	15.0	4.81	8.3	3.3	9.9	2.53
JPL MV1 -PINFLATS	6	83.8-87.0	4.2	6.4	.94	5.5	3.4	5.0	.71
JPL MV1 -PRESIDIO	2	88.8-88.9	16.6	7.3	2.75	------	-----	-----	-----
JPL MV1 -QUINCY	1	82.8-82.8	45.1	------	------	------	-----	-----	-----
JPL MV1 -VNDNBERG	18	83.6-88.9	9.5	19.9	8.18	13.8	1.9	9.6	2.03
KASHIM34-KASHIMA	5	90.2-90.5	.7	1.6	.34	------	-----	-----	-----
KASHIM34-KAUAI	6	90.2-90.8	10.5	13.1	.84	------	-----	-----	-----
KASHIM34-MARCUS	1	90.5-90.5	6.0	------	------	------	-----	-----	-----
KASHIM34-MEDICINA	1	90.6-90.6	21.0	------	------	------	-----	-----	-----
KASHIM34-MOJAVE12	7	90.2-91.0	39.8	40.7	5.79	------	-----	-----	-----
KASHIM34-NOBEY 6M	4	90.2-90.9	7.2	5.4	.78	------	-----	-----	-----
KASHIM34-ONSALA60	3	90.4-90.6	24.0	54.1	10.05	------	-----	-----	-----
KASHIM34-SESHAN25	3	90.2-90.7	6.9	8.1	2.98	------	-----	-----	-----
KASHIM34-SEST	2	90.4-90.4	16.2	17.4	.49	------	-----	-----	-----
KASHIM34-WESTFORD	2	90.4-90.4	8.1	11.7	.46	------	-----	-----	-----
KASHIMA -KAUAI	64	84.6-90.5	13.0	35.9	2.95	-9.8	2.8	32.9	2.51
KASHIMA -KWAJAL26	16	84.6-88.6	17.2	58.7	10.64	37.4	5.4	28.1	2.61
KASHIMA -MARCUS	1	90.5-90.5	6.4	------	------	------	-----	-----	-----
KASHIMA -MEDICINA	1	90.4-90.4	19.8	------	------	------	-----	-----	-----
KASHIMA -MIYAZAKI	3	86.8-88.8	.6	6.2	.18	------	-----	-----	-----
KASHIMA -MOJAVE12	54	84.1-90.3	11.4	43.1	2.82	7.4	3.2	41.0	2.60
KASHIMA -NOBEY 6M	3	89.9-90.2	1.4	5.0	.70	------	-----	-----	-----
KASHIMA -ONSALA60	6	85.5-88.9	18.9	46.7	2.95	16.7	20.1	43.1	3.15
KASHIMA -RICHMOND	28	87.3-90.1	13.5	51.7	3.38	3.1	11.9	51.6	3.51
KASHIMA -SESHAN25	14	88.3-90.5	5.8	14.1	3.85	-15.6	3.0	7.9	1.31
KASHIMA -SHANGHAI	1	86.5-86.5	26.1	------	------	------	-----	-----	-----
KASHIMA -TITIJIMA	3	87.9-89.9	1.7	2.5	.02	------	-----	-----	-----
KASHIMA -TSUKUBA	7	84.6-89.7	3.7	5.4	.36	-1.1	1.5	5.1	.39
KASHIMA -VNDNBERG	27	85.4-90.1	19.2	42.2	2.57	-6.3	5.4	41.1	2.53
KASHIMA -WESTFORD	8	85.5-90.0	35.3	39.5	2.59	7.6	10.5	37.8	2.77
KASHIMA -WETTZELL	12	84.7-90.4	25.1	33.2	1.52	5.7	5.2	31.4	1.50
KASHIMA -WHTHORSE	1	89.6-89.6	15.8	------	------	------	-----	-----	-----

Table 6.3 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
KAUAI -KWAJAL26	20	84.5-88.6	10.2	24.4	1.88	3.4	4.0	23.9	1.91
KAUAI -MARPOINT	6	88.4-89.4	37.5	38.2	1.17	----	----	----	----
KAUAI -MATERA	3	90.8-90.9	5.0	5.8	.15	----	----	----	----
KAUAI -MOJAVE12	44	84.5-90.7	25.9	94.6	36.73	59.0	1.8	18.5	1.44
KAUAI -NOTO	2	89.5-89.7	1.1	1.5	.01	----	----	----	----
KAUAI -NRAO85 3	67	89.1-91.0	6.0	33.8	3.28	----	----	----	----
KAUAI -ONSALA60	2	90.4-90.4	.3	9.8	.30	----	----	----	----
KAUAI -RICHMOND	52	88.4-90.9	6.2	33.5	2.28	43.9	8.2	26.6	1.48
KAUAI -SESHAN25	13	88.3-91.0	18.3	30.9	1.93	-18.0	10.3	27.3	1.64
KAUAI -SEST	2	90.4-90.4	11.1	21.4	1.09	----	----	----	----
KAUAI -SHANGHAI	1	86.5-86.5	35.1	----	----	----	----	----	----
KAUAI -VNDNBERG	32	84.5-90.1	14.3	45.5	9.63	26.4	2.3	19.8	1.88
KAUAI -WESTFORD	5	90.4-90.7	4.8	11.5	.47	----	----	----	----
KAUAI -WHTHORSE	1	89.6-89.6	11.4	----	----	----	----	----	----
KODIAK -MOJAVE12	10	87.5-90.5	2.6	10.7	1.11	-5.7	3.2	9.0	.89
KODIAK -NOME	4	84.6-86.6	2.0	5.4	.37	----	----	----	----
KODIAK -VNDNBERG	4	84.6-86.6	2.3	5.1	.09	----	----	----	----
KODIAK -WESTFORD	8	88.5-90.5	5.1	14.7	1.48	----	----	----	----
KWAJAL26-MOJAVE12	17	84.5-88.6	43.0	90.1	7.94	59.8	7.3	38.7	1.56
KWAJAL26-SESHAN25	3	88.5-88.6	7.9	12.7	.48	----	----	----	----
KWAJAL26-VNDNBERG	12	84.5-88.6	23.9	47.6	2.39	18.4	15.0	44.4	2.29
LEONRDOK-RICHMOND	1	87.6-87.6	8.2	----	----	----	----	----	----
LEONRDOK-WESTFORD	1	87.6-87.6	9.0	----	----	----	----	----	----
MAMMOTHL-MOJAVE12	4	83.5-86.8	11.0	12.6	6.54	----	----	----	----
MAMMOTHL-OVRO 130	4	83.5-86.8	3.1	6.0	1.36	----	----	----	----
MAMMOTHL-VNDNBERG	2	84.8-86.8	51.0	19.1	26.06	----	----	----	----
MARCUS -SESHAN25	1	90.5-90.5	8.9	----	----	----	----	----	----
MARPOINT-MEDICINA	1	89.0-89.0	26.3	----	----	----	----	----	----
MARPOINT-NOTO	1	89.5-89.5	27.6	----	----	----	----	----	----
MARPOINT-NRAO85 3	11	89.1-89.6	7.3	11.4	4.33	----	----	----	----
MARPOINT-ONSALA60	4	82.5-83.7	16.2	55.9	.01	----	----	----	----
MARPOINT-OVRO 130	3	82.5-82.8	13.7	85.8	2.31	----	----	----	----
MARPOINT-RICHMOND	22	87.6-89.6	4.0	12.9	2.17	-10.7	2.9	10.0	1.37
MARPOINT-WESTFORD	9	82.5-89.4	8.9	13.0	4.12	2.0	3.8	12.7	4.52
MATERA -MEDICINA	2	90.7-91.0	15.1	2.6	2.08	----	----	----	----
MATERA -NOTO	2	90.7-91.0	5.1	.6	.14	----	----	----	----
MATERA -NRAO85 3	2	90.8-90.9	18.4	7.8	.76	----	----	----	----
MATERA -ONSALA60	2	90.7-91.0	16.4	3.9	1.01	----	----	----	----
MATERA -WETTZELL	2	90.7-91.0	13.6	2.4	1.01	----	----	----	----
MCD 7850-MOJAVE12	1	88.8-88.8	5.5	----	----	----	----	----	----
MCD 7850-PIETOWN	1	88.8-88.8	2.8	----	----	----	----	----	----
MCD 7850-WESTFORD	1	88.8-88.8	12.3	----	----	----	----	----	----
MEDICINA-NOTO	3	90.1-91.0	3.9	1.7	.54	----	----	----	----
MEDICINA-ONSALA60	11	87.3-91.0	4.6	7.6	3.60	-1.1	2.7	7.6	3.93
MEDICINA-RICHMOND	14	87.3-89.0	3.6	14.7	1.59	----	----	----	----
MEDICINA-SESHAN25	1	90.4-90.4	18.4	----	----	----	----	----	----
MEDICINA-WESTFORD	19	87.3-89.1	4.4	15.1	2.89	----	----	----	----
MEDICINA-WETTZELL	19	87.3-91.0	1.7	4.0	1.71	-1.0	1.1	3.9	1.73

Table 6.3 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
METSHOVI-MOJAVE12	2	89.5-89.5	5.2	4.7	.28	------	-----	-----	-----
METSHOVI-ONSALA60	5	89.5-89.5	5.7	9.2	2.70	------	-----	-----	-----
METSHOVI-RICHMOND	2	89.5-89.5	1.3	1.7	.04	------	-----	-----	-----
METSHOVI-WESTFORD	2	89.5-89.5	5.5	4.1	.33	------	-----	-----	-----
METSHOVI-WETTZELL	5	89.5-89.5	13.1	12.1	3.38	------	-----	-----	-----
MILESMON-MOJAVE12	1	88.3-88.3	8.7	------	------	------	-----	-----	-----
MILESMON-WESTFORD	1	88.3-88.3	13.3	------	------	------	-----	-----	-----
MOJAVE12-MON PEAK	36	83.5-90.9	8.0	37.9	120.66	23.7	.9	7.8	5.21
MOJAVE12-NOBEY 6M	6	89.9-90.9	27,0	41.2	4.65	------	-----	-----	-----
MOJAVE12-NOME	3	90.5-90.5	3.5	11.5	1.10	------	-----	-----	-----
MOJAVE12-NOTO	6	89.5-91.0	1.6	13.8	1.60	------	-----	-----	-----
MOJAVE12-NRAO85 3	6	89.5-90.7	4.6	10.5	.99	------	-----	-----	-----
MOJAVE12-NRAO 140	2	88.8-90.7	3.7	24.7	7.61	------	-----	-----	-----
MOJAVE12-OCOTILLO	3	84.2-85.2	9.9	7.9	3.12	------	-----	-----	-----
MOJAVE12-ONSALA60	39	83.8-91.0	3.6	19.0	3.72	-3.6	2.0	18.2	3.50
MOJAVE12-OVRO 130	80	83.5-88.9	.8	6.8	2.99	-1.8	.5	6.3	2.60
MOJAVE12-OVR 7853	1	87.8-87.8	2.6	------	------	------	-----	-----	-----
MOJAVE12-PBLOSSOM	9	83.6-88.1	9.1	22.1	23.87	16.7	.8	2.7	.40
MOJAVE12-PENTICTN	3	90.6-90.6	2.9	9.1	2.57	------	-----	-----	-----
MOJAVE12-PIETOWN	27	88.7-91.0	2.0	5.3	4.79	6.8	1.5	3.9	2.69
MOJAVE12-PINFLATS	21	83.8-90.1	3.9	15.0	13.66	10.7	.8	4.8	1.46
MOJAVE12-PLATTVIL	21	84.3-90.8	4.2	15.3	6.05	6.4	.8	7.3	1.46
MOJAVE12-PRESIDIO	20	83.7-90.1	3.2	11.8	4.46	6.8	1.4	6.5	1.50
MOJAVE12-PT REYES	18	83.7-90.0	2.6	18.7	10.19	12.5	.8	4.9	.74
MOJAVE12-PVERDES	9	83.9-90.1	11.7	48.9	107.68	30.0	.8	3.5	.61
MOJAVE12-QUINCY	20	83.5-90.8	3.8	12.7	7.07	-6.1	.9	6.6	2.02
MOJAVE12-RICHMOND	124	84.0-91.0	.8	6.1	.87	-5.5	.9	5.4	.68
MOJAVE12-SANPAULA	10	83.7-90.1	10.5	35.5	39.65	24.9	1.3	5.3	.98
MOJAVE12-SEATTLE1	3	86.7-90.6	7.6	6.2	.87	------	-----	-----	-----
MOJAVE12-SEST	1	90.3-90.3	19.5	------	------	------	-----	-----	-----
MOJAVE12-SNDPOINT	10	87.6-90.5	5.2	13.1	1.10	-1.1	6.1	13.1	1.23
MOJAVE12-SOURDOGH	8	87.6-89.6	9.7	18.7	2.91	------	-----	-----	-----
MOJAVE12-TROMSONO	1	89.6-89.6	9.0	------	------	------	-----	-----	-----
MOJAVE12-VERNAL	8	86.2-90.8	6.6	11.3	4.42	7.4	1.2	4.1	.69
MOJAVE12-VICTORIA	3	90.6-90.6	1.3	4.4	.51	------	-----	-----	-----
MOJAVE12-VNDNBERG	161	83.6-90.1	6.3	52.5	147.55	33.1	.3	6.4	2.18
MOJAVE12-WESTFORD	304	83.5-91.0	.8	9.3	1.57	-.8	.5	9.2	1.56
MOJAVE12-WETTZELL	144	84.7-91.0	.9	12.1	1.77	-6.2	.9	10.5	1.34
MOJAVE12-WHTHORSE	5	88.6-89.6	7.0	6.1	.73	------	-----	-----	-----
MOJAVE12-YAKATAGA	10	87.6-90.4	7.5	20.6	3.51	17.7	4.3	7.9	.66
MOJAVE12-YUMA	21	83.8-88.8	1.4	5.2	1.58	.3	1.2	5.2	1.65
MOJ 7288-MOJAVE12	1	87.8-87.8	2.4	------	------	------	-----	-----	-----
MOJ 7288-OVRO 130	1	87.8-87.8	2.8	------	------	------	-----	-----	-----
MOJ 7288-OVR 7853	1	87.8-87.8	3.0	------	------	------	-----	-----	-----
MON PEAK-OVRO 130	20	82.8-88.8	5.8	25.9	26.53	18.1	1.5	8.7	3.17
MON PEAK-QUINCY	13	83.5-88.8	6.9	18.5	9.14	9.3	2.4	12.2	4.32
MON PEAK-VNDNBERG	26	83.9-89.4	5.1	19.3	13.31	12.5	1.2	8.2	2.51
MON PEAK-WESTFORD	2	90.9-90.9	1.1	5.2	.19	------	-----	-----	-----

Table 6.3 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
MON PEAK-YUMA	8	83.8-87.9	10.6	20.4	13.61	23.9	3.5	6.8	1.78
NOME -SNDPOINT	3	84.5-86.6	4.8	5.7	.82	------	-----	-----	-----
NOME -VNDNBERG	7	84.5-86.6	3.5	12.4	.45	-6.9	8.8	11.7	.48
NOME -WESTFORD	3	90.5-90.5	.5	9.1	.48	------	-----	-----	-----
NOTO -NRAO85 3	3	89.5-89.7	4.2	9.2	.30	------	-----	-----	-----
NOTO -ONSALA60	6	89.4-91.0	5.0	7.7	2.34	------	-----	-----	-----
NOTO -RICHMOND	5	89.5-91.0	9.9	17.4	2.20	------	-----	-----	-----
NOTO -WESTFORD	6	89.4-91.0	5.5	13.2	1.94	------	-----	-----	-----
NOTO -WETTZELL	16	89.4-91.0	1.4	3.6	.75	------	-----	-----	-----
NRAO85 3-RICHMOND	57	89.3-90.9	1.6	8.2	1.95	------	-----	-----	-----
NRAO85 3-WESTFORD	5	89.4-90.7	3.4	3.2	.67	------	-----	-----	-----
NRAO 140-ONSALA60	4	81.9-83.0	11.7	145.2	.05	------	-----	-----	-----
NRAO 140-OVRO 130	8	79.6-88.8	5.7	21.5	.46	-3.4	4.3	20.4	.48
NRAO 140-WESTFORD	6	81.9-90.7	2.0	5.1	.53	.5	1.6	5.0	.65
OCOTILLO-OVRO 130	1	85.2-85.2	5.3	------	------	------	-----	-----	-----
OCOTILLO-PVERDES	1	85.2-85.2	6.5	------	------	------	-----	-----	-----
OCOTILLO-VNDNBERG	3	84.2-85.2	18.0	13.0	3.51	------	-----	-----	-----
ONSALA60-OVRO 130	33	80.6-87.8	8.2	53.7	4.04	8.0	9.9	53.1	4.09
ONSALA60-RICHMOND	61	84.1-91.0	1.5	11.7	1.49	-4.9	.6	8.0	.72
ONSALA60-ROBLED32	1	83.3-83.3	408.3	------	------	------	-----	-----	-----
ONSALA60-SEST	3	90.3-90.4	47.4	69.1	10.23	------	-----	-----	-----
ONSALA60-TROMSONO	4	89.6-89.6	4.5	6.0	1.17	------	-----	-----	-----
ONSALA60-WESTFORD	147	81.4-91.0	1.2	12.2	1.96	-.1	.5	12.2	1.97
ONSALA60-WETTZELL	125	83.9-91.0	.8	6.2	2.32	-1.7	.3	5.6	1.90
OVRO 130-PBLOSSOM	7	83.1-87.8	4.4	14.4	6.88	11.2	1.2	3.3	.44
OVRO 130-PINFLATS	7	83.8-86.8	2.4	9.8	3.00	9.4	5.9	8.0	2.38
OVRO 130-PLATTVIL	9	83.4-88.3	8.2	12.4	3.76	9.0	1.1	3.7	.39
OVRO 130-PRESIDIO	8	83.7-88.9	8.6	19.5	9.07	11.3	2.2	8.2	1.89
OVRO 130-PT REYES	6	83.7-88.9	12.0	27.2	13.88	15.7	2.4	8.0	1.52
OVRO 130-PVERDES	2	83.9-85.2	.6	3.7	.67	------	-----	-----	-----
OVRO 130-QUINCY	14	82.8-88.8	4.2	9.8	3.98	-4.9	1.1	5.9	1.59
OVRO 130-SANPAULA	1	83.7-83.7	22.7	------	------	------	-----	-----	-----
OVRO 130-VNDNBERG	46	83.6-88.9	11.1	50.2	101.00	35.8	.9	8.6	3.06
OVRO 130-WESTFORD	29	81.5-88.8	5.8	21.8	2.68	1.8	3.1	21.6	2.75
OVRO 130-WETTZELL	7	85.2-87.8	30.1	44.8	14.10	12.9	23.8	43.5	15.99
OVRO 130-YUMA	7	83.8-87.8	3.4	5.5	1.12	5.3	2.8	4.2	.79
OVR 7853-OVRO 130	1	87.8-87.8	2.5	------	------	------	-----	-----	-----
PBLOSSOM-SANPAULA	1	88.1-88.1	11.0	------	------	------	-----	-----	-----
PBLOSSOM-VNDNBERG	9	83.6-88.1	6.2	21.3	10.83	15.9	1.9	6.3	1.09
PENTICTN-WESTFORD	3	90.6-90.6	13.2	20.6	5.83	------	-----	-----	-----
PENTICTN-YELLOWKN	2	84.7-85.7	.9	11.7	6.17	------	-----	-----	-----
PIETOWN -WESTFORD	27	88.7-91.0	3.0	9.4	1.67	-1.5	3.2	9.4	1.72
PINFLATS-PVERDES	3	87.2-88.1	2.7	4.0	.37	------	-----	-----	-----
PINFLATS-VNDNBERG	20	83.8-90.1	9.4	26.1	14.87	15.7	.9	6.1	.85
PINFLATS-YUMA	6	83.8-87.0	3.7	11.3	3.25	10.7	7.1	9.0	2.61
PLATTVIL-VERNAL	1	86.2-86.2	6.0	------	------	------	-----	-----	-----
PLATTVIL-WESTFORD	11	83.4-90.8	7.5	15.0	3.16	-7.7	1.4	7.2	.81
PRESIDIO-PT REYES	3	83.7-85.8	7.3	6.8	1.40	------	-----	-----	-----

Table 6.3 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
PRESIDIO-VNDNBERG	20	83.7-90.1	3.1	9.4	3.75	2.9	1.6	7.2	2.49
PRESIDIO-WESTFORD	4	89.8-89.9	9.0	7.8	.56	------	-----	-----	-----
PRESIDIO-YUMA	1	87.1-87.1	5.9	------	------	------	-----	-----	-----
PT REYES-VNDNBERG	18	83.7-90.0	2.0	7.6	2.32	4.4	.8	4.3	.81
PT REYES-WESTFORD	4	89.9-89.9	3.2	7.4	.54	------	-----	-----	-----
PT REYES-YUMA	1	87.8-87.8	10.3	------	------	------	-----	-----	-----
PVERDES -VNDNBERG	9	83.9-90.1	6.1	13.9	5.88	7.3	1.8	7.5	1.97
QUINCY -VNDNBERG	13	84.3-89.8	8.8	25.3	33.12	17.8	1.5	7.0	2.72
QUINCY -WESTFORD	2	89.8-89.8	4.5	4.5	.23	------	-----	-----	-----
RICHMOND-TROMSONO	1	89.6-89.6	8.7	------	------	------	-----	-----	-----
RICHMOND-WESTFORD	462	84.0-91.0	.7	12.9	6.17	-6.3	.1	5.6	1.19
RICHMOND-WETTZELL	439	84.1-91.0	.6	14.6	1.70	-6.7	.2	7.9	.49
ROBLED32-WESTFORD	1	83.3-83.3	716.4	------	------	------	-----	-----	-----
SANPAULA-VNDNBERG	10	83.7-90.1	5.3	16.3	6.61	9.5	2.0	8.3	1.91
SEATTLE1-WESTFORD	3	86.7-90.6	62.1	37.1	9.32	------	-----	-----	-----
SESHAN25-WETTZELL	2	90.3-90.4	.3	19.8	1.76	------	-----	-----	-----
SEST -WESTFORD	3	90.3-90.4	34.3	24.5	2.29	------	-----	-----	-----
SNDPOINT-VNDNBERG	3	84.5-86.6	34.1	27.6	4.59	------	-----	-----	-----
SNDPOINT-WESTFORD	8	88.5-90.5	12.3	14.7	1.04	------	-----	-----	-----
SOURDOGH-VNDNBERG	8	84.6-86.6	6.4	18.7	2.02	19.0	8.5	13.8	1.28
SOURDOGH-WESTFORD	6	88.6-89.6	9.6	14.1	1.20	------	-----	-----	-----
SOURDOGH-WHTHORSE	3	84.6-86.6	5.2	12.0	4.82	------	-----	-----	-----
SOURDOGH-YAKATAGA	4	84.6-86.6	1.7	2.8	.43	------	-----	-----	-----
TROMSONO-WESTFORD	1	89.6-89.6	6.9	------	------	------	-----	-----	-----
TROMSONO-WETTZELL	4	89.6-89.6	2.3	3.9	.33	------	-----	-----	-----
VERNAL -VNDNBERG	1	88.8-88.8	8.5	------	------	------	-----	-----	-----
VERNAL -WESTFORD	4	89.3-90.8	2.3	4.0	.16	------	-----	-----	-----
VERNAL -YUMA	1	88.8-88.8	7.1	------	------	------	-----	-----	-----
VICTORIA-WESTFORD	3	90.6-90.6	5.3	10.4	1.08	------	-----	-----	-----
VNDNBERG-WESTFORD	10	89.8-89.9	4.9	10.5	1.00	------	-----	-----	-----
VNDNBERG-WHTHORSE	3	84.6-86.6	19.1	30.2	8.69	------	-----	-----	-----
VNDNBERG-YAKATAGA	4	84.6-86.6	12.8	19.1	2.43	------	-----	-----	-----
VNDNBERG-YUMA	19	83.8-88.8	11.5	26.5	20.57	25.1	1.6	6.6	1.35
WESTFORD-WETTZELL	567	83.9-91.0	.4	9.3	1.14	-3.3	.2	7.1	.68
WESTFORD-WHTHORSE	4	88.6-89.6	15.9	9.4	1.06	------	-----	-----	-----
WESTFORD-YAKATAGA	7	88.6-90.4	10.4	21.0	2.73	------	-----	-----	-----

Table 6.4
Vertical Statistical Summary

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
ALGOPARK-GILCREEK	21	84.7-90.6	19.2	45.9	3.49	13.3	4.8	38.9	2.63
ALGOPARK-HRAS 085	5	84.7-85.7	20.0	36.7	1.19	------	-----	-----	-----
ALGOPARK-KAUAI	4	90.5-90.6	78.4	60.4	5.05	------	-----	-----	-----
ALGOPARK-KODIAK	3	90.5-90.5	.2	3.4	.01	------	-----	-----	-----
ALGOPARK-MOJAVE12	19	85.6-90.6	8.6	27.3	1.77	15.3	6.5	23.8	1.42
ALGOPARK-NRA085 3	4	90.5-90.6	30.6	32.5	2.65	------	-----	-----	-----
ALGOPARK-PENTICTN	6	84.7-90.6	9.0	33.0	.37	-9.4	4.7	23.5	.24
ALGOPARK-RICHMOND	7	90.5-90.6	22.7	32.5	2.92	------	-----	-----	-----
ALGOPARK-SNDPOINT	3	90.5-90.5	23.8	33.8	.99	------	-----	-----	-----
ALGOPARK-VICTORIA	3	90.6-90.6	25.0	38.0	.86	------	-----	-----	-----
ALGOPARK-WESTFORD	19	84.7-90.6	9.3	23.3	2.85	-.5	3.5	23.3	3.02
ALGOPARK-WETTZELL	5	90.5-90.6	1.1	6.6	.11	------	-----	-----	-----
ALGOPARK-YELLOWKN	2	84.7-85.7	24.8	28.3	.76	------	-----	-----	-----
AUSTINTX-HRAS 085	1	87.5-87.5	28.3	------	------	------	-----	-----	-----
AUSTINTX-RICHMOND	1	87.5-87.5	28.3	------	------	------	-----	-----	-----
AUSTINTX-WESTFORD	1	87.5-87.5	28.3	------	------	------	-----	-----	-----
BERMUDA -MARPOINT	3	87.6-87.6	135.8	72.5	7.01	------	-----	-----	-----
BERMUDA -RICHMOND	4	87.6-87.6	51.1	56.3	2.48	------	-----	-----	-----
BERMUDA -WESTFORD	4	87.6-87.6	11.8	23.7	.74	------	-----	-----	-----
BLKBUTTE-ELY	2	88.8-88.8	1.4	5.9	.05	------	-----	-----	-----
BLKBUTTE-HATCREEK	5	87.1-88.8	67.4	71.9	3.51	------	-----	-----	-----
BLKBUTTE-HRAS 085	5	83.9-88.8	34.2	48.0	2.03	-16.3	22.3	44.2	2.30
BLKBUTTE-MOJAVE12	12	83.9-88.8	15.3	43.9	1.33	-7.3	11.4	43.0	1.41
BLKBUTTE-MON PEAK	4	83.9-86.8	38.7	51.9	1.67	------	-----	-----	-----
BLKBUTTE-OCOTILLO	2	84.2-85.0	37.8	55.9	.46	------	-----	-----	-----
BLKBUTTE-OVRO 130	3	86.4-87.8	36.9	40.1	1.69	------	-----	-----	-----
BLKBUTTE-PRESIDIO	2	87.4-87.8	354.1	118.0	9.01	------	-----	-----	-----
BLKBUTTE-PT REYES	1	87.1-87.1	118.0	------	------	------	-----	-----	-----
BLKBUTTE-VNDNBERG	12	83.9-88.8	16.2	47.1	1.31	1.0	13.4	47.1	1.44
BLOOMIND-HRAS 085	1	87.6-87.6	14.2	------	------	------	-----	-----	-----
BLOOMIND-WESTFORD	1	87.6-87.6	14.2	------	------	------	-----	-----	-----
BREST -MOJAVE12	2	89.7-89.7	33.2	29.2	1.29	------	-----	-----	-----
BREST -NOTO	4	89.7-89.7	43.2	43.3	2.98	------	-----	-----	-----
BREST -ONSALA60	1	89.7-89.7	25.0	------	------	------	-----	-----	-----
BREST -RICHMOND	1	89.7-89.7	25.0	------	------	------	-----	-----	-----
BREST -WESTFORD	2	89.7-89.7	29.0	25.3	1.31	------	-----	-----	-----
BREST -WETTZELL	4	89.7-89.7	43.4	40.6	3.42	------	-----	-----	-----
CARNUSTY-MOJAVE12	1	89.6-89.6	23.5	------	------	------	-----	-----	-----
CARNUSTY-RICHMOND	1	89.6-89.6	23.5	------	------	------	-----	-----	-----
CARNUSTY-WESTFORD	1	89.6-89.6	23.5	------	------	------	-----	-----	-----
CARNUSTY-WETTZELL	4	89.6-89.6	26.0	39.4	1.31	------	-----	-----	-----
CARROLGA-HRAS 085	1	87.5-87.5	22.7	------	------	------	-----	-----	-----
CARROLGA-RICHMOND	1	87.5-87.5	22.7	------	------	------	-----	-----	-----
CARROLGA-WESTFORD	1	87.5-87.5	22.7	------	------	------	-----	-----	-----

TABLE 6.4 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
CHLBOLTN-HAYSTACK	7	80.8-80.8	12.0	100.7	.09	——	——	——	——
CHLBOLTN-HRAS 085	7	80.8-80.8	14.1	134.1	.07	——	——	——	——
CHLBOLTN-ONSALA60	7	80.8-80.8	18.3	60.8	.54	——	——	——	——
CHLBOLTN-OVRO 130	6	80.8-80.8	16.6	139.2	.07	——	——	——	——
DEADMANL-JPL MV1	1	88.1-88.1	62.3	——	——	——	——	——	——
DEADMANL-MOJAVE12	5	84.2-88.1	37.0	50.3	2.16	62.9	24.3	28.0	.89
DEADMANL-SANPAULA	4	84.2-87.9	83.7	93.6	2.40	——	——	——	——
DEADMANL-VNDNBERG	5	84.2-88.1	60.4	80.0	2.28	98.0	21.2	28.0	.37
DSS15 -GILCREEK	2	88.9-89.6	19.5	16.3	1.43	——	——	——	——
DSS15 -GOLDVENU	1	87.8-87.8	16.3	——	——	——	——	——	——
DSS15 -HAYSTACK	2	88.9-89.6	.5	2.6	.04	——	——	——	——
DSS15 -MOJAVE12	1	87.8-87.8	2.6	——	——	——	——	——	——
DSS15 -MOJ 7288	1	87.8-87.8	2.6	——	——	——	——	——	——
DSS15 -OVRO 130	2	87.8-88.9	.6	2.4	.06	——	——	——	——
DSS15 -OVR 7853	1	87.8-87.8	2.4	——	——	——	——	——	——
DSS15 -YAKATAGA	1	89.6-89.6	2.4	——	——	——	——	——	——
DSS45 -GILCREEK	10	88.5-91.0	33.5	59.3	2.88	24.7	28.7	56.7	2.96
DSS45 -HOBART26	4	89.9-90.5	9.1	13.5	1.35	——	——	——	——
DSS45 -KASHIM34	1	90.2-90.2	7.8	——	——	——	——	——	——
DSS45 -KASHIMA	10	88.5-90.5	18.6	39.3	2.01	——	——	——	——
DSS45 -KAUAI	12	88.4-91.0	21.7	47.3	2.32	-1.8	20.5	47.3	2.55
DSS45 -KWAJAL26	3	88.5-88.6	32.6	43.8	1.11	——	——	——	——
DSS45 -MOJAVE12	1	88.4-88.4	31.0	——	——	——	——	——	——
DSS45 -SESHAN25	10	88.5-91.0	30.5	51.1	3.19	23.5	23.9	48.3	3.20
DSS65 -HRAS 085	1	88.8-88.8	17.0	——	——	——	——	——	——
DSS65 -MATERA	2	90.7-91.0	191.9	40.7	22.18	——	——	——	——
DSS65 -MEDICINA	7	88.7-91.0	4.6	10.1	1.24	1.0	5.5	10.0	1.47
DSS65 -MOJAVE12	1	88.8-88.8	4.1	——	——	——	——	——	——
DSS65 -NOTO	4	89.4-91.0	16.0	16.1	2.95	——	——	——	——
DSS65 -ONSALA60	8	88.8-91.0	7.3	14.3	1.83	9.7	6.9	12.4	1.61
DSS65 -RICHMOND	3	88.7-89.0	24.2	29.1	1.39	——	——	——	——
DSS65 -WESTFORD	5	88.7-89.4	21.9	29.4	2.21	——	——	——	——
DSS65 -WETTZELL	8	88.7-91.0	9.0	14.9	2.60	11.3	6.8	12.3	2.07
EFLSBERG-HAYSTACK	7	79.9-83.3	48.6	216.4	.30	126.9	88.3	182.0	.26
EFLSBERG-HRAS 085	6	80.6-83.3	30.7	192.0	.13	101.5	78.7	161.4	.11
EFLSBERG-NRAO 140	1	79.9-79.9	85.9	——	——	——	——	——	——
EFLSBERG-ONSALA60	6	80.6-83.3	6.0	28.4	.22	22.9	8.0	16.2	.09
EFLSBERG-OVRO 130	6	79.9-80.7	27.2	182.8	.11	——	——	——	——
EFLSBERG-ROBLED32	1	83.3-83.3	81.8	——	——	——	——	——	——
EFLSBERG-WESTFORD	1	83.3-83.3	81.8	——	——	——	——	——	——
ELY -HATCREEK	9	85.3-89.3	21.1	44.3	1.81	-25.6	8.5	29.2	.90
ELY -HRAS 085	10	84.3-89.3	14.9	41.3	1.18	-2.6	10.4	41.1	1.32
ELY -MOJAVE12	12	84.3-90.8	16.6	41.9	1.72	5.3	9.3	41.2	1.83
ELY -OVRO 130	1	86.3-86.3	12.6	——	——	——	——	——	——
ELY -PLATTVIL	3	84.3-86.3	30.4	48.0	.81	——	——	——	——
ELY -VNDNBERG	5	87.4-88.8	5.9	18.6	.40	——	——	——	——
ELY -WESTFORD	4	89.3-90.8	25.7	44.7	.99	——	——	——	——
ELY -YUMA	3	87.4-88.3	30.1	46.3	.85	——	——	——	——

TABLE 6.4 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
FLAGSTAF-HATCREEK	8	84.3-90.9	33.3	61.2	2.08	14.3	9.6	52.4	1.78
FLAGSTAF-HRAS 085	6	84.3-88.8	31.2	52.9	1.74	8.1	21.4	51.9	2.10
FLAGSTAF-MOJAVE12	8	84.3-90.9	28.3	52.5	2.03	17.0	8.3	40.4	1.40
FLAGSTAF-PLATTVIL	4	84.3-88.8	32.7	51.3	1.22	----	----	----	----
FLAGSTAF-VERNAL	2	87.3-88.3	17.7	23.9	.55	----	----	----	----
FLAGSTAF-WESTFORD	2	90.8-90.9	9.8	18.6	.28	----	----	----	----
FORTORDS-GILCREEK	15	88.9-90.1	9.7	36.5	.98	----	----	----	----
FORTORDS-HATCREEK	16	88.9-90.1	9.4	33.7	1.17	----	----	----	----
FORTORDS-HAYSTACK	1	89.8-89.8	8.7	----	----	----	----	----	----
FORTORDS-MOJAVE12	17	88.9-90.1	10.0	35.9	1.25	----	----	----	----
FORTORDS-OVRO 130	2	88.9-88.9	32.9	32.2	1.04	----	----	----	----
FORTORDS-PRESIDIO	3	89.8-89.9	61.6	59.8	2.12	----	----	----	----
FORTORDS-PT REYES	5	88.9-89.9	9.1	28.4	.41	----	----	----	----
FORTORDS-QUINCY	2	89.8-89.8	8.2	17.4	.22	----	----	----	----
FORTORDS-VNDNBERG	17	88.9-90.1	15.0	44.8	1.78	----	----	----	----
FORTORDS-WESTFORD	9	89.8-89.9	16.5	40.2	1.36	----	----	----	----
FORT ORD-GILCREEK	4	88.1-88.1	6.8	23.2	.26	----	----	----	----
FORT ORD-HATCREEK	10	84.2-88.1	67.3	93.1	4.70	14.7	26.9	91.4	5.10
FORT ORD-HRAS 085	4	85.2-87.8	49.6	61.9	1.92	----	----	----	----
FORT ORD-JPL MV1	1	87.8-87.8	35.8	----	----	----	----	----	----
FORT ORD-MOJAVE12	11	83.7-88.1	11.8	38.0	.96	-2.0	10.4	37.9	1.06
FORT ORD-MON PEAK	1	87.1-87.1	12.0	----	----	----	----	----	----
FORT ORD-OVRO 130	5	83.7-87.8	6.8	24.6	.31	3.4	9.8	24.1	.39
FORT ORD-PRESIDIO	4	83.7-88.1	18.2	35.7	.78	----	----	----	----
FORT ORD-PT REYES	3	87.4-88.1	118.9	79.2	4.50	----	----	----	----
FORT ORD-VNDNBERG	11	83.7-88.1	15.2	44.9	1.14	7.6	11.7	43.9	1.21
FTD 7900-HRAS 085	1	88.8-88.8	14.2	----	----	----	----	----	----
FTD 7900-MOJAVE12	1	88.8-88.8	14.2	----	----	----	----	----	----
FTD 7900-PIETOWN	1	88.8-88.8	14.2	----	----	----	----	----	----
FTD 7900-WESTFORD	1	88.8-88.8	14.2	----	----	----	----	----	----
GILCREEK-GOLDVENU	2	88.5-90.6	10.7	11.5	.88	----	----	----	----
GILCREEK-HALEAKAL	3	88.5-88.5	20.6	33.9	.74	----	----	----	----
GILCREEK-HARTRAO	2	90.4-90.4	1.5	6.2	.06	----	----	----	----
GILCREEK-HATCREEK	65	85.4-90.8	7.5	38.1	2.47	11.6	2.9	34.1	2.01
GILCREEK-HAYSTACK	21	84.7-90.6	4.3	19.0	1.01	-.8	5.1	19.0	1.07
GILCREEK-HOBART26	17	89.7-91.0	11.0	37.5	1.38	----	----	----	----
GILCREEK-HRAS 085	54	84.7-89.5	9.7	44.3	2.53	-1.4	6.0	44.3	2.58
GILCREEK-KASHIM34	14	90.2-91.0	22.1	41.8	3.63	----	----	----	----
GILCREEK-KASHIMA	112	84.6-90.5	8.9	54.2	2.97	21.0	2.6	42.9	1.87
GILCREEK-KAUAI	147	84.5-91.0	5.3	42.3	2.32	7.0	2.2	40.9	2.18
GILCREEK-KODIAK	15	84.6-90.5	8.9	33.8	.97	-6.6	7.0	32.7	.98
GILCREEK-KWAJAL26	20	84.5-88.6	28.9	76.1	2.75	28.6	10.6	64.3	2.07
GILCREEK-MARCUS	1	90.5-90.5	17.5	----	----	----	----	----	----
GILCREEK-MARPOINT	24	88.1-89.6	19.9	71.0	1.81	----	----	----	----
GILCREEK-MATERA	3	90.8-90.9	97.4	69.9	3.89	----	----	----	----
GILCREEK-MEDICINA	2	89.0-90.6	.4	2.6	.02	----	----	----	----
GILCREEK-MOJAVE12	224	84.5-91.0	2.5	27.1	1.87	4.0	1.3	26.6	1.80
GILCREEK-NOBEY 6M	6	89.9-90.9	52.4	67.6	3.00	----	----	----	----

TABLE 6.4 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
GILCREEK-NOME	10	84.5-90.5	7.8	31.0	.56	-3.8	4.5	29.7	.58
GILCREEK-NOTO	3	89.5-89.7	5.0	14.4	.24	------	------	------	------
GILCREEK-NRAO85 3	74	89.1-91.0	5.5	36.3	1.66	------	------	------	------
GILCREEK-NRAO 140	1	90.7-90.7	4.3	------	------	------	------	------	------
GILCREEK-ONSALA60	10	85.5-90.6	13.9	32.5	1.64	-5.4	6.0	31.0	1.68
GILCREEK-OVRO 130	12	85.4-88.9	18.0	37.7	2.49	12.5	11.3	35.6	2.44
GILCREEK-PENTICTN	5	84.7-90.6	75.1	84.2	3.18	-33.0	4.1	17.9	.19
GILCREEK-PIETOWN	24	89.6-91.0	7.0	20.9	2.61	------	------	------	------
GILCREEK-PINFLATS	2	90.1-90.1	65.8	41.5	2.51	------	------	------	------
GILCREEK-PLATTVIL	10	85.4-90.8	16.5	38.1	1.68	-2.6	8.2	37.8	1.87
GILCREEK-PRESIDIO	8	88.1-90.1	19.4	46.9	1.19	------	------	------	------
GILCREEK-PT REYES	10	88.1-90.0	13.9	41.1	1.03	------	------	------	------
GILCREEK-PVERDES	2	90.1-90.1	25.5	25.0	1.04	------	------	------	------
GILCREEK-QUINCY	4	89.8-90.8	14.2	30.9	.63	------	------	------	------
GILCREEK-RICHMOND	92	87.3-90.9	7.0	50.7	1.71	-14.2	7.2	49.6	1.66
GILCREEK-SANPAULA	2	90.1-90.1	.1	1.9	.00	------	------	------	------
GILCREEK-SEATTLE1	2	90.6-90.6	94.9	57.7	2.71	------	------	------	------
GILCREEK-SESHAN25	12	88.3-91.0	23.9	46.2	2.95	2.0	18.1	46.1	3.24
GILCREEK-SEST	2	90.4-90.4	41.5	33.4	1.55	------	------	------	------
GILCREEK-SHANGHAI	1	86.5-86.5	33.4	------	------	------	------	------	------
GILCREEK-SNDPOINT	13	84.5-90.5	10.3	35.9	.98	8.5	8.0	34.2	.97
GILCREEK-SOURDOGH	16	84.6-89.6	14.3	41.4	1.79	3.1	14.8	41.2	2.05
GILCREEK-VICTORIA	3	90.6-90.6	4.7	16.3	.17	------	------	------	------
GILCREEK-VNDNBERG	78	84.5-90.1	6.0	38.0	1.89	-2.7	2.6	37.8	1.89
GILCREEK-WESTFORD	131	84.7-91.0	5.8	38.2	3.02	-13.5	2.5	34.5	2.49
GILCREEK-WETTZELL	11	84.7-90.0	21.9	45.2	2.35	-13.7	7.2	38.2	1.86
GILCREEK-WHTHORSE	9	84.6-89.6	41.0	60.7	3.64	14.3	20.3	58.6	3.89
GILCREEK-YAKATAGA	16	84.6-90.4	20.9	52.8	2.35	-40.4	11.8	35.1	1.20
GILCREEK-YELLOWKN	2	84.7-85.7	8.2	15.6	.28	------	------	------	------
GOLDVENU-HAYSTACK	2	81.9-90.6	6.0	9.5	.39	------	------	------	------
GOLDVENU-HRAS 085	3	81.9-82.8	8.3	41.8	.08	------	------	------	------
GOLDVENU-KASHIM34	1	90.6-90.6	29.6	------	------	------	------	------	------
GOLDVENU-MEDICINA	1	90.6-90.6	29.6	------	------	------	------	------	------
GOLDVENU-MOJAVE12	5	83.7-88.5	7.4	12.0	1.51	3.7	2.7	9.5	1.25
GOLDVENU-MOJ 7288	1	87.8-87.8	6.0	------	------	------	------	------	------
GOLDVENU-NRAO 140	1	81.9-81.9	6.0	------	------	------	------	------	------
GOLDVENU-ONSALA60	4	81.9-90.6	9.7	26.2	.41	------	------	------	------
GOLDVENU-OVRO 130	6	81.9-87.8	8.6	24.0	.64	3.3	5.0	22.8	.72
GOLDVENU-OVR 7853	1	87.8-87.8	10.7	------	------	------	------	------	------
GOLDVENU-PRESIDIO	1	83.7-83.7	10.7	------	------	------	------	------	------
GOLDVENU-PT REYES	1	83.7-83.7	10.7	------	------	------	------	------	------
GOLDVENU-QUINCY	1	82.8-82.8	10.7	------	------	------	------	------	------
GOLDVENU-VNDNBERG	1	83.7-83.7	10.7	------	------	------	------	------	------
GOLDVENU-WESTFORD	4	81.9-88.5	13.8	33.7	.50	------	------	------	------
GORF7102-HRAS 085	1	89.4-89.4	19.5	------	------	------	------	------	------
GORF7102-MARPOINT	2	89.4-89.4	3.7	8.8	.17	------	------	------	------
GORF7102-MOJAVE12	2	89.8-89.8	1.5	6.6	.05	------	------	------	------
GORF7102-NRAO85 3	2	89.4-89.4	67.2	38.4	3.06	------	------	------	------

TABLE 6.4 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
GORF7102-RICHMOND	4	89.4-89.8	5.9	17.1	.36	------	------	------	------
GORF7102-WESTFORD	4	89.4-89.8	8.5	19.0	.60	------	------	------	------
GRASSE -MOJAVE12	1	89.7-89.7	11.0	------	------	------	------	------	------
GRASSE -NOTO	2	89.7-89.7	1.3	4.8	.07	------	------	------	------
GRASSE -RICHMOND	1	89.7-89.7	4.8	------	------	------	------	------	------
GRASSE -WESTFORD	1	89.7-89.7	4.8	------	------	------	------	------	------
GRASSE -WETTZELL	4	89.7-89.7	6.5	13.0	.74	------	------	------	------
HALEAKAL-KAUAI	3	88.5-88.5	37.6	36.7	2.11	------	------	------	------
HALEAKAL-MOJAVE12	3	88.5-88.5	35.8	43.5	1.36	------	------	------	------
HARTRAO -HOBART26	2	90.4-90.4	103.8	61.3	2.86	------	------	------	------
HARTRAO -HRAS 085	6	87.1-89.2	47.9	65.0	2.72	48.6	51.3	58.7	2.77
HARTRAO -KASHIM34	2	90.4-90.4	32.2	29.6	1.18	------	------	------	------
HARTRAO -KASHIMA	2	90.3-90.4	42.9	34.8	1.51	------	------	------	------
HARTRAO -KAUAI	2	90.4-90.4	43.2	34.0	1.62	------	------	------	------
HARTRAO -MEDICINA	4	88.0-90.4	57.0	62.7	2.48	------	------	------	------
HARTRAO -MOJAVE12	11	90.0-90.9	55.0	82.8	4.41	------	------	------	------
HARTRAO -ONSALA60	7	86.0-90.4	60.5	83.6	3.14	33.5	16.2	61.4	2.03
HARTRAO -RICHMOND	28	86.0-90.9	26.8	80.0	3.03	19.0	8.3	73.0	2.62
HARTRAO -SESHAN25	2	90.3-90.4	16.1	21.2	.58	------	------	------	------
HARTRAO -SEST	2	90.4-90.4	.0	.4	.00	------	------	------	------
HARTRAO -WESTFORD	36	86.0-90.9	32.1	94.9	3.99	33.1	8.8	79.7	2.90
HARTRAO -WETTZELL	29	86.0-90.9	25.1	71.9	3.41	19.0	7.7	65.0	2.89
HATCREEK-HAYSTACK	2	84.3-89.8	29.4	30.0	.96	------	------	------	------
HATCREEK-HRAS 085	62	83.4-89.4	9.7	49.7	2.30	-4.2	4.3	49.3	2.31
HATCREEK-JPL MV1	2	83.5-87.8	1.6	8.3	.04	------	------	------	------
HATCREEK-KASHIM34	1	90.8-90.8	8.3	------	------	------	------	------	------
HATCREEK-KASHIMA	16	84.2-90.1	33.9	64.1	4.20	31.8	7.0	40.6	1.80
HATCREEK-KAUAI	17	85.4-90.8	17.3	42.9	2.60	14.0	6.3	37.2	2.08
HATCREEK-KODIAK	2	87.5-87.5	32.6	30.3	1.15	------	------	------	------
HATCREEK-MAMMOTHL	1	83.5-83.5	30.3	------	------	------	------	------	------
HATCREEK-MOJAVE12	139	83.5-90.9	4.3	33.9	2.24	1.2	1.8	33.8	2.25
HATCREEK-MON PEAK	24	83.5-90.9	16.2	55.2	1.98	6.8	7.0	54.1	1.98
HATCREEK-OVRO 130	38	83.4-88.9	12.7	49.8	2.39	15.4	4.9	44.1	1.93
HATCREEK-PINFLATS	2	90.1-90.1	5.6	11.5	.23	------	------	------	------
HATCREEK-PLATTVIL	22	83.4-90.8	18.7	55.2	2.41	-6.4	6.4	53.8	2.41
HATCREEK-PRESIDIO	14	85.8-90.1	21.0	52.8	2.06	24.4	13.2	42.4	1.57
HATCREEK-PT REYES	16	84.2-90.0	26.1	62.8	2.59	-3.0	13.2	62.7	2.76
HATCREEK-PVERDES	4	89.1-90.1	14.1	27.0	.81	------	------	------	------
HATCREEK-QUINCY	17	83.5-90.8	17.5	47.4	2.18	7.1	7.1	45.9	2.18
HATCREEK-SANPAULA	4	89.1-90.1	42.1	48.1	2.30	------	------	------	------
HATCREEK-SNDPOINT	1	87.6-87.6	27.7	------	------	------	------	------	------
HATCREEK-VERNAL	8	86.2-90.8	9.1	29.2	.67	3.0	8.4	28.9	.77
HATCREEK-VNDNBERG	92	84.2-90.1	6.9	38.9	2.86	-4.7	3.2	38.4	2.83
HATCREEK-WESTFORD	32	83.4-90.9	8.2	36.0	1.59	-15.8	4.3	29.9	1.14
HATCREEK-YAKATAGA	3	87.6-87.6	6.3	19.3	.21	------	------	------	------
HATCREEK-YUMA	12	85.2-88.8	22.5	54.0	1.91	6.5	17.9	53.6	2.08
HAYSTACK-HRAS 085	36	80.3-89.5	16.9	82.6	1.47	10.6	6.4	79.4	1.40
HAYSTACK-KASHIM34	1	90.6-90.6	14.0	------	------	------	------	------	------

TABLE 6.4 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
HAYSTACK-KASHIMA	2	84.7-84.7	24.4	30.8	.63	———	———	———	———
HAYSTACK-KODIAK	1	89.5-89.5	30.8	———	———	———	———	———	———
HAYSTACK-MARPOINT	2	82.5-82.5	2.1	10.4	.04	———	———	———	———
HAYSTACK-MEDICINA	1	90.6-90.6	10.4	———	———	———	———	———	———
HAYSTACK-MOJAVE12	24	84.3-89.8	7.6	25.7	2.00	9.6	3.5	22.1	1.55
HAYSTACK-NRAO 140	5	79.6-81.9	53.4	78.0	1.88	-41.3	38.5	66.3	1.81
HAYSTACK-ONSALA60	40	80.6-90.6	11.3	69.0	1.05	3.1	4.0	68.4	1.06
HAYSTACK-OVRO 130	29	79.6-88.9	19.1	87.4	1.33	19.4	6.0	74.1	.99
HAYSTACK-PIETOWN	13	89.6-89.8	4.3	13.4	1.27	———	———	———	———
HAYSTACK-PLATTVIL	1	84.3-84.3	3.9	———	———	———	———	———	———
HAYSTACK-PRESIDIO	1	89.8-89.8	3.9	———	———	———	———	———	———
HAYSTACK-ROBLED32	1	83.3-83.3	3.9	———	———	———	———	———	———
HAYSTACK-VNDNBERG	1	89.8-89.8	3.9	———	———	———	———	———	———
HAYSTACK-WESTFORD	26	81.4-89.8	1.1	5.7	.96	-.3	.7	5.7	1.00
HAYSTACK-WETTZELL	6	84.7-86.7	22.9	42.0	1.48	39.9	19.5	29.4	.90
HAYSTACK-YAKATAGA	1	89.6-89.6	18.8	———	———	———	———	———	———
HOBART26-KASHIM34	10	90.2-91.0	14.3	36.2	1.41	———	———	———	———
HOBART26-KASHIMA	9	89.7-90.5	23.6	41.8	2.55	———	———	———	———
HOBART26-KAUAI	8	89.7-90.7	10.1	28.6	.87	———	———	———	———
HOBART26-MOJAVE12	11	90.0-91.0	34.3	57.5	3.56	———	———	———	———
HOBART26-NOBEY 6M	3	90.2-90.9	42.3	43.5	1.89	———	———	———	———
HOBART26-ONSALA60	2	90.4-90.4	3.6	9.4	.15	———	———	———	———
HOBART26-SESHAN25	4	90.0-90.7	19.0	27.7	1.41	———	———	———	———
HOBART26-SEST	2	90.4-90.4	18.0	23.8	.57	———	———	———	———
HOBART26-WESTFORD	2	90.4-90.4	6.4	12.8	.25	———	———	———	———
HOHENFRG-MOJAVE12	2	89.5-89.5	.4	3.2	.02	———	———	———	———
HOHENFRG-NOTO	5	89.5-89.5	7.1	17.3	.67	———	———	———	———
HOHENFRG-RICHMOND	2	89.5-89.5	1.2	5.4	.05	———	———	———	———
HOHENFRG-WESTFORD	2	89.5-89.5	1.7	6.1	.08	———	———	———	———
HOHENFRG-WETTZELL	5	89.5-89.5	10.4	18.3	1.30	———	———	———	———
HRAS 085-JPL MV1	3	82.8-87.8	63.1	74.1	1.45	———	———	———	———
HRAS 085-KASHIMA	26	87.3-89.5	12.7	61.9	1.05	16.9	18.4	60.9	1.06
HRAS 085-KODIAK	1	89.5-89.5	12.4	———	———	———	———	———	———
HRAS 085-LEONRDOK	1	87.6-87.6	12.4	———	———	———	———	———	———
HRAS 085-MAMMOTHL	1	83.5-83.5	12.4	———	———	———	———	———	———
HRAS 085-MARPOINT	3	82.8-89.4	3.1	11.5	.14	———	———	———	———
HRAS 085-MCD 7850	1	88.8-88.8	8.2	———	———	———	———	———	———
HRAS 085-MEDICINA	12	87.3-89.1	3.2	19.7	.29	———	———	———	———
HRAS 085-MILESMON	1	88.3-88.3	5.9	———	———	———	———	———	———
HRAS 085-MOJAVE12	134	83.5-90.8	3.0	27.7	1.58	7.4	1.4	25.1	1.31
HRAS 085-MON PEAK	33	82.8-89.4	8.8	47.1	1.12	6.4	5.8	46.2	1.11
HRAS 085-NRAO85 3	1	89.4-89.4	8.3	———	———	———	———	———	———
HRAS 085-NRAO 140	6	80.3-88.8	11.1	31.0	.64	-8.7	4.0	21.0	.37
HRAS 085-ONSALA60	108	80.6-89.4	2.8	39.4	.54	-6.0	2.5	38.3	.52
HRAS 085-OVRO 130	73	80.3-88.8	6.3	47.1	1.31	-2.5	3.4	46.9	1.32
HRAS 085-PENTICTN	3	84.7-85.7	83.2	85.1	1.91	———	———	———	———
HRAS 085-PIETOWN	3	88.7-88.8	2.9	5.6	.52	———	———	———	———
HRAS 085-PINFLATS	5	85.8-87.0	24.7	44.9	1.21	———	———	———	———

TABLE 6.4 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
HRAS 085-PLATTVIL	20	83.4-89.3	18.6	53.4	2.30	-10.6	7.6	50.8	2.20
HRAS 085-PRESIDIO	4	85.2-87.1	25.7	43.1	1.07	———	———	———	———
HRAS 085-PT REYES	2	85.2-85.8	60.9	49.1	1.54	———	———	———	———
HRAS 085-QUINCY	14	82.8-89.3	34.5	75.0	2.75	-11.1	15.2	73.4	2.85
HRAS 085-RICHMOND	349	84.0-90.8	2.0	35.8	1.05	-5.8	1.1	34.5	.98
HRAS 085-ROBLED32	1	83.3-83.3	1.9	———	———	———	———	———	———
HRAS 085-VERNAL	6	86.2-89.3	41.1	53.8	2.91	-7.1	24.9	53.3	3.57
HRAS 085-VNDNBERG	44	83.9-89.4	13.7	54.8	2.68	14.4	6.1	51.5	2.42
HRAS 085-WESTFORD	597	81.4-90.8	1.8	37.9	1.36	-10.7	.8	33.1	1.04
HRAS 085-WETTZELL	415	83.9-90.8	.9	28.5	.45	-1.9	.8	28.3	.44
HRAS 085-YELLOWKN	2	84.7-85.7	58.3	46.7	1.55	———	———	———	———
HRAS 085-YUMA	18	83.8-88.8	10.3	39.7	1.13	-1.6	9.9	39.7	1.20
JPL MV1 -MAMMOTHL	4	83.5-86.8	77.2	86.8	2.37	———	———	———	———
JPL MV1 -MOJAVE12	21	83.5-88.9	12.1	48.6	1.23	6.3	7.1	47.6	1.24
JPL MV1 -MON PEAK	1	82.8-82.8	10.9	———	———	———	———	———	———
JPL MV1 -OVRO 130	19	82.8-88.9	20.0	68.0	1.55	10.8	8.6	65.0	1.50
JPL MV1 -PBLOSSOM	7	83.1-88.0	34.1	76.9	1.18	12.5	21.3	74.4	1.32
JPL MV1 -PINFLATS	6	83.8-87.0	48.9	73.7	2.20	-4.7	46.7	73.6	2.74
JPL MV1 -PRESIDIO	2	88.8-88.9	152.9	67.2	5.18	———	———	———	———
JPL MV1 -QUINCY	1	82.8-82.8	67.2	———	———	———	———	———	———
JPL MV1 -VNDNBERG	18	83.6-88.9	44.1	92.1	3.90	2.8	19.2	92.0	4.13
KASHIM34-KASHIMA	5	90.2-90.5	5.1	11.3	.80	———	———	———	———
KASHIM34-KAUAI	6	90.2-90.8	28.4	35.4	3.22	———	———	———	———
KASHIM34-MARCUS	1	90.5-90.5	15.8	———	———	———	———	———	———
KASHIM34-MEDICINA	1	90.6-90.6	15.8	———	———	———	———	———	———
KASHIM34-MOJAVE12	7	90.2-91.0	60.7	62.0	5.75	———	———	———	———
KASHIM34-NOBEY 6M	4	90.2-90.9	98.5	73.5	5.39	———	———	———	———
KASHIM34-ONSALA60	3	90.4-90.6	5.7	13.0	.39	———	———	———	———
KASHIM34-SESHAN25	3	90.2-90.7	12.0	14.2	1.44	———	———	———	———
KASHIM34-SEST	2	90.4-90.4	20.4	21.8	.87	———	———	———	———
KASHIM34-WESTFORD	2	90.4-90.4	10.2	14.8	.47	———	———	———	———
KASHIMA -KAUAI	64	84.6-90.5	26.6	73.7	8.23	-41.2	3.0	36.6	2.06
KASHIMA -KWAJAL26	16	84.6-88.6	11.3	38.5	1.28	-14.9	6.6	33.0	1.01
KASHIMA -MARCUS	1	90.5-90.5	9.9	———	———	———	———	———	———
KASHIMA -MEDICINA	1	90.4-90.4	9.9	———	———	———	———	———	———
KASHIMA -MIYAZAKI	3	86.8-88.8	.7	7.3	.02	———	———	———	———
KASHIMA -MOJAVE12	54	84.1-90.3	16.2	61.6	3.67	-22.7	3.5	45.6	2.05
KASHIMA -NOBEY 6M	3	89.9-90.2	3.6	12.3	.17	———	———	———	———
KASHIMA -ONSALA60	6	85.5-88.9	11.8	29.2	.81	-11.0	10.9	26.1	.81
KASHIMA -RICHMOND	28	87.3-90.1	21.3	81.3	1.85	-47.2	13.3	66.8	1.30
KASHIMA -SESHAN25	14	88.3-90.5	11.8	28.5	2.23	6.8	11.0	28.1	2.34
KASHIMA -SHANGHAI	1	86.5-86.5	7.9	———	———	———	———	———	———
KASHIMA -TITIJIMA	3	87.9-89.9	49.5	75.8	.85	———	———	———	———
KASHIMA -TSUKUBA	7	84.6-89.7	41.8	61.1	2.80	22.7	17.1	52.5	2.49
KASHIMA -VNDNBERG	27	85.4-90.1	33.4	73.4	5.38	-40.7	5.9	43.2	1.94
KASHIMA -WESTFORD	8	85.5-90.0	70.7	79.0	5.60	-42.1	10.1	39.9	1.67
KASHIMA -WETTZELL	12	84.7-90.4	60.6	80.2	6.29	-37.4	5.2	32.4	1.13
KASHIMA -WHTHORSE	1	89.6-89.6	24.2	———	———	———	———	———	———

TABLE 6.4 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
KAUAI -KWAJAL26	20	84.5-88.6	30.0	71.7	3.33	37.1	8.2	48.9	1.64
KAUAI -MARPOINT	6	88.4-89.4	146.6	149.5	4.81	———	———	———	———
KAUAI -MATERA	3	90.8-90.9	40.6	46.8	1.51	———	———	———	———
KAUAI -MOJAVE12	44	84.5-90.7	13.9	50.9	3.23	-19.5	3.8	40.0	2.04
KAUAI -NOTO	2	89.5-89.7	13.9	20.0	.48	———	———	———	———
KAUAI -NRA085 3	67	89.1-91.0	8.5	48.0	2.05	———	———	———	———
KAUAI -ONSALA60	2	90.4-90.4	.0	.7	.00	———	———	———	———
KAUAI -RICHMOND	52	88.4-90.9	9.5	51.0	1.76	-38.2	15.9	48.3	1.61
KAUAI -SESHAN25	13	88.3-91.0	31.2	52.8	4.21	38.6	16.2	42.8	3.03
KAUAI -SEST	2	90.4-90.4	7.4	14.2	.27	———	———	———	———
KAUAI -SHANGHAI	1	86.5-86.5	14.2	———	———	———	———	———	———
KAUAI -VNDNBERG	32	84.5-90.1	15.3	48.6	3.07	-23.9	3.7	31.6	1.34
KAUAI -WESTFORD	5	90.4-90.7	10.5	24.9	.71	———	———	———	———
KAUAI -WHTHORSE	1	89.6-89.6	12.4	———	———	———	———	———	———
KODIAK -MOJAVE12	10	87.5-90.5	6.5	26.5	.54	5.6	8.3	25.7	.57
KODIAK -NOME	4	84.6-86.6	17.8	47.1	.43	———	———	———	———
KODIAK -VNDNBERG	4	84.6-86.6	22.8	50.8	.61	———	———	———	———
KODIAK -WESTFORD	8	88.5-90.5	12.3	35.5	.84	———	———	———	———
KWAJAL26-MOJAVE12	17	84.5-88.6	43.1	90.3	3.65	-45.6	13.5	67.9	2.20
KWAJAL26-SESHAN25	3	88.5-88.6	17.6	28.2	.78	———	———	———	———
KWAJAL26-VNDNBERG	12	84.5-88.6	37.6	75.0	2.77	-45.6	20.3	61.1	2.03
LEONRDOK-RICHMOND	1	87.6-87.6	22.6	———	———	———	———	———	———
LEONRDOK-WESTFORD	1	87.6-87.6	22.6	———	———	———	———	———	———
MAMMOTHL-MOJAVE12	4	83.5-86.8	52.7	60.5	2.28	———	———	———	———
MAMMOTHL-OVRO 130	4	83.5-86.8	20.8	40.3	.80	———	———	———	———
MAMMOTHL-VNDNBERG	2	84.8-86.8	207.7	77.7	7.15	———	———	———	———
MARCUS -SESHAN25	1	90.5-90.5	77.7	———	———	———	———	———	———
MARPOINT-MEDICINA	1	89.0-89.0	77.7	———	———	———	———	———	———
MARPOINT-NOTO	1	89.5-89.5	77.7	———	———	———	———	———	———
MARPOINT-NRA085 3	11	89.1-89.6	30.3	47.1	4.14	———	———	———	———
MARPOINT-ONSALA60	4	82.5-83.7	80.0	276.6	.25	———	———	———	———
MARPOINT-OVRO 130	3	82.5-82.8	10.4	65.1	.05	———	———	———	———
MARPOINT-RICHMOND	22	87.6-89.6	15.5	50.1	2.02	28.8	15.3	46.2	1.80
MARPOINT-WESTFORD	9	82.5-89.4	37.9	55.3	3.76	-7.8	11.7	53.7	4.04
MATERA -MEDICINA	2	90.7-91.0	200.3	35.0	32.75	———	———	———	———
MATERA -NOTO	2	90.7-91.0	430.2	52.0	68.47	———	———	———	———
MATERA -NRA085 3	2	90.8-90.9	166.2	70.7	5.52	———	———	———	———
MATERA -ONSALA60	2	90.7-91.0	156.2	37.3	17.50	———	———	———	———
MATERA -WETTZELL	2	90.7-91.0	224.0	38.8	33.36	———	———	———	———
MCD 7850-MOJAVE12	1	88.8-88.8	38.8	———	———	———	———	———	———
MCD 7850-PIETOWN	1	88.8-88.8	38.8	———	———	———	———	———	———
MCD 7850-WESTFORD	1	88.8-88.8	38.8	———	———	———	———	———	———
MEDICINA-NOTO	3	90.1-91.0	49.2	21.4	10.52	———	———	———	———
MEDICINA-ONSALA60	11	87.3-91.0	12.5	20.6	3.69	1.1	7.2	20.6	4.09
MEDICINA-RICHMOND	14	87.3-89.0	7.9	32.3	.77	———	———	———	———
MEDICINA-SESHAN25	1	90.4-90.4	9.0	———	———	———	———	———	———
MEDICINA-WESTFORD	19	87.3-89.1	10.4	35.4	1.56	———	———	———	———
MEDICINA-WETTZELL	19	87.3-91.0	8.6	20.0	3.30	7.0	4.6	18.8	3.08

TABLE 6.4 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
METSHOVI-MOJAVE12	2	89.5-89.5	40.2	36.2	1.24	———	———	———	———
METSHOVI-ONSALA60	5	89.5-89.5	23.5	37.9	1.54	———	———	———	———
METSHOVI-RICHMOND	2	89.5-89.5	21.0	27.0	.61	———	———	———	———
METSHOVI-WESTFORD	2	89.5-89.5	60.0	44.9	1.79	———	———	———	———
METSHOVI-WETTZELL	5	89.5-89.5	74.1	68.6	4.67	———	———	———	———
MILESMON-MOJAVE12	1	88.3-88.3	34.3	———	———	———	———	———	———
MILESMON-WESTFORD	1	88.3-88.3	34.3	———	———	———	———	———	———
MOJAVE12-MON PEAK	36	83.5-90.9	9.3	44.1	1.57	-1.1	4.8	44.0	1.62
MOJAVE12-NOBEY 6M	6	89.9-90.9	36.4	55.7	2.14	———	———	———	———
MOJAVE12-NOME	3	90.5-90.5	4.7	15.3	.19	———	———	———	———
MOJAVE12-NOTO	6	89.5-91.0	.8	7.2	.07	———	———	———	———
MOJAVE12-NRAO85 3	6	89.5-90.7	10.7	24.5	.96	———	———	———	———
MOJAVE12-NRAO 140	2	88.8-90.7	.4	2.4	.02	———	———	———	———
MOJAVE12-OCOTILLO	3	84.2-85.2	112.6	90.5	3.10	———	———	———	———
MOJAVE12-ONSALA60	39	83.8-91.0	5.8	30.9	1.36	-11.5	2.7	25.3	.94
MOJAVE12-OVRO 130	80	83.5-88.9	3.1	27.1	1.01	2.2	2.1	26.9	1.00
MOJAVE12-OVR 7853	1	87.8-87.8	3.0	———	———	———	———	———	———
MOJAVE12-PBLOSSOM	9	83.6-88.1	18.8	45.8	1.35	17.0	9.6	38.0	1.06
MOJAVE12-PENTICTN	3	90.6-90.6	5.9	18.8	.20	———	———	———	———
MOJAVE12-PIETOWN	27	88.7-91.0	4.6	12.4	3.61	8.7	5.4	11.8	3.41
MOJAVE12-PINFLATS	21	83.8-90.1	11.0	42.4	1.33	1.7	6.9	42.4	1.40
MOJAVE12-PLATTVIL	21	84.3-90.8	11.5	41.3	1.53	-11.0	4.4	35.9	1.22
MOJAVE12-PRESIDIO	20	83.7-90.1	11.1	41.4	1.38	.1	8.4	37.7	1.28
MOJAVE12-PT REYES	18	83.7-90.0	2.7	20.0	.32	3.4	3.9	19.6	.32
MOJAVE12-PVERDES	9	83.9-90.1	6.1	25.4	.46	7.6	6.1	23.0	.43
MOJAVE12-QUINCY	20	83.5-90.8	11.9	40.0	1.69	-3.7	6.2	39.6	1.75
MOJAVE12-RICHMOND	124	84.0-91.0	3.3	26.8	1.91	-17.2	4.9	25.5	1.75
MOJAVE12-SANPAULA	10	83.7-90.1	11.3	38.3	.79	-6.3	8.3	37.0	.82
MOJAVE12-SEATTLE1	3	86.7-90.6	85.1	69.5	2.99	———	———	———	———
MOJAVE12-SEST	1	90.3-90.3	49.2	———	———	———	———	———	———
MOJAVE12-SNDPOINT	10	87.6-90.5	18.7	46.6	1.44	53.6	9.3	20.6	.32
MOJAVE12-SOURDOGH	8	87.6-89.6	24.7	47.4	1.90	———	———	———	———
MOJAVE12-TROMSONO	1	89.6-89.6	17.9	———	———	———	———	———	———
MOJAVE12-VERNAL	8	86.2-90.8	27.7	47.4	2.39	-12.4	13.6	44.4	2.45
MOJAVE12-VICTORIA	3	90.6-90.6	5.2	17.3	.18	———	———	———	———
MOJAVE12-VNDNBERG	161	83.6-90.1	3.9	32.5	2.29	-1.7	1.7	32.4	2.29
MOJAVE12-WESTFORD	304	83.5-91.0	2.7	30.5	2.38	-15.1	1.3	25.4	1.66
MOJAVE12-WETTZELL	144	84.7-91.0	1.5	21.4	.72	-10.6	1.7	19.0	.57
MOJAVE12-WHTHORSE	5	88.6-89.6	78.2	67.9	5.30	———	———	———	———
MOJAVE12-YAKATAGA	10	87.6-90.4	15.7	43.1	1.19	-23.4	22.7	38.3	1.21
MOJAVE12-YUMA	21	83.8-88.8	11.1	40.3	1.53	-6.8	8.7	39.6	1.56
MOJ 7288-MOJAVE12	1	87.8-87.8	9.0	———	———	———	———	———	———
MOJ 7288-OVRO 130	1	87.8-87.8	9.0	———	———	———	———	———	———
MOJ 7288-OVR 7853	1	87.8-87.8	9.0	———	———	———	———	———	———
MON PEAK-OVRO 130	20	82.8-88.8	9.9	44.1	.96	5.7	6.7	43.3	.97
MON PEAK-QUINCY	13	83.5-88.8	21.3	57.6	1.65	-.2	12.0	57.6	1.80
MON PEAK-VNDNBERG	26	83.9-89.4	12.5	46.8	1.78	7.4	7.0	45.8	1.77
MON PEAK-WESTFORD	2	90.9-90.9	1.8	8.1	.05	———	———	———	———

TABLE 6.4 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
MON PEAK-YUMA	8	83.8-87.9	29.2	56.2	1.90	-35.4	22.3	47.2	1.56
NOME -SNDPOINT	3	84.5-86.6	53.5	64.2	1.39	———	———	———	———
NOME -VNDNBERG	7	84.5-86.6	11.7	41.2	.49	-41.9	24.8	32.9	.37
NOME -WESTFORD	3	90.5-90.5	.1	2.7	.01	———	———	———	———
NOTO -NRAO85 3	3	89.5-89.7	8.3	18.2	.41	———	———	———	———
NOTO -ONSALA60	6	89.4-91.0	11.2	17.2	2.12	———	———	———	———
NOTO -RICHMOND	5	89.5-91.0	16.2	28.5	1.28	———	———	———	———
NOTO -WESTFORD	6	89.4-91.0	8.9	21.4	.87	———	———	———	———
NOTO -WETTZELL	16	89.4-91.0	7.7	19.7	2.32	———	———	———	———
NRAO85 3-RICHMOND	57	89.3-90.9	6.2	31.5	2.19	———	———	———	———
NRAO85 3-WESTFORD	5	89.4-90.7	34.8	33.3	4.37	———	———	———	———
NRAO 140-ONSALA60	4	81.9-83.0	7.1	88.0	.02	———	———	———	———
NRAO 140-OVRO 130	8	79.6-88.8	11.6	43.2	.50	16.0	8.8	34.8	.38
NRAO 140-WESTFORD	6	81.9-90.7	6.6	16.8	.76	-6.2	1.9	8.8	.26
OCOTILLO-OVRO 130	1	85.2-85.2	7.5	———	———	———	———	———	———
OCOTILLO-PVERDES	1	85.2-85.2	7.5	———	———	———	———	———	———
OCOTILLO-VNDNBERG	3	84.2-85.2	149.3	107.7	3.84	———	———	———	———
ONSALA60-OVRO 130	33	80.6-87.8	10.6	69.7	.74	39.7	8.2	52.7	.44
ONSALA60-RICHMOND	61	84.1-91.0	3.8	30.1	.93	.0	2.5	30.1	.95
ONSALA60-ROBLED32	1	83.3-83.3	3.9	———	———	———	———	———	———
ONSALA60-SEST	3	90.3-90.4	20.3	29.6	.94	———	———	———	———
ONSALA60-TROMSONO	4	89.6-89.6	24.5	32.8	1.67	———	———	———	———
ONSALA60-WESTFORD	147	81.4-91.0	3.5	35.6	1.42	-1.7	1.6	35.4	1.42
ONSALA60-WETTZELL	125	83.9-91.0	3.1	22.9	2.32	.7	1.2	22.8	2.33
OVRO 130-PBLOSSOM	7	83.1-87.8	12.1	40.1	.55	10.3	11.3	37.1	.57
OVRO 130-PINFLATS	7	83.8-86.8	7.1	29.2	.35	8.5	16.1	28.4	.40
OVRO 130-PLATTVIL	9	83.4-88.3	43.1	65.8	3.44	-32.7	15.9	52.0	2.45
OVRO 130-PRESIDIO	8	83.7-88.9	19.7	44.6	1.37	5.6	10.5	43.5	1.52
OVRO 130-PT REYES	6	83.7-88.9	19.0	43.1	.97	11.3	10.9	38.3	.96
OVRO 130-PVERDES	2	83.9-85.2	1.6	9.4	.03	———	———	———	———
OVRO 130-QUINCY	14	82.8-88.8	24.3	56.0	2.45	-9.5	9.4	53.8	2.44
OVRO 130-SANPAULA	1	83.7-83.7	15.5	———	———	———	———	———	———
OVRO 130-VNDNBERG	46	83.6-88.9	12.6	56.8	2.20	-4.9	5.7	56.3	2.22
OVRO 130-WESTFORD	29	81.5-88.8	14.5	54.0	2.02	-28.9	7.4	43.2	1.34
OVRO 130-WETTZELL	7	85.2-87.8	42.6	63.3	2.71	-54.2	20.5	40.9	1.36
OVRO 130-YUMA	7	83.8-87.8	40.5	64.8	2.35	-41.2	37.9	58.2	2.28
OVR 7853-OVRO 130	1	87.8-87.8	26.4	———	———	———	———	———	———
PBLOSSOM-SANPAULA	1	88.1-88.1	26.4	———	———	———	———	———	———
PBLOSSOM-VNDNBERG	9	83.6-88.1	11.0	37.7	.68	-.4	10.2	37.7	.78
PENTICTN-WESTFORD	3	90.6-90.6	23.9	37.5	.82	———	———	———	———
PENTICTN-YELLOWKN	2	84.7-85.7	.3	3.8	.01	———	———	———	———
PIETOWN -WESTFORD	27	88.7-91.0	6.2	19.9	2.56	-7.6	7.7	19.5	2.56
PINFLATS-PVERDES	3	87.2-88.1	25.5	37.5	.93	———	———	———	———
PINFLATS-VNDNBERG	20	83.8-90.1	23.5	65.0	2.47	-10.9	10.3	63.1	2.45
PINFLATS-YUMA	6	83.8-87.0	12.3	37.9	.53	-1.5	27.6	37.9	.66
PLATTVIL-VERNAL	1	86.2-86.2	17.0	———	———	———	———	———	———
PLATTVIL-WESTFORD	11	83.4-90.8	25.1	49.9	2.53	-8.9	9.9	47.8	2.57
PRESIDIO-PT REYES	3	83.7-85.8	81.7	76.5	2.28	———	———	———	———

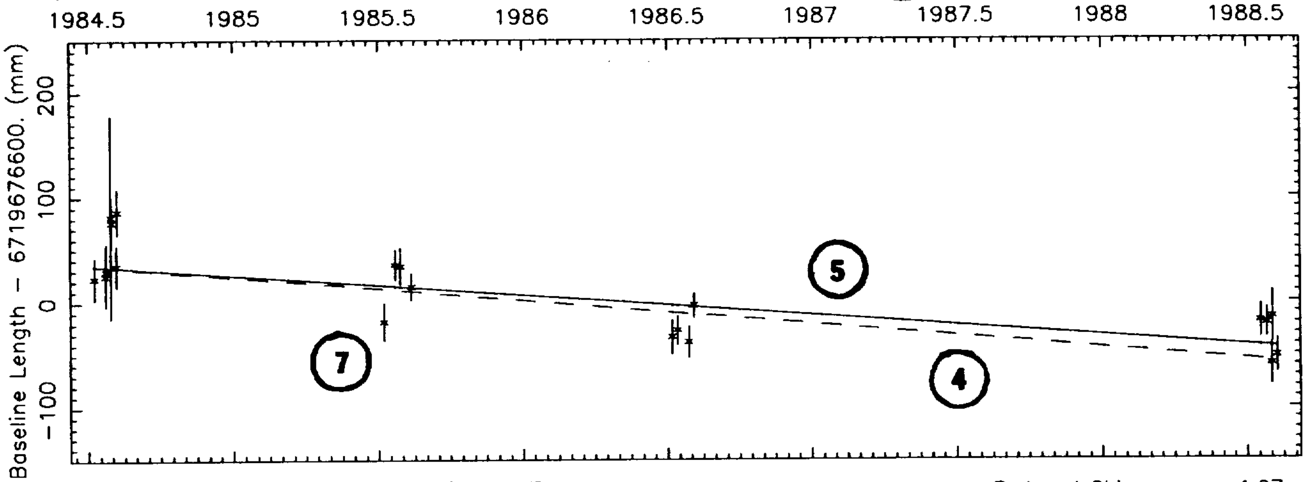
TABLE 6.4 (continued)

Baseline	Num Obs	Span yr to yr	Error mm	WRMS mm	Chi sqr	Rate mm/yr	Error mm/yr	WRMS mm	Chi Sqr
PRESIDIO-VNDNBERG	20	83.7-90.1	18.7	55.8	2.13	2.3	9.5	42.8	1.40
PRESIDIO-WESTFORD	4	89.8-89.9	101.9	87.8	4.05	—	—	—	—
PRESIDIO-YUMA	1	87.1-87.1	50.7	—	—	—	—	—	—
PT REYES-VNDNBERG	18	83.7-90.0	10.1	39.4	1.12	-18.0	6.4	32.2	.80
PT REYES-WESTFORD	4	89.9-89.9	13.3	31.2	.54	—	—	—	—
PT REYES-YUMA	1	87.8-87.8	18.0	—	—	—	—	—	—
PVERDES -VNDNBERG	9	83.9-90.1	21.9	49.6	1.56	-16.2	12.1	44.2	1.42
QUINCY -VNDNBERG	13	84.3-89.8	13.2	37.9	1.44	10.3	9.8	36.2	1.43
QUINCY -WESTFORD	2	89.8-89.8	33.3	33.1	1.01	—	—	—	—
RICHMOND-TROMSONO	1	89.6-89.6	33.1	—	—	—	—	—	—
RICHMOND-WESTFORD	462	84.0-91.0	1.4	25.5	1.37	-1.4	.7	25.4	1.36
RICHMOND-WETTZELL	439	84.1-91.0	1.3	30.4	.85	8.3	.7	26.8	.67
ROBLED32-WESTFORD	1	83.3-83.3	1.5	—	—	—	—	—	—
SANPAULA-VNDNBERG	10	83.7-90.1	14.7	44.7	.97	7.2	10.3	43.4	1.03
SEATTLE1-WESTFORD	3	86.7-90.6	187.4	112.1	5.59	—	—	—	—
SESHAN25-WETTZELL	2	90.3-90.4	.0	.4	.00	—	—	—	—
SEST -WESTFORD	3	90.3-90.4	86.2	61.7	3.90	—	—	—	—
SNDPOINT-VNDNBERG	3	84.5-86.6	111.3	90.2	3.04	—	—	—	—
SNDPOINT-WESTFORD	8	88.5-90.5	72.6	86.7	4.92	—	—	—	—
SOURDOGH-VNDNBERG	8	84.6-86.6	15.8	46.0	.83	23.9	27.5	43.4	.86
SOURDOGH-WESTFORD	6	88.6-89.6	37.2	54.8	2.31	—	—	—	—
SOURDOGH-WHTHORSE	3	84.6-86.6	13.0	29.9	.38	—	—	—	—
SOURDOGH-YAKATAGA	4	84.6-86.6	27.9	47.6	1.03	—	—	—	—
TROMSONO-WESTFORD	1	89.6-89.6	27.5	—	—	—	—	—	—
TROMSONO-WETTZELL	4	89.6-89.6	16.1	27.6	1.02	—	—	—	—
VERNAL -VNDNBERG	1	88.8-88.8	15.9	—	—	—	—	—	—
VERNAL -WESTFORD	4	89.3-90.8	20.4	35.4	1.00	—	—	—	—
VERNAL -YUMA	1	88.8-88.8	20.5	—	—	—	—	—	—
VICTORIA-WESTFORD	3	90.6-90.6	15.1	29.5	.52	—	—	—	—
VNDNBERG-WESTFORD	10	89.8-89.9	18.9	40.1	2.00	—	—	—	—
VNDNBERG-WHTHORSE	3	84.6-86.6	25.9	41.0	.80	—	—	—	—
VNDNBERG-YAKATAGA	4	84.6-86.6	41.0	61.1	1.35	—	—	—	—
VNDNBERG-YUMA	19	83.8-88.8	27.7	64.2	3.36	-9.7	14.7	63.4	3.47
WESTFORD-WETTZELL	567	83.9-91.0	1.2	27.9	1.00	5.3	.7	26.5	.90
WESTFORD-WHTHORSE	4	88.6-89.6	154.6	91.6	8.53	—	—	—	—
WESTFORD-YAKATAGA	7	88.6-90.4	25.2	50.9	1.48	—	—	—	—

(2) Vector baseline plots for GILCREEK–KWAJAL26

(1) Baseline length = 6720 kilometers

(3) Number of sessions = 20



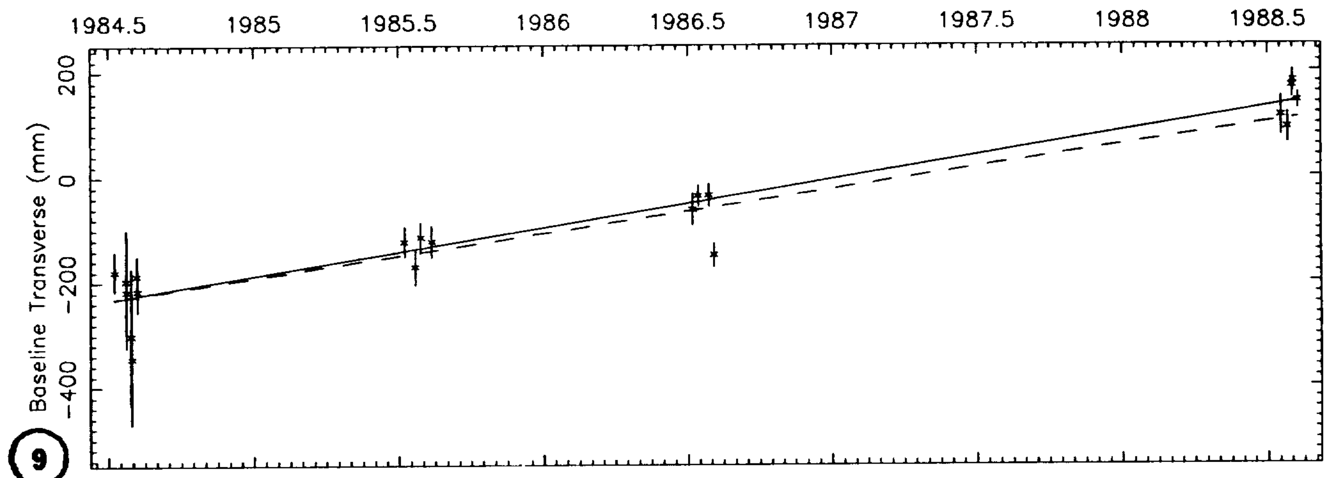
Observed Rate = −19.1 ± 3.8 mm/yr

(8) NUVEL model rate = −22.4 mm/yr

(6) Wrms of fit = 22.8 mm

Weighted mean length = 6719676597.2 mm

Reduced Chi square = 1.97

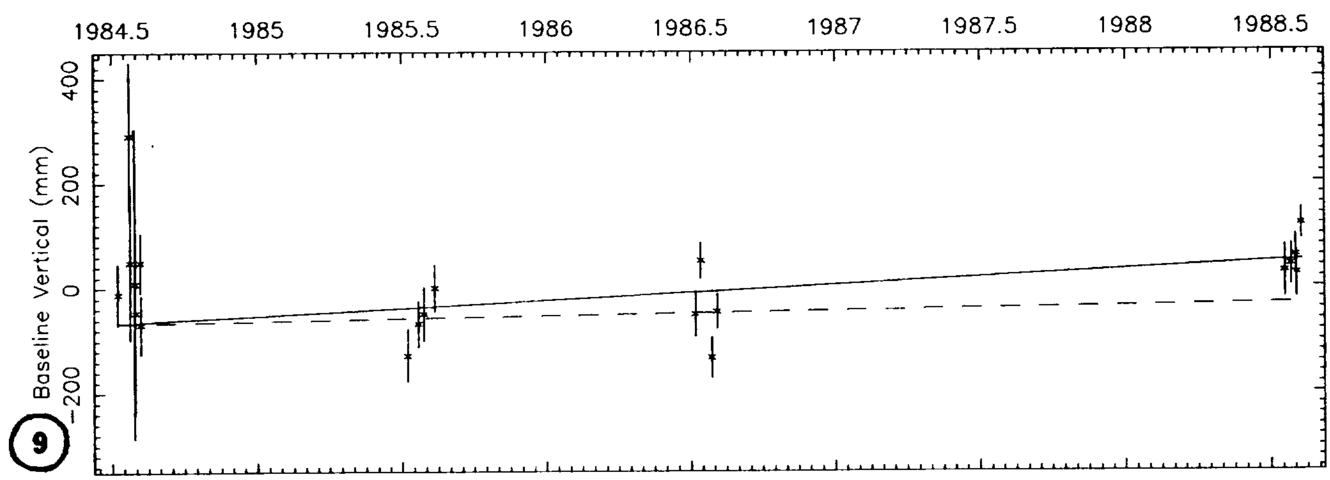


Observed Rate = 91.6 ± 6.3 mm/yr

NUVEL model rate = 83.9 mm/yr

Wrms of fit = 38.5 mm

Reduced Chi square = 1.99



Observed Rate = 28.6 ± 10.6 mm/yr

NUVEL model rate = 8.9 mm/yr

Wrms of fit = 64.3 mm

Reduced Chi square = 2.07

(10)

7.0 Baseline Evolution from GLB754

Plots 7.2 through 7.169 present the observed variation of the baseline components over the period of the observations for those baselines with at least five observations spanning a minimum of two years. The transverse and vertical components are shown as offsets from their mean values. See the text for the definition and interpretation of the transverse and vertical components. An example plot appears on the facing page. The notes below are provided to clarify the interpretation of the plots.

1 -- Baseline length in kilometers
2 -- Baseline name
3 -- Number of sessions including observations on this baseline
4 -- Dashed line indicates slope predicted by NUVEL plate motion model assuming sites occupy plates indicated in Table 1.2.
5 -- Line of best fit by least squares
6 -- Baseline component statistics
7 -- Observed value in millimeters with one sigma formal error bar
8 -- Baseline length with arbitrary offset subtracted, standard scales span 200, 400, 800 or 1200 mm
9 -- Baseline component with mean subtracted (transverse and vertical), standard scales span 200, 400, 800 or 1200 mm
10 -- Plot number (same as page number)

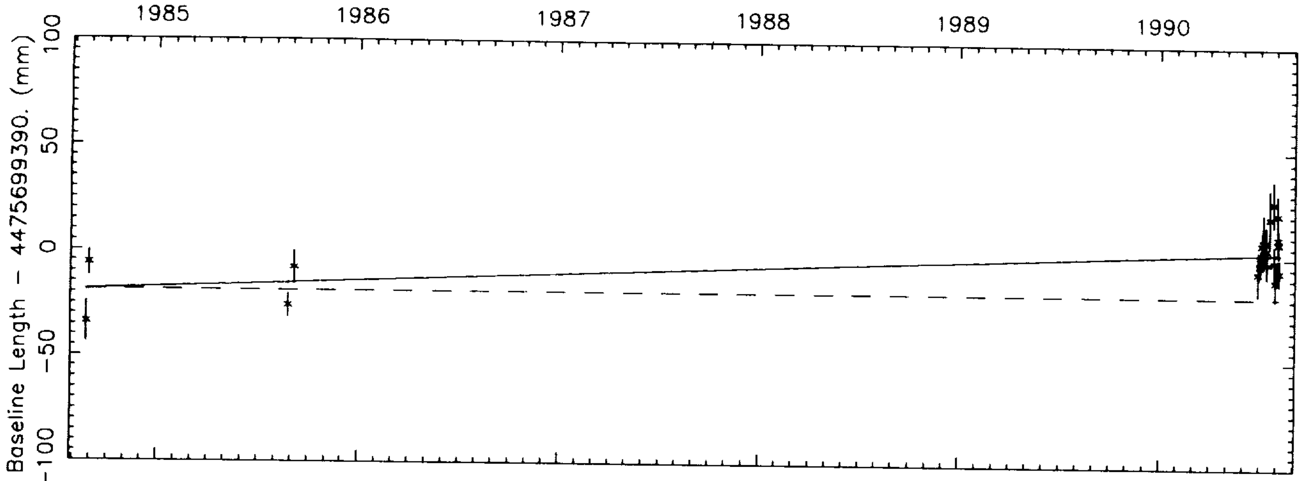
Tables 7.177 through 7.513 present the length, transverse, and vertical baseline evolution information with their residual from the mean value and respective one-sigma standard statistical errors for those baselines which were observed in fewer than five sessions or over a time span of less than two years. Unlike tables 6.3 and 6.4 the transverse and vertical components are included so that the user may make comparisons between sessions.

The machine-readable version contains all the data plotted and tabulated in section 7.

Vector baseline plots for ALGOPARK-GILCREEK

Baseline length = 4476 kilometers

Number of sessions = 21



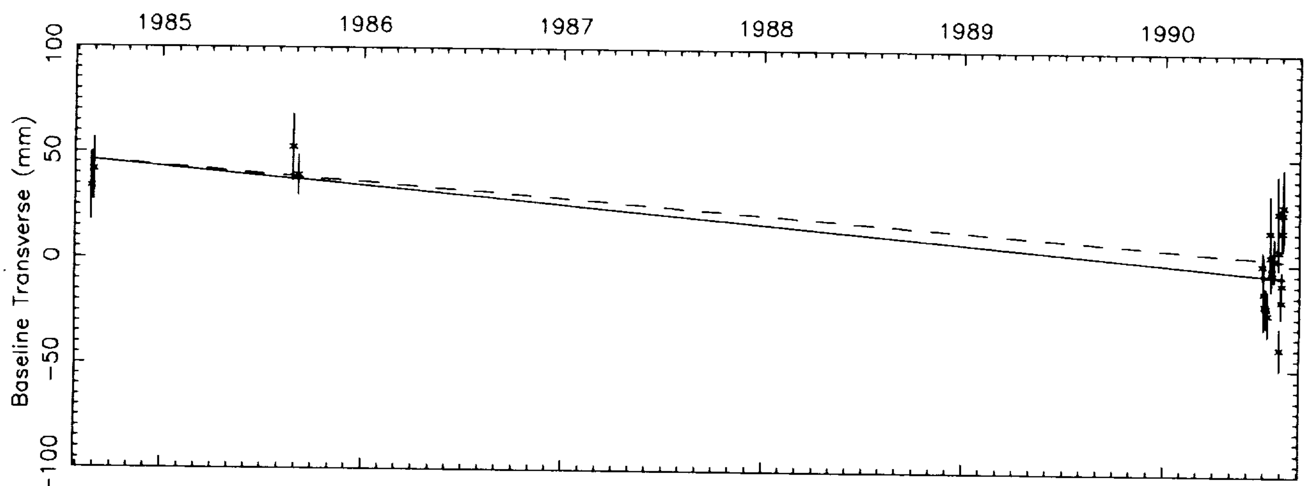
Observed Rate = 3.6 ± 1.0 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 9.0 mm

Weighted mean length = 4475699388.3 mm

Reduced Chi square = 1.80

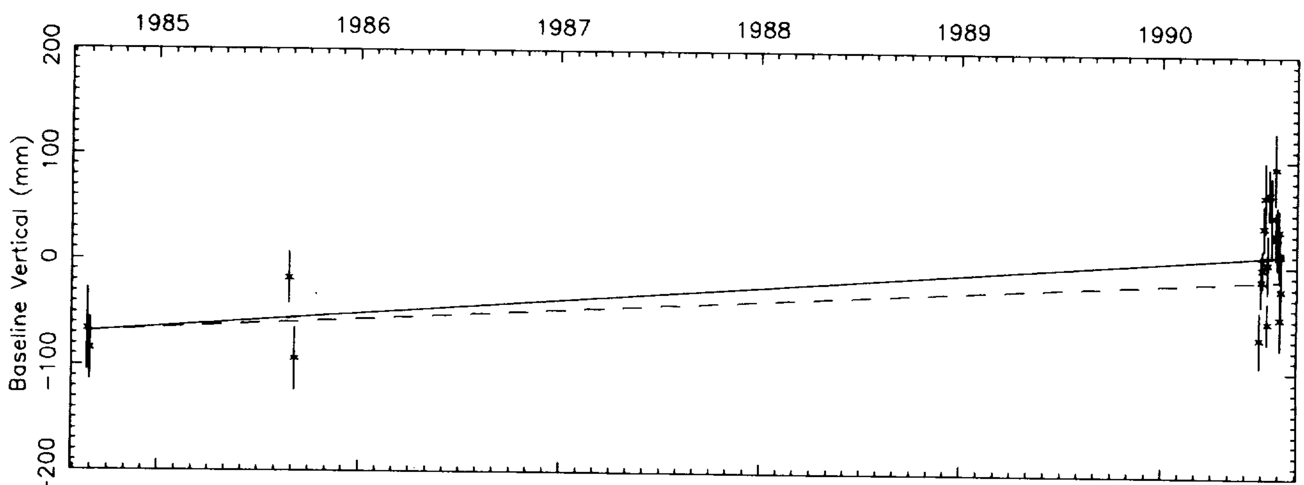


Observed Rate = −8.7 ± 2.0 mm/yr

NUVEL model rate = −7.4 mm/yr

Wrms of fit = 14.9 mm

Reduced Chi square = 2.40



Observed Rate = 13.3 ± 4.8 mm/yr

NUVEL model rate = 9.4 mm/yr

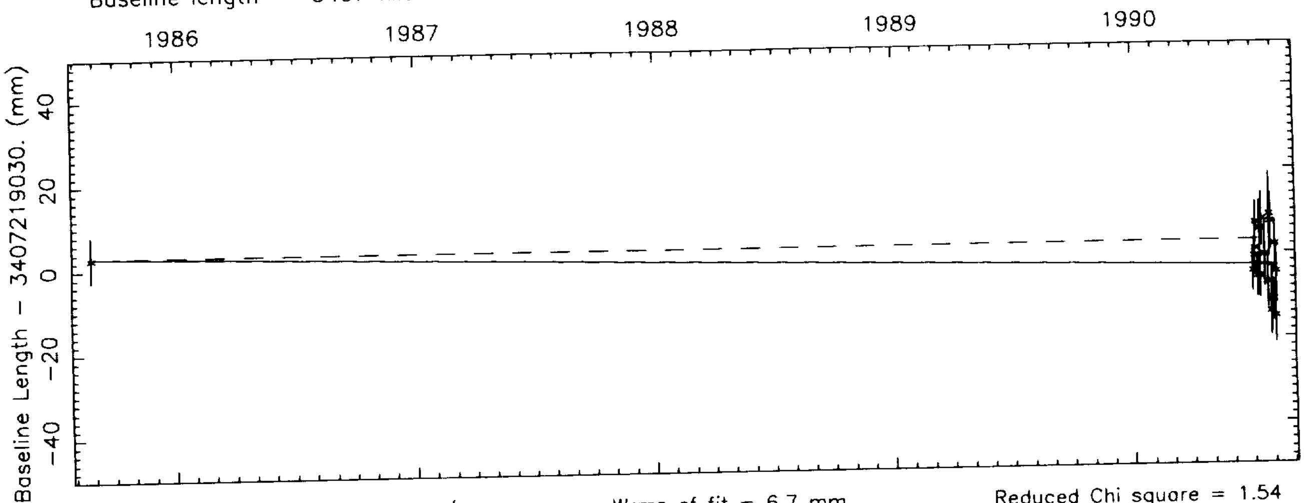
Wrms of fit = 38.9 mm

Reduced Chi square = 2.63

Vector baseline plots for ALGOPARK–MOJAVE12

Baseline length = 3407 kilometers

Number of sessions = 19



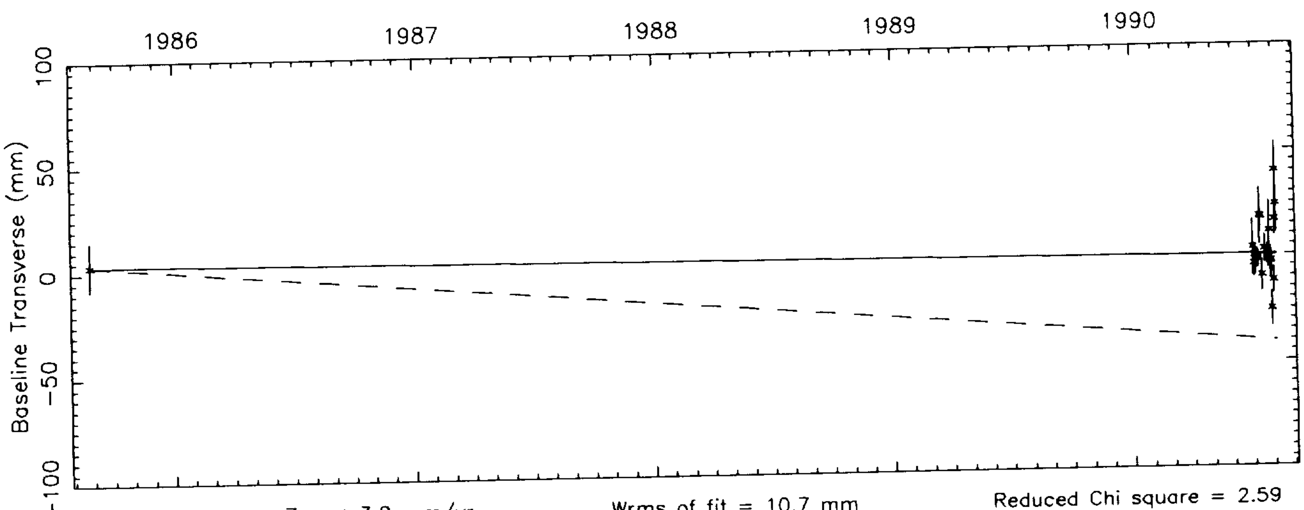
Observed Rate = –1.3 ± 1.4 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.7 mm

Weighted mean length = 3407219027.3 mm

Reduced Chi square = 1.54

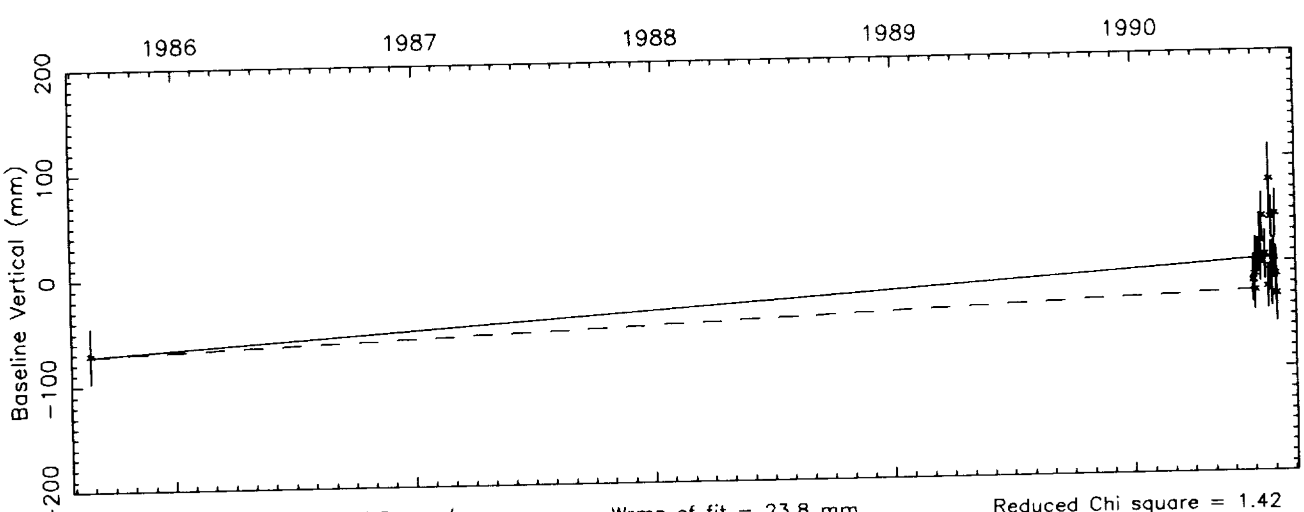


Observed Rate = –.7 ± 3.9 mm/yr

NUVEL model rate = –8.9 mm/yr

Wrms of fit = 10.7 mm

Reduced Chi square = 2.59



Observed Rate = 15.3 ± 6.5 mm/yr

NUVEL model rate = 9.3 mm/yr

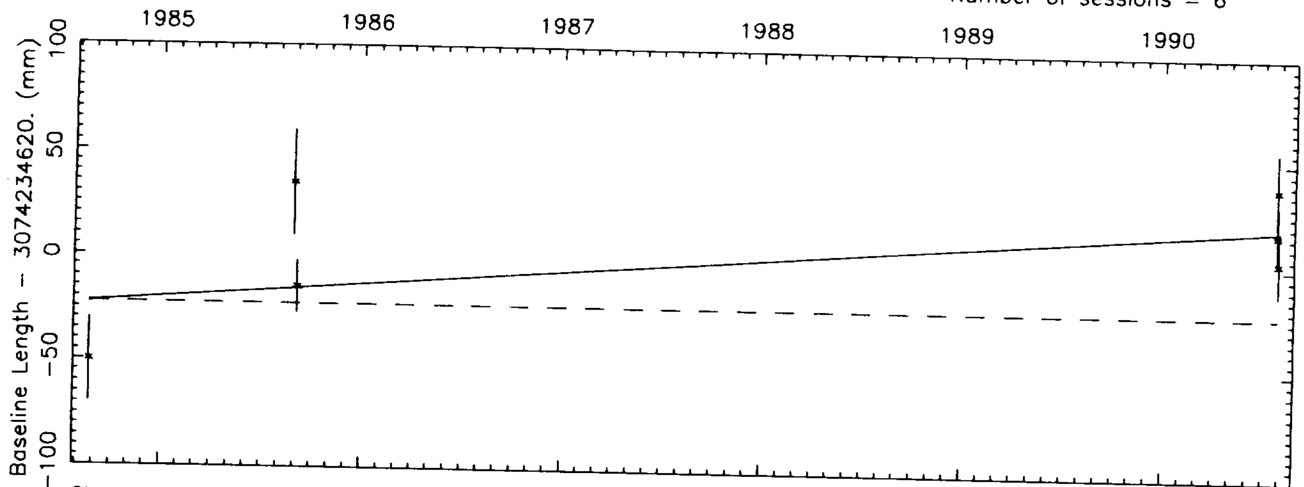
Wrms of fit = 23.8 mm

Reduced Chi square = 1.42

Vector baseline plots for ALGOPARK–PENTICTN

Baseline length = 3074 kilometers

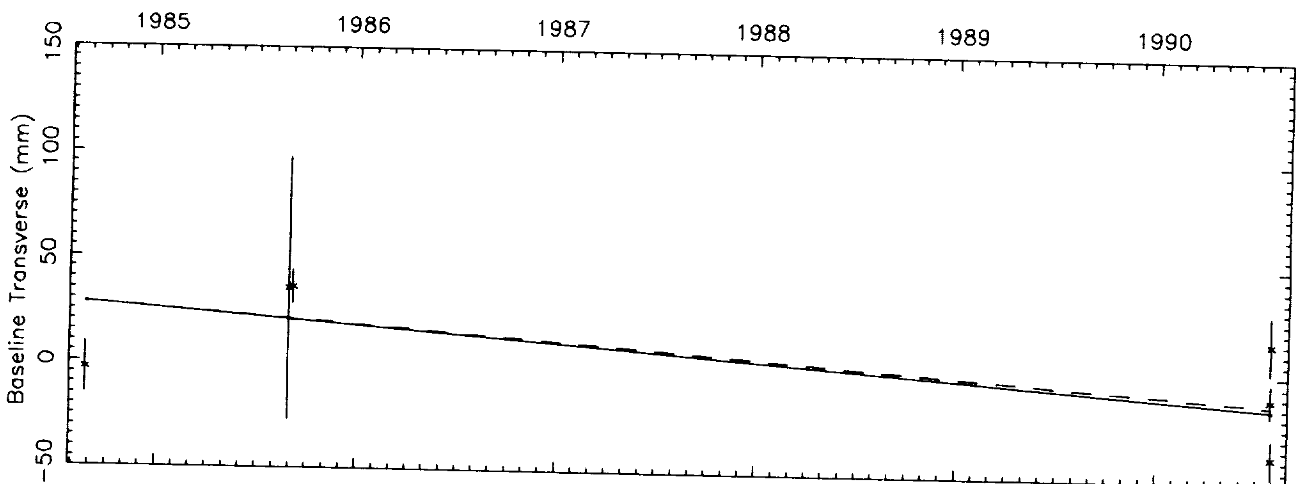
Number of sessions = 6



Observed Rate = 6.9 ± 3.6 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 18.5 mm
Weighted mean length = 3074234622.2 mm

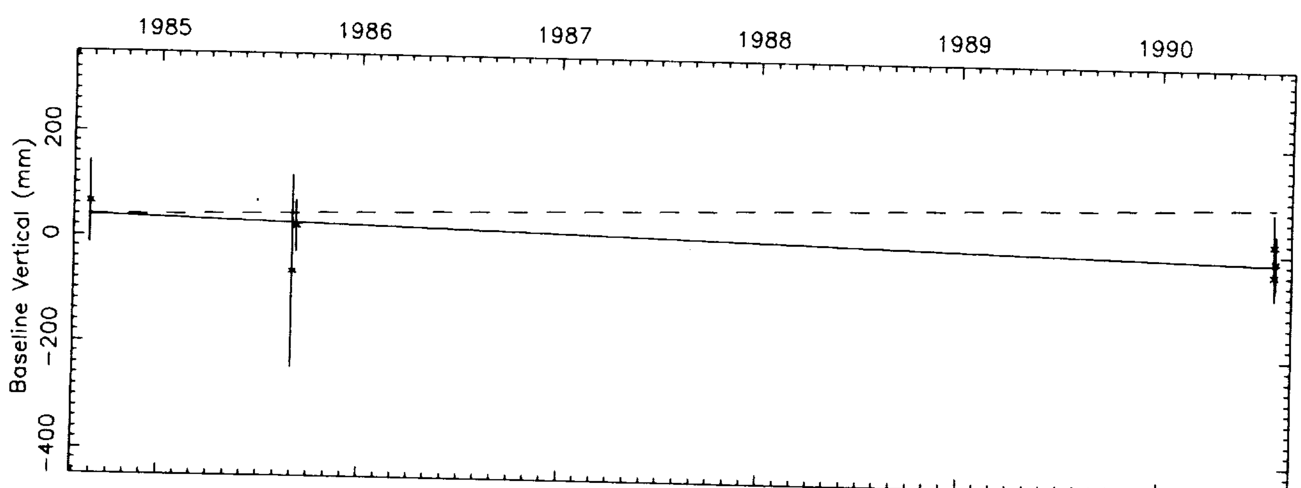
Reduced Chi square = 2.02



Observed Rate = –7.3 ± 3.9 mm/yr
NUVEL model rate = –7.0 mm/yr

Wrms of fit = 19.8 mm

Reduced Chi square = 5.61



Observed Rate = –9.4 ± 4.7 mm/yr
NUVEL model rate = 8.5 mm/yr

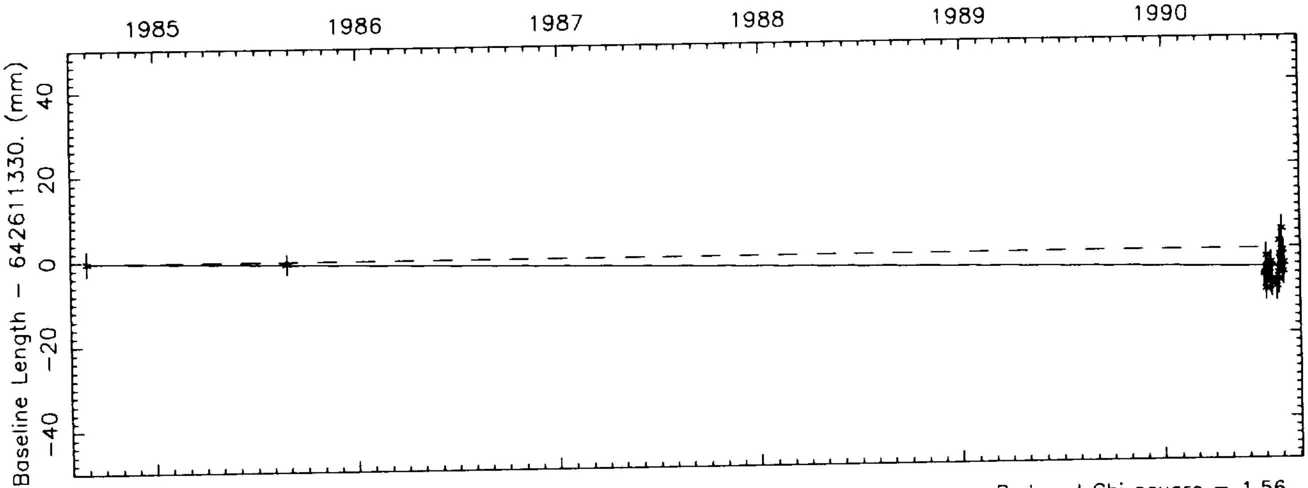
Wrms of fit = 23.5 mm

Reduced Chi square = .24

Vector baseline plots for ALGOPARK–WESTFORD

Baseline length = 643 kilometers

Number of sessions = 19



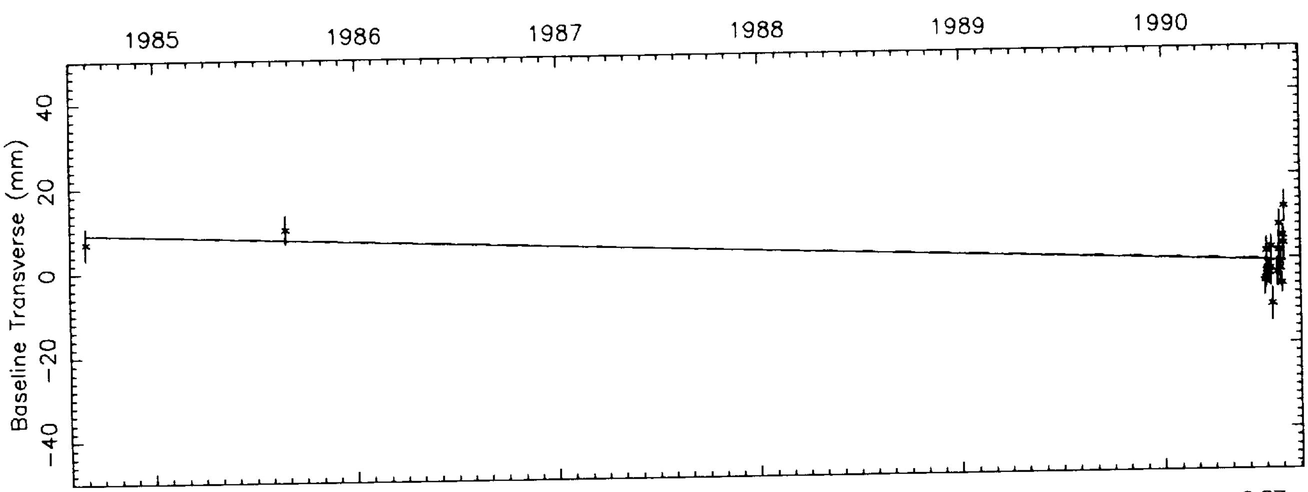
Observed Rate = –.7 ± .5 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 3.5 mm

Weighted mean length = 642611325.8 mm

Reduced Chi square = 1.56

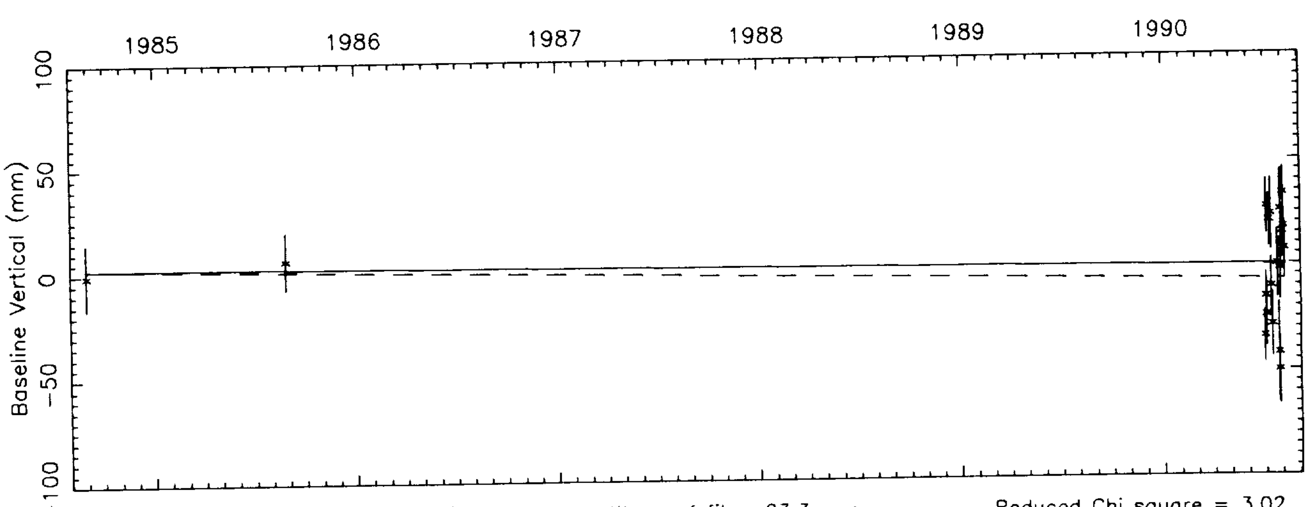


Observed Rate = –1.7 ± .8 mm/yr

NUVEL model rate = –1.6 mm/yr

Wrms of fit = 5.1 mm

Reduced Chi square = 2.87



Observed Rate = –.5 ± 3.5 mm/yr

NUVEL model rate = –1.7 mm/yr

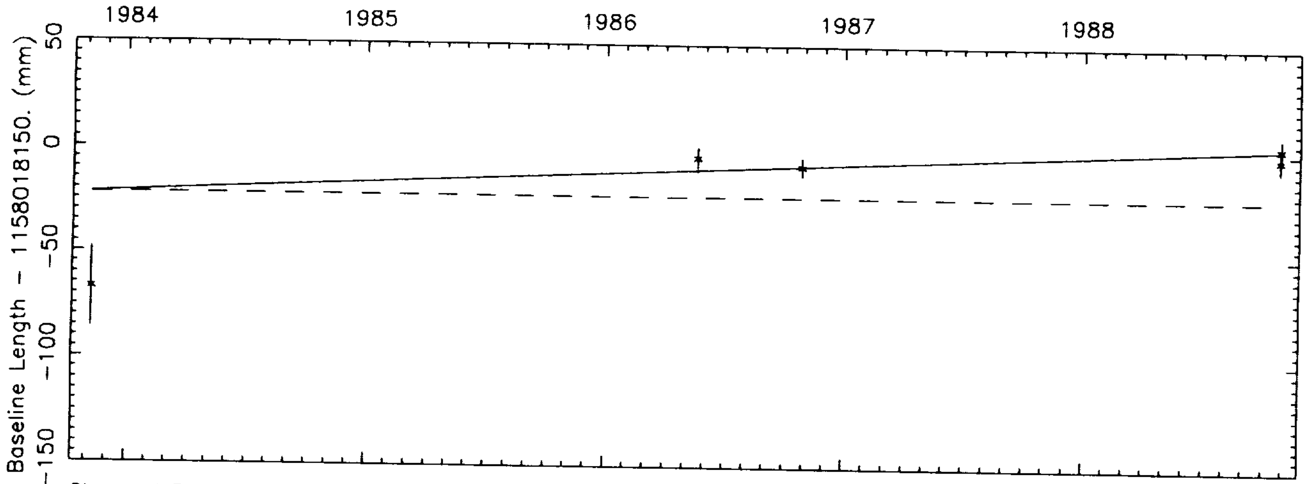
Wrms of fit = 23.3 mm

Reduced Chi square = 3.02

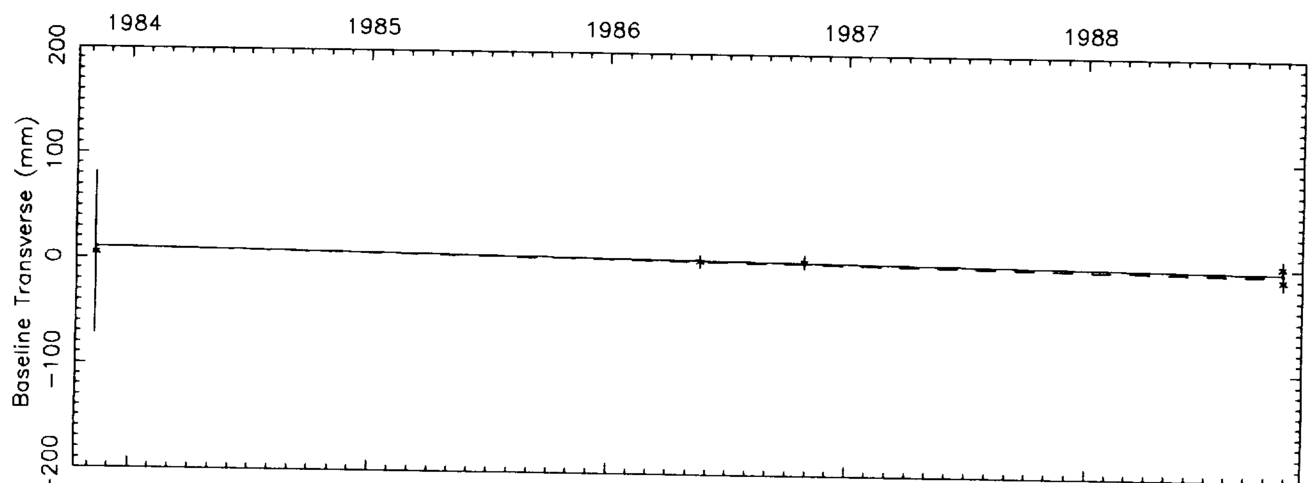
Vector baseline plots for BLKBUTTE-HRAS 085

Baseline length = 1158 kilometers

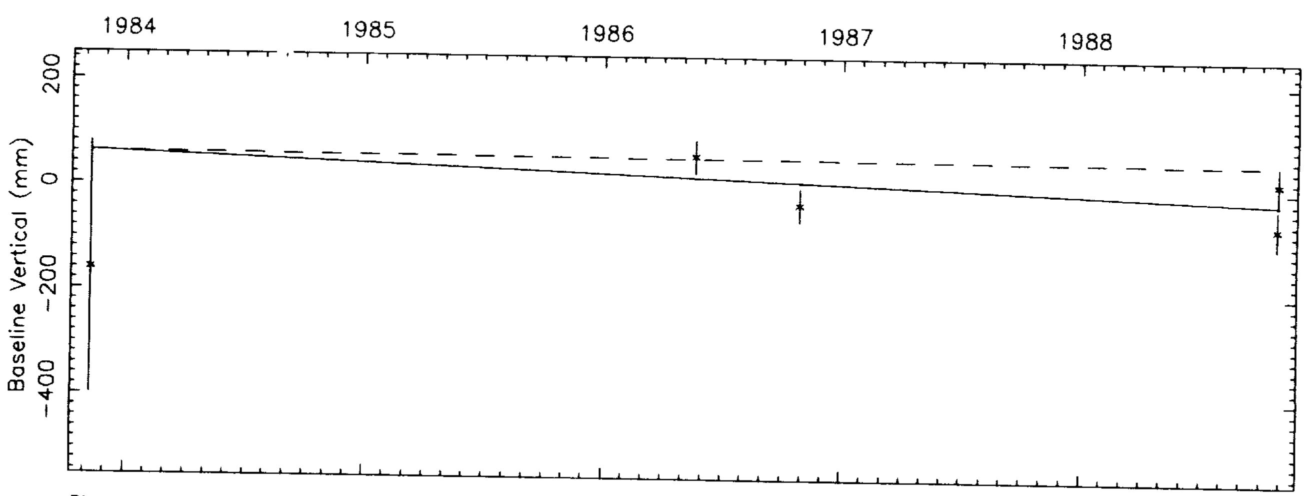
Number of sessions = 5



Observed Rate = 5.0 ± 3.3 mm/yr
NUVEL model rate = .0 mm/yr
Wrms of fit = 6.8 mm
Weighted mean length = 1158018146.2 mm
Reduced Chi square = 2.64



Observed Rate = -2.9 ± 2.1 mm/yr
NUVEL model rate = -3.3 mm/yr
Wrms of fit = 4.1 mm
Reduced Chi square = .48

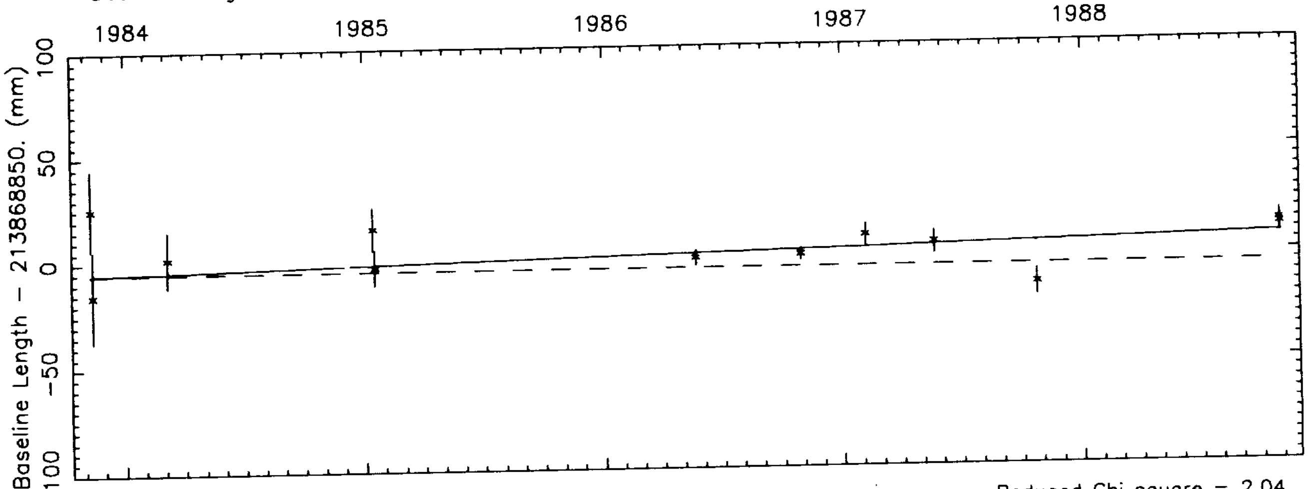


Observed Rate = -16.3 ± 22.3 mm/yr
NUVEL model rate = -1.7 mm/yr
Wrms of fit = 44.2 mm
Reduced Chi square = 2.30

Vector baseline plots for BLKBUTTE–MOJAVE12

Baseline length = 214 kilometers

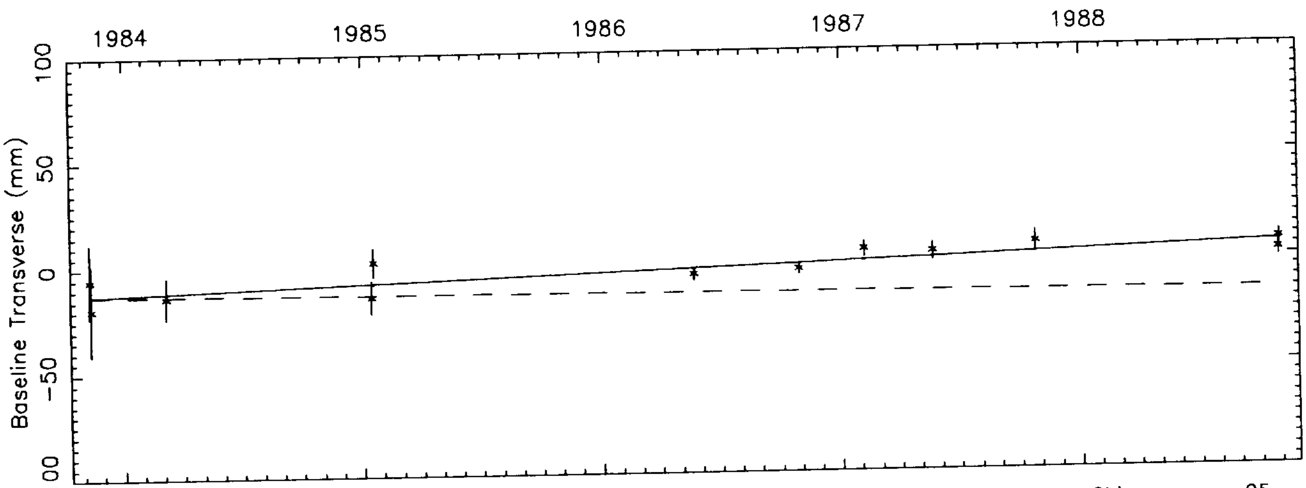
Number of sessions = 12



Observed Rate = 2.7 ± 1.9 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 7.0 mm
Weighted mean length = 213868853.4 mm

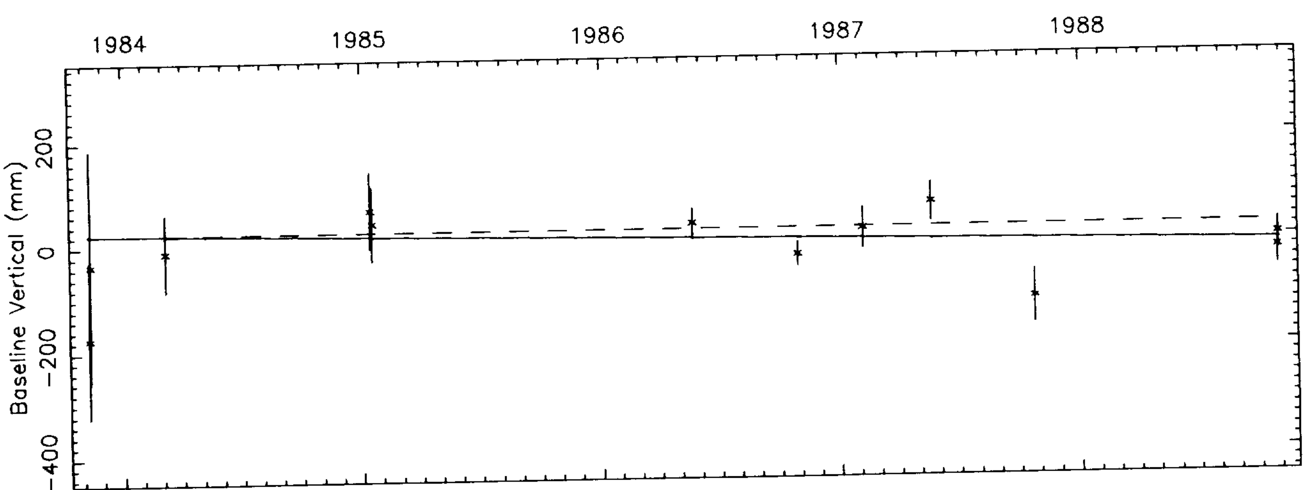
Reduced Chi square = 2.04



Observed Rate = 3.9 ± 1.1 mm/yr
NUVEL model rate = –.6 mm/yr

Wrms of fit = 3.8 mm

Reduced Chi square = .95



Observed Rate = –7.3 ± 11.4 mm/yr
NUVEL model rate = –.1 mm/yr

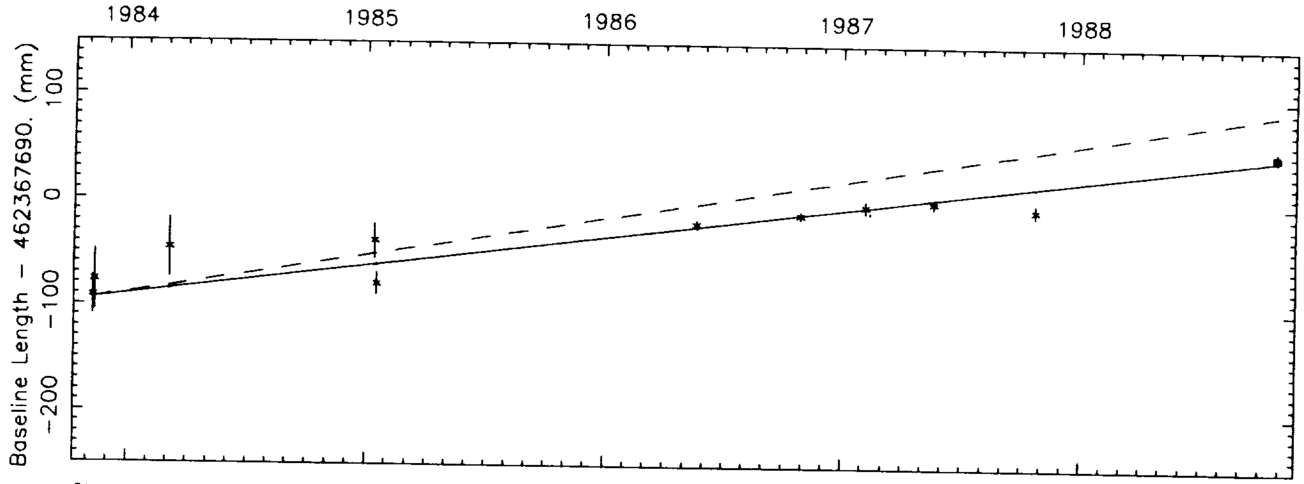
Wrms of fit = 43.0 mm

Reduced Chi square = 1.41

Vector baseline plots for BLKBUTTE-VNDNBERG

Baseline length = 462 kilometers

Number of sessions = 12



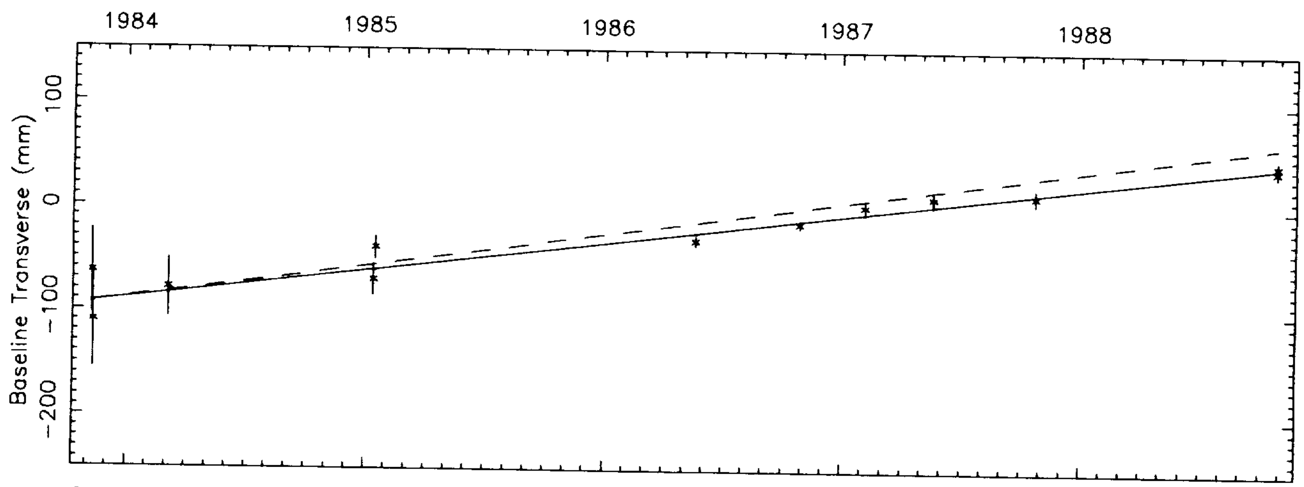
Observed Rate = 28.4 ± 2.1 mm/yr

NUVEL model rate = 36.9 mm/yr

Wrms of fit = 6.9 mm

Weighted mean length = 462367692.6 mm

Reduced Chi square = 2.26

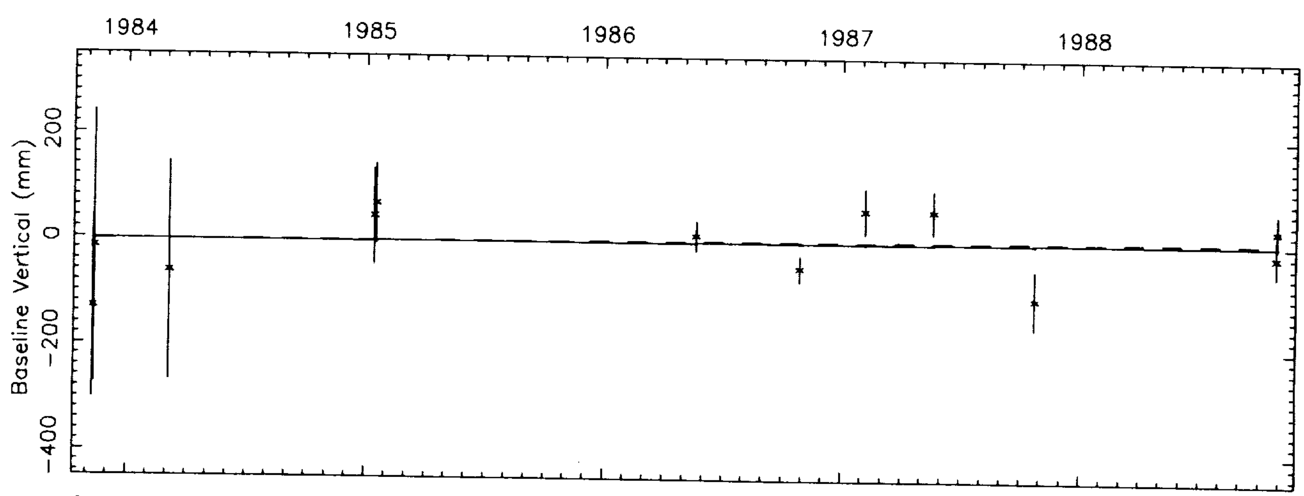


Observed Rate = 27.2 ± 1.9 mm/yr

NUVEL model rate = 31.2 mm/yr

Wrms of fit = 6.4 mm

Reduced Chi square = 1.07



Observed Rate = 1.0 ± 13.4 mm/yr

NUVEL model rate = 1.9 mm/yr

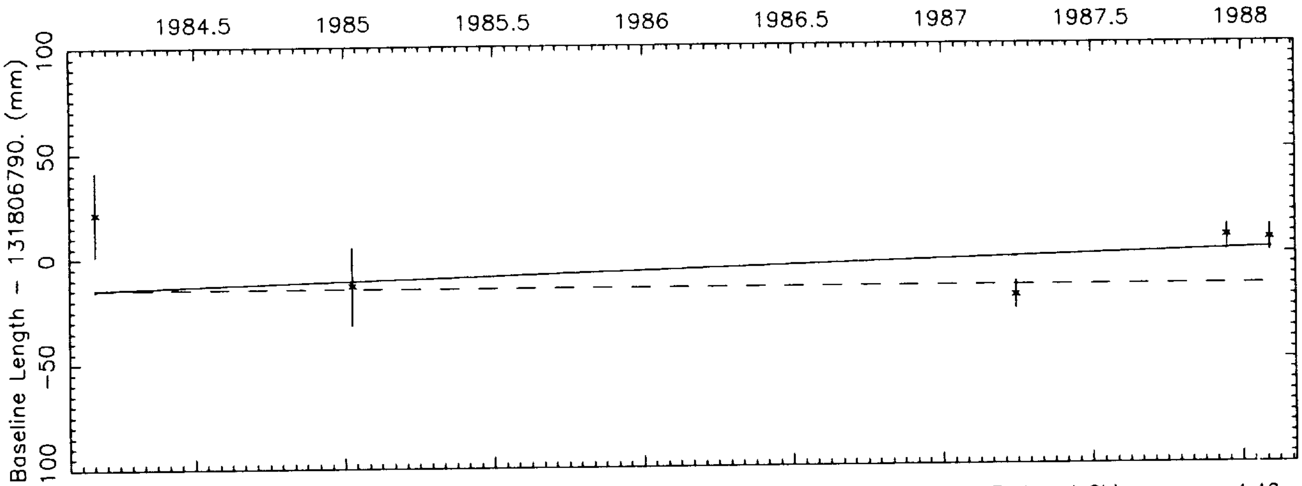
Wrms of fit = 47.1 mm

Reduced Chi square = 1.44

Vector baseline plots for DEADMANL–MOJAVE12

Baseline length = 132 kilometers

Number of sessions = 5



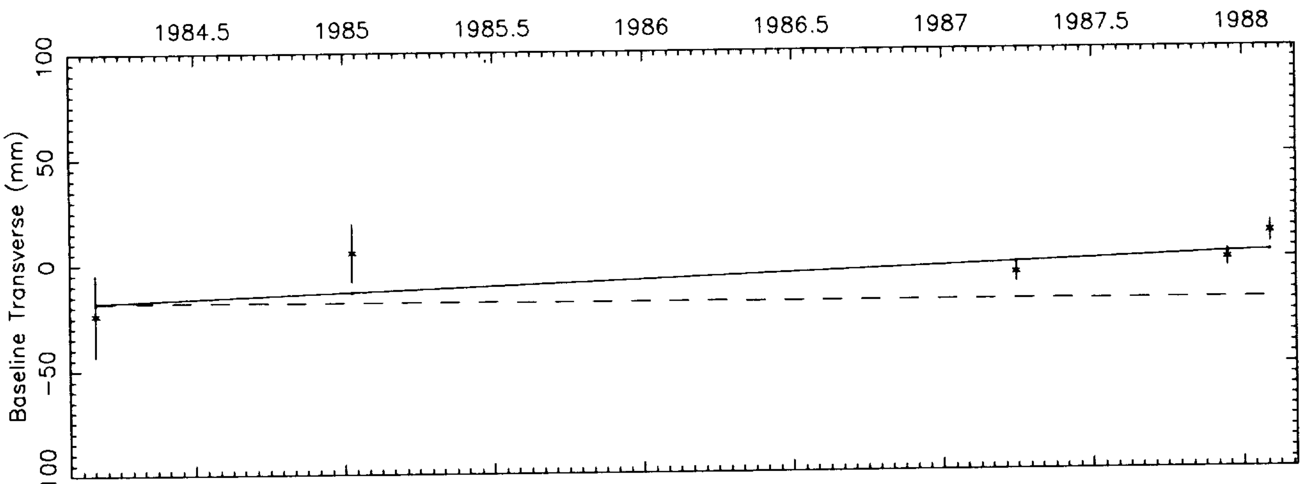
Observed Rate = 4.4 ± 8.4 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 12.1 mm

Weighted mean length = 131806790.0 mm

Reduced Chi square = 4.42

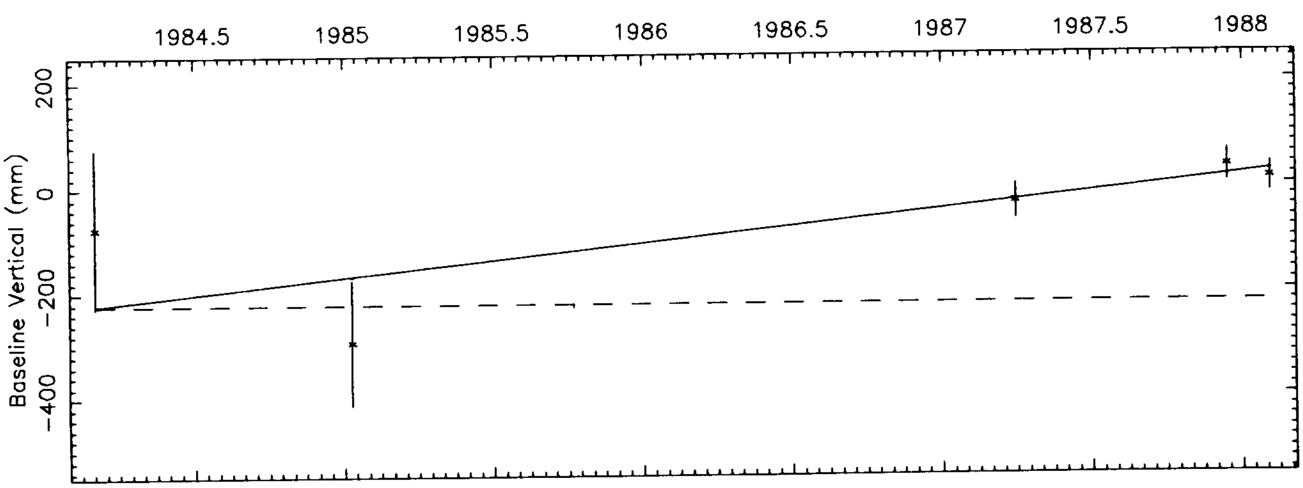


Observed Rate = 5.4 ± 4.9 mm/yr

NUVEL model rate = –.3 mm/yr

Wrms of fit = 6.6 mm

Reduced Chi square = 2.07



Observed Rate = 62.9 ± 24.3 mm/yr

NUVEL model rate = –.1 mm/yr

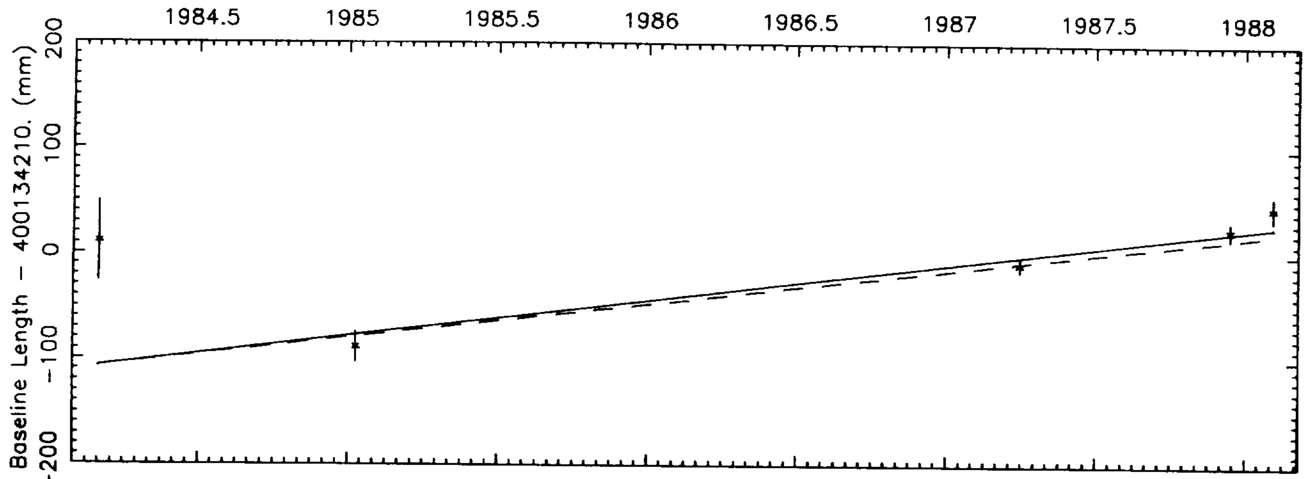
Wrms of fit = 28.0 mm

Reduced Chi square = .89

Vector baseline plots for DEADMANL–VNDNBERG

Baseline length = 400 kilometers

Number of sessions = 5



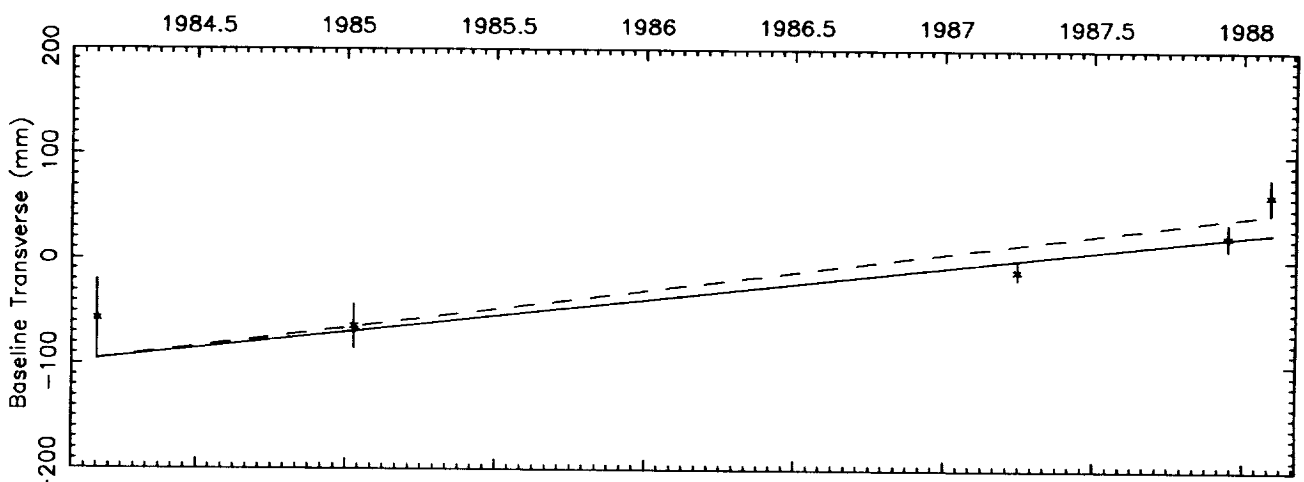
Observed Rate = 34.3 ± 10.4 mm/yr

NUVEL model rate = 32.4 mm/yr

Wrms of fit = 16.5 mm

Weighted mean length = 400134210.4 mm

Reduced Chi square = 4.63

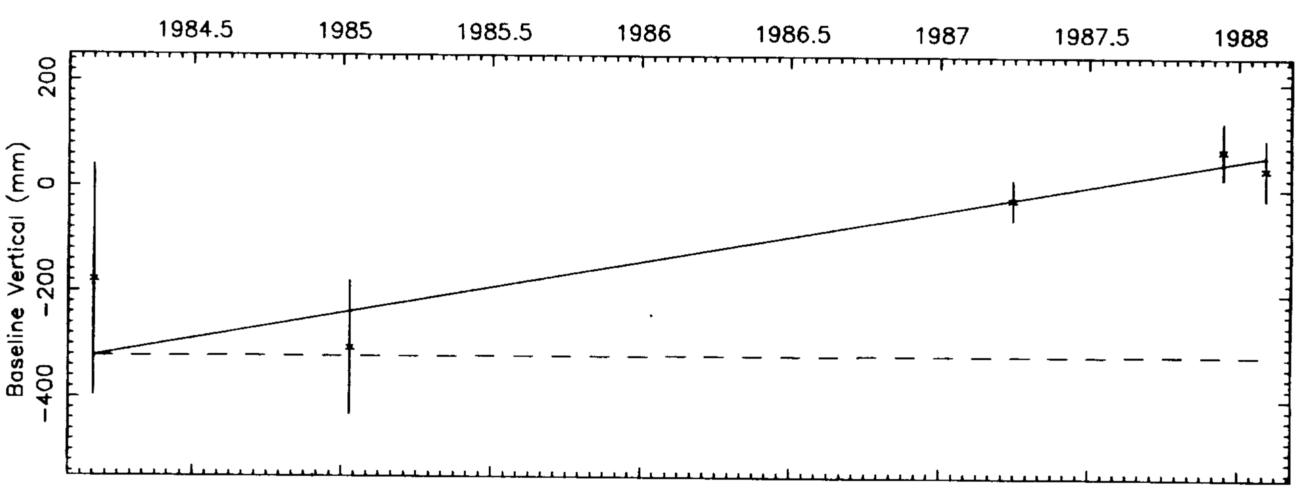


Observed Rate = 31.0 ± 10.2 mm/yr

NUVEL model rate = 35.8 mm/yr

Wrms of fit = 15.9 mm

Reduced Chi square = 2.42



Observed Rate = 98.0 ± 21.2 mm/yr

NUVEL model rate = 1.6 mm/yr

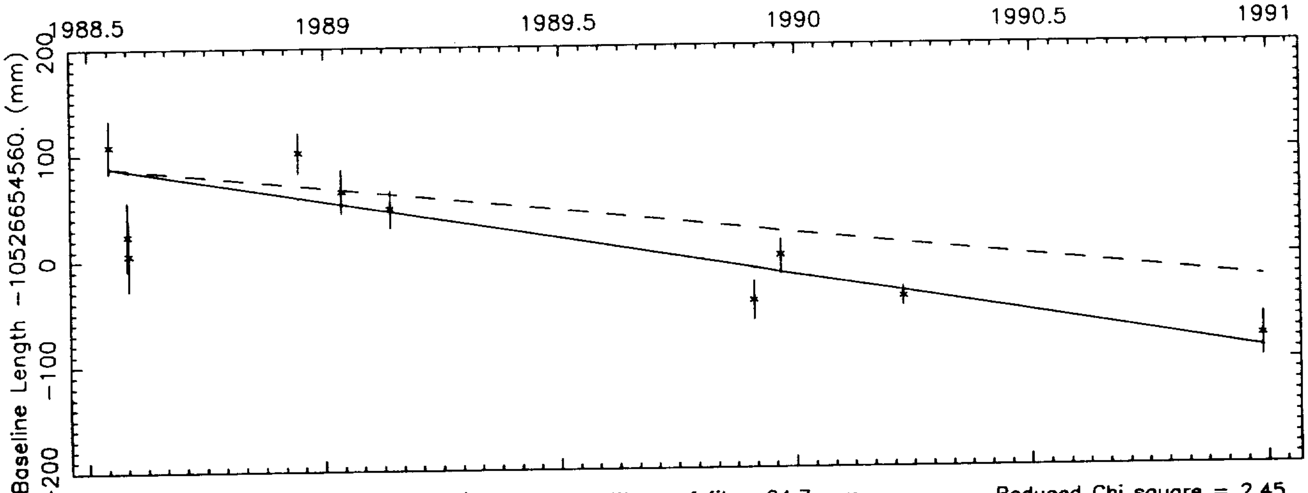
Wrms of fit = 28.0 mm

Reduced Chi square = .37

Vector baseline plots for DSS45 –GILCREEK

Baseline length = 10527 kilometers

Number of sessions = 10



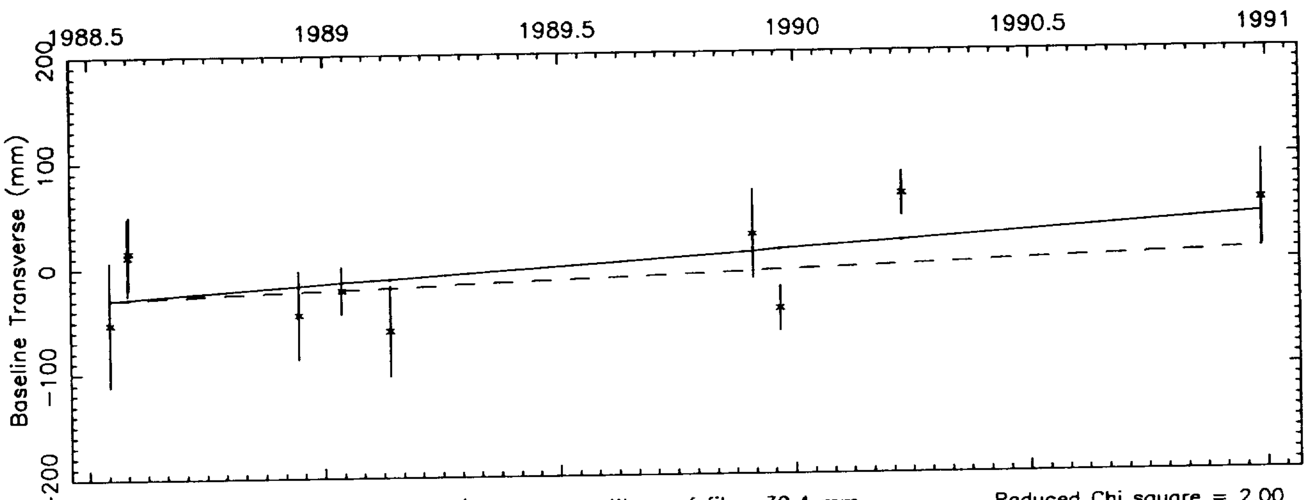
Observed Rate = –72.6 ± 12.7 mm/yr

NUVEL model rate = –45.2 mm/yr

Wrms of fit = 24.7 mm

Weighted mean length = 10526654561.1 mm

Reduced Chi square = 2.45

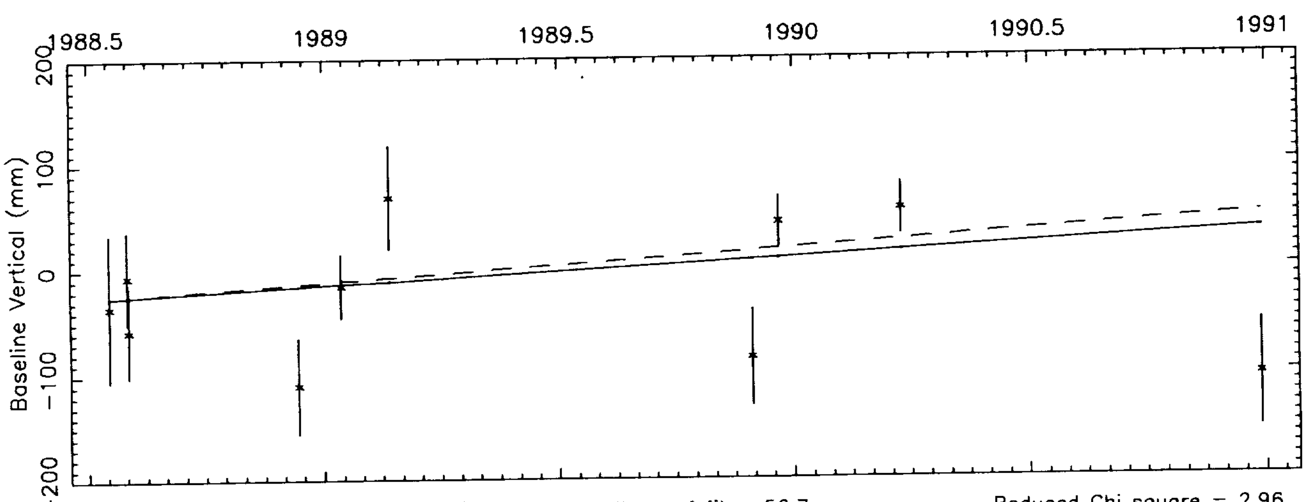


Observed Rate = 29.6 ± 19.9 mm/yr

NUVEL model rate = 16.0 mm/yr

Wrms of fit = 39.4 mm

Reduced Chi square = 2.00



Observed Rate = 24.7 ± 28.7 mm/yr

NUVEL model rate = 30.9 mm/yr

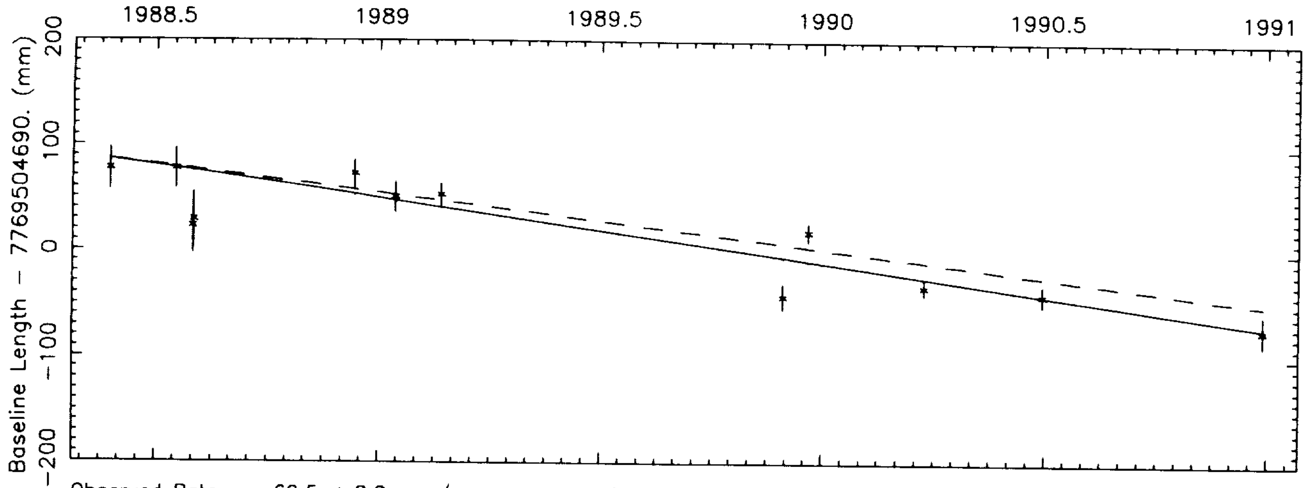
Wrms of fit = 56.7 mm

Reduced Chi square = 2.96

Vector baseline plots for DSS45 —KAUAI

Baseline length = 7770 kilometers

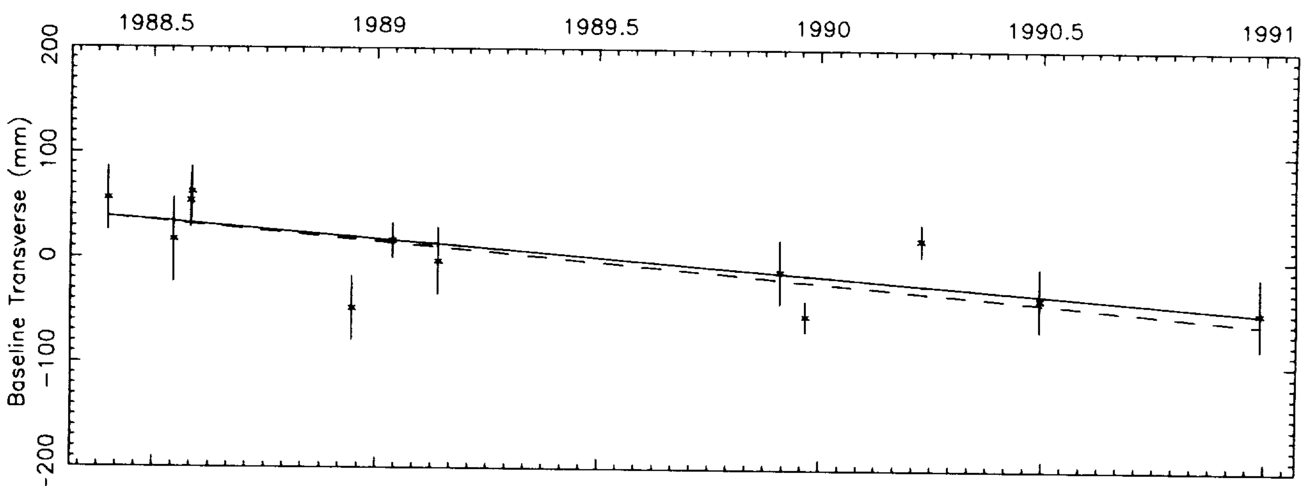
Number of sessions = 12



Observed Rate = -60.5 ± 8.9 mm/yr
NUVEL model rate = -52.3 mm/yr

Wrms of fit = 19.6 mm
Weighted mean length = 7769504691.6 mm

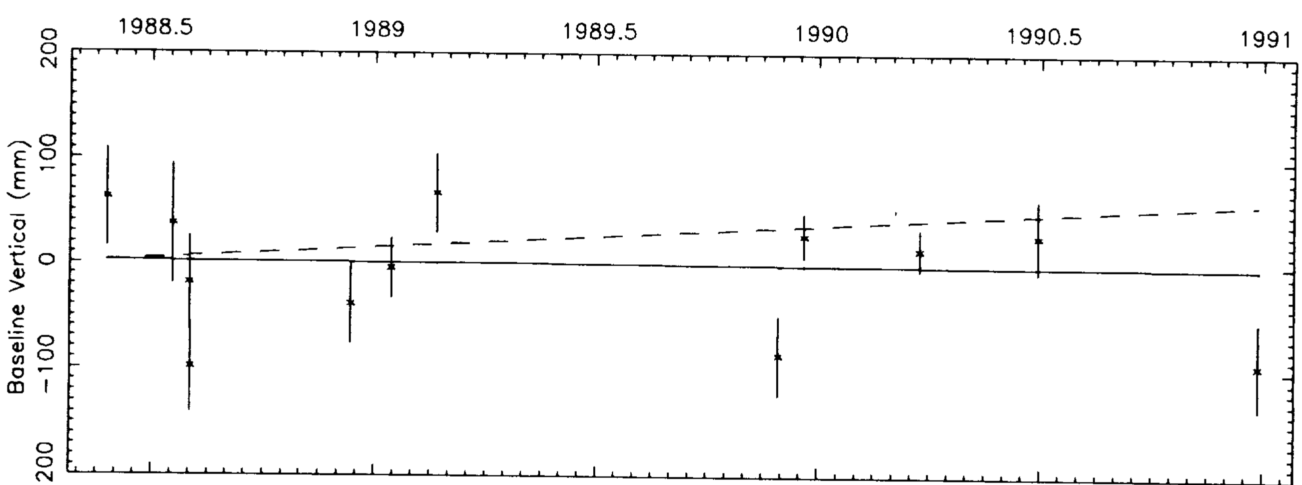
Reduced Chi square = 3.16



Observed Rate = -34.3 ± 13.7 mm/yr
NUVEL model rate = -38.3 mm/yr

Wrms of fit = 31.8 mm

Reduced Chi square = 2.28



Observed Rate = -1.8 ± 20.5 mm/yr
NUVEL model rate = 22.0 mm/yr

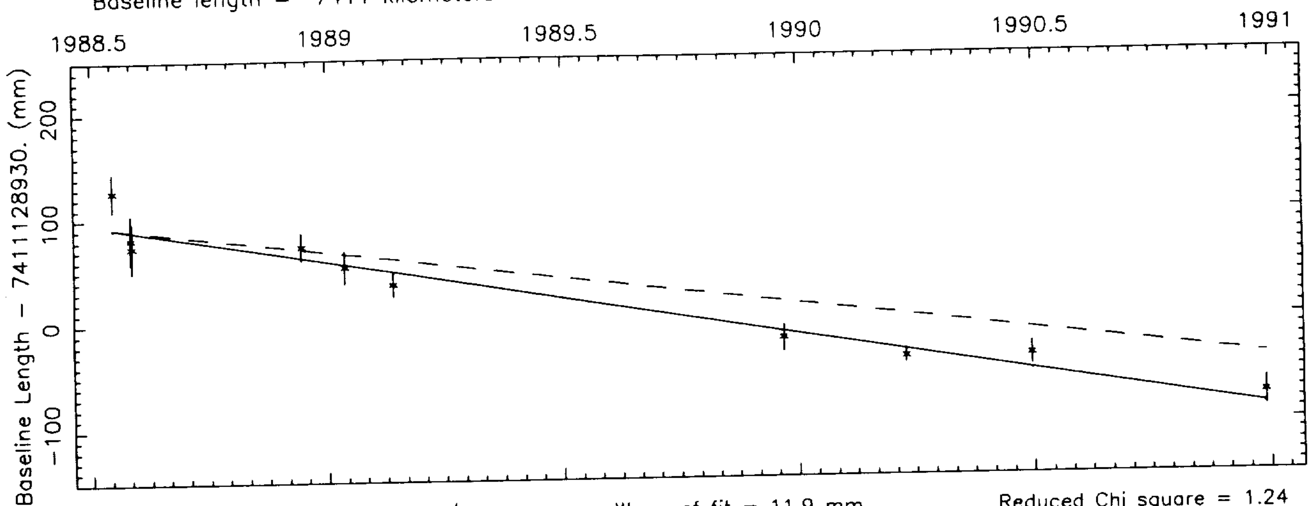
Wrms of fit = 47.3 mm

Reduced Chi square = 2.55

Vector baseline plots for DSS45 –SESHAN25

Baseline length = 7411 kilometers

Number of sessions = 10



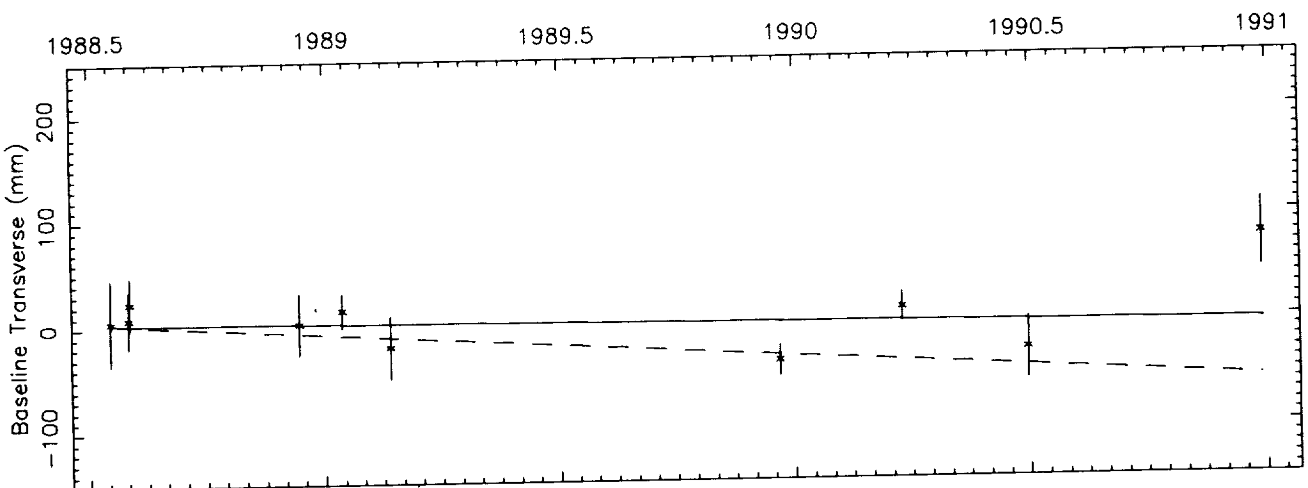
Observed Rate = –72.9 ± 5.9 mm/yr

NUVEL model rate = –53.0 mm/yr

Wrms of fit = 11.9 mm

Weighted mean length = 7411128926.6 mm

Reduced Chi square = 1.24

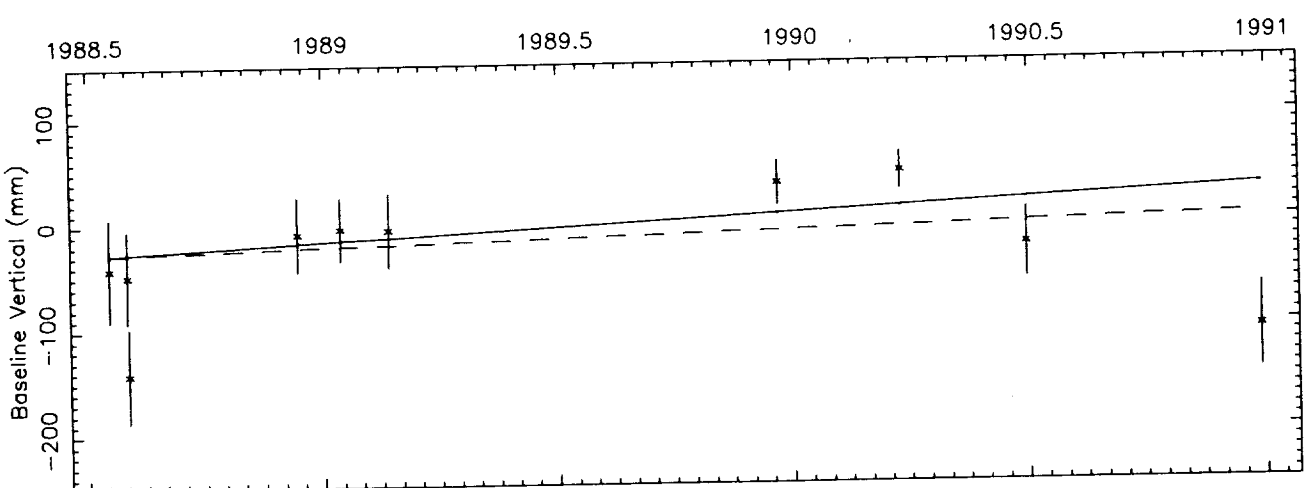


Observed Rate = –2.9 ± 13.5 mm/yr

NUVEL model rate = –24.8 mm/yr

Wrms of fit = 27.3 mm

Reduced Chi square = 2.03



Observed Rate = 23.5 ± 23.9 mm/yr

NUVEL model rate = 12.2 mm/yr

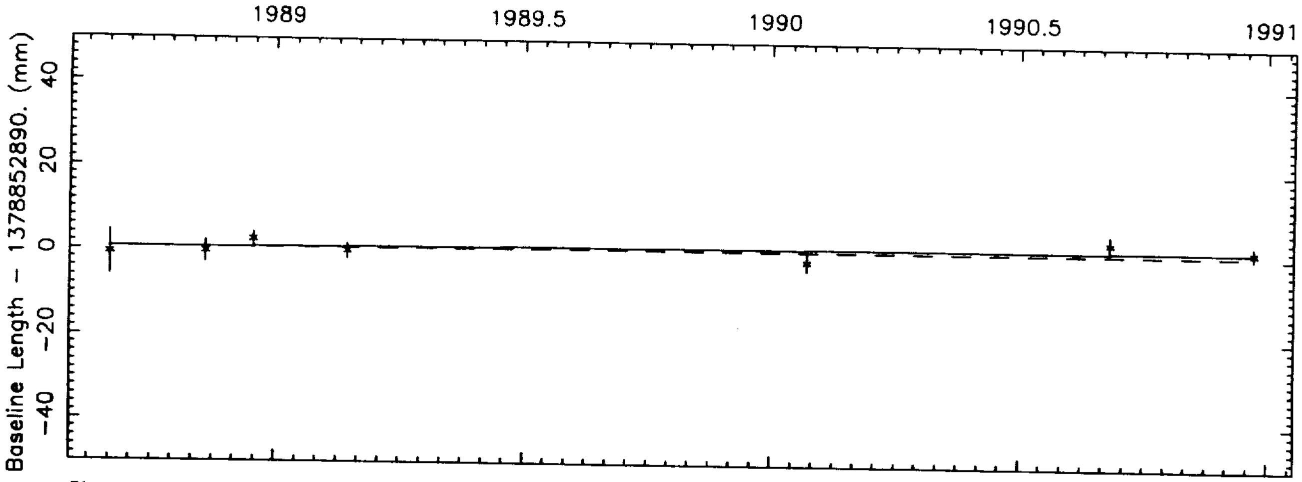
Wrms of fit = 48.3 mm

Reduced Chi square = 3.20

Vector baseline plots for DSS65 —MEDICINA

Baseline length = 1379 kilometers

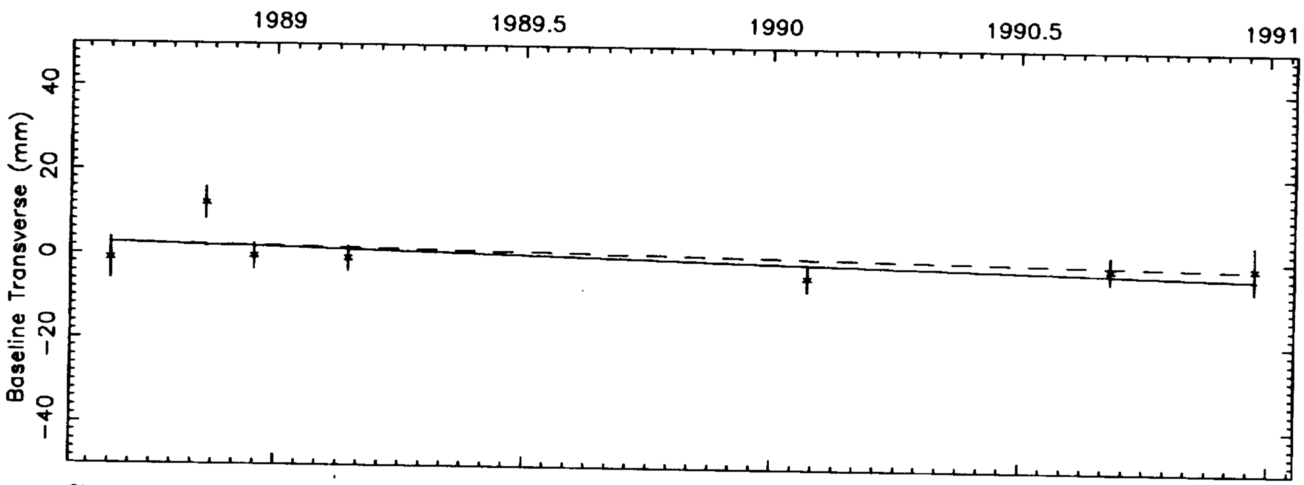
Number of sessions = 7



Observed Rate = .4 ± .8 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 1.6 mm
Weighted mean length = 1378852891.0 mm

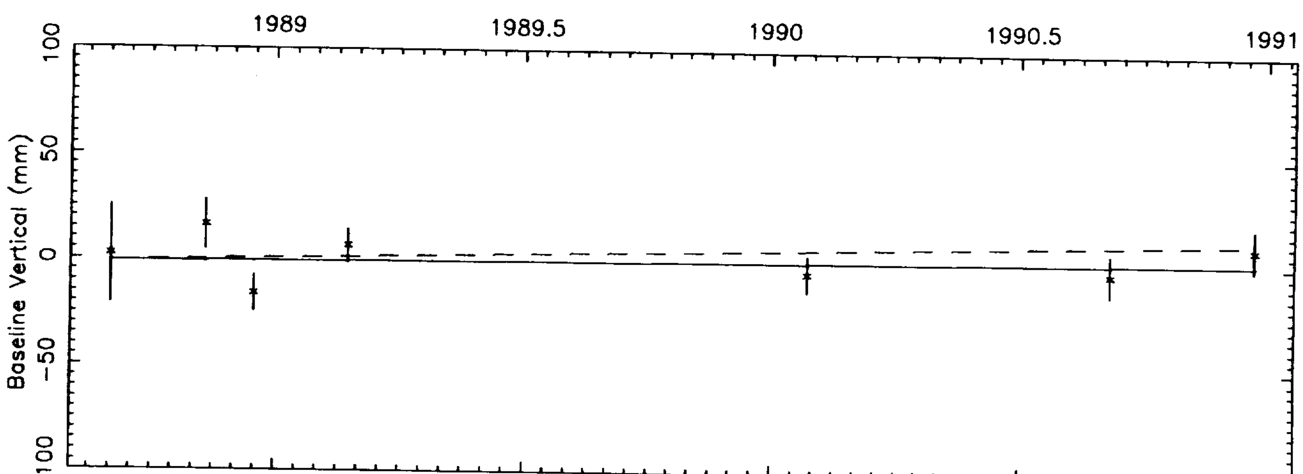
Reduced Chi square = .88



Observed Rate = -2.9 ± 2.4 mm/yr
NUVEL model rate = -1.9 mm/yr

Wrms of fit = 4.2 mm

Reduced Chi square = 1.94



Observed Rate = 1.0 ± 5.5 mm/yr
NUVEL model rate = 5.3 mm/yr

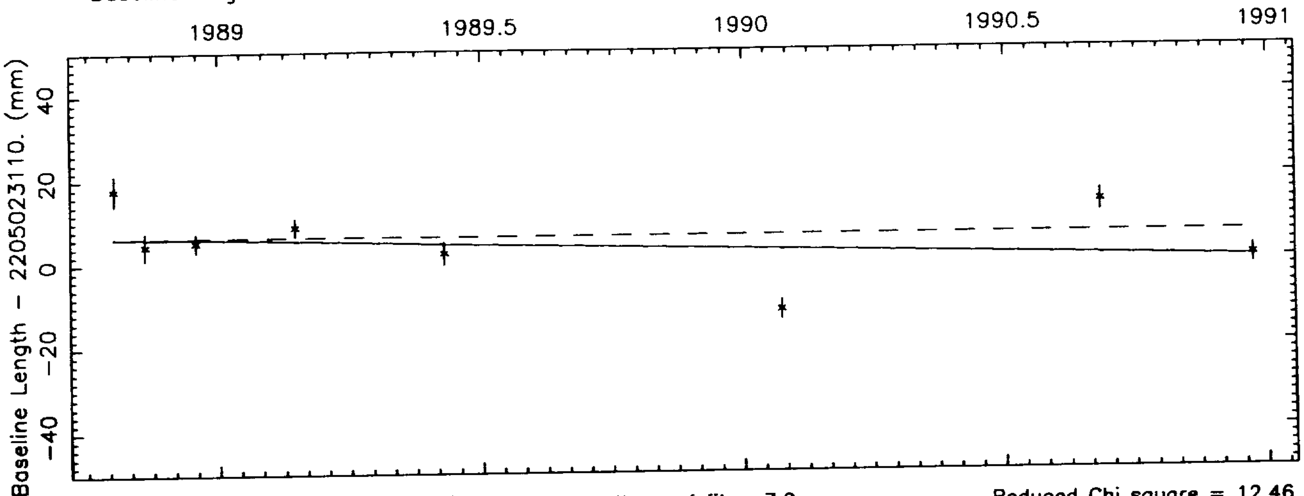
Wrms of fit = 10.0 mm

Reduced Chi square = 1.47

Vector baseline plots for DSS65 —ONSALA60

Baseline length = 2205 kilometers

Number of sessions = 8



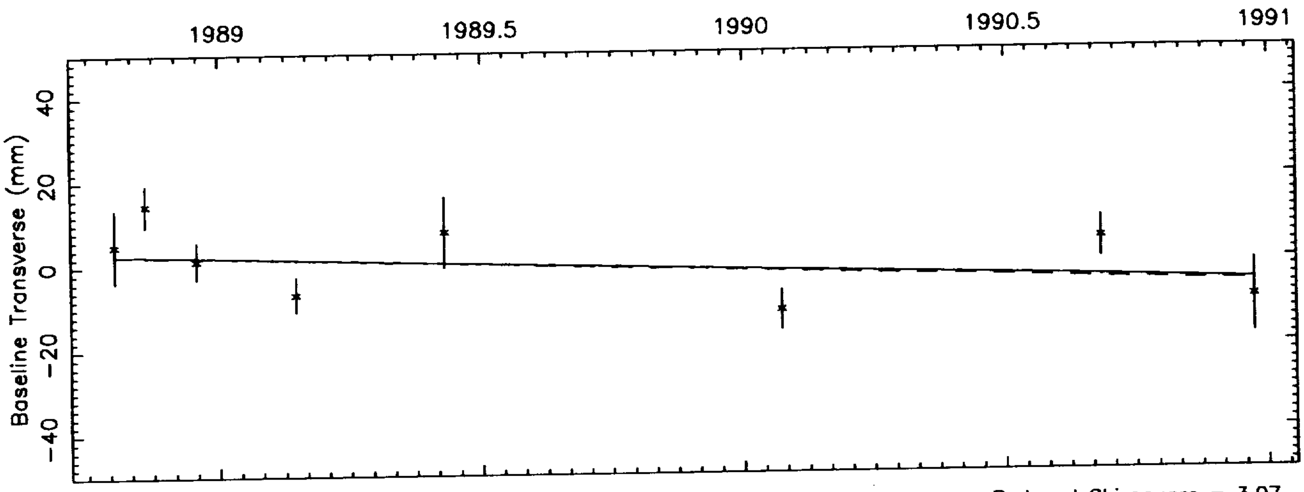
Observed Rate = −3.0 ± 4.1 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 7.9 mm

Weighted mean length = 2205023113.7 mm

Reduced Chi square = 12.46

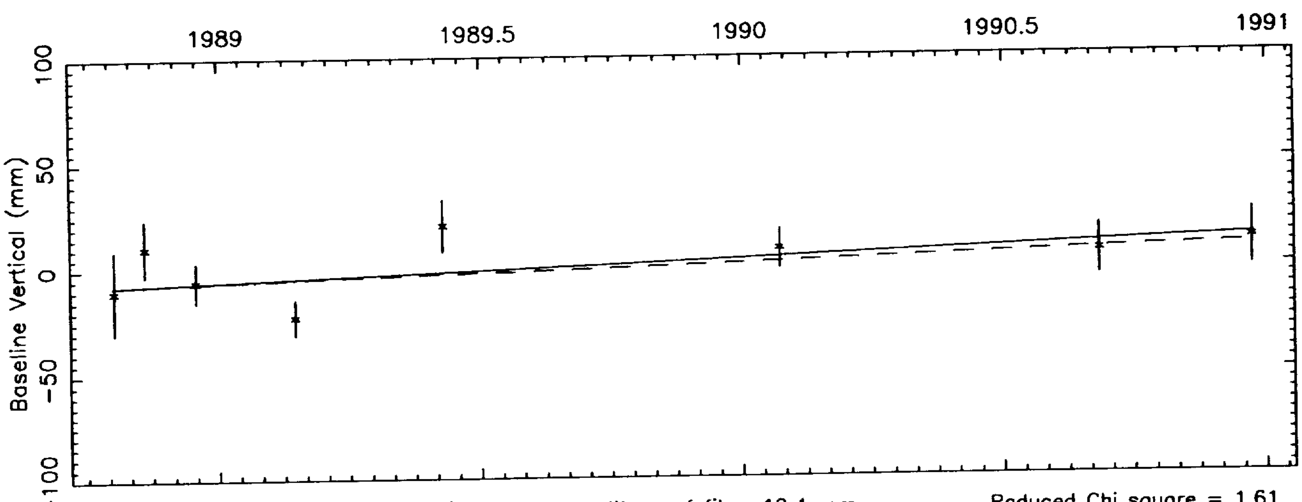


Observed Rate = −3.6 ± 4.6 mm/yr

NUVEL model rate = −3.8 mm/yr

Wrms of fit = 8.1 mm

Reduced Chi square = 3.07



Observed Rate = 9.7 ± 6.9 mm/yr

NUVEL model rate = 8.1 mm/yr

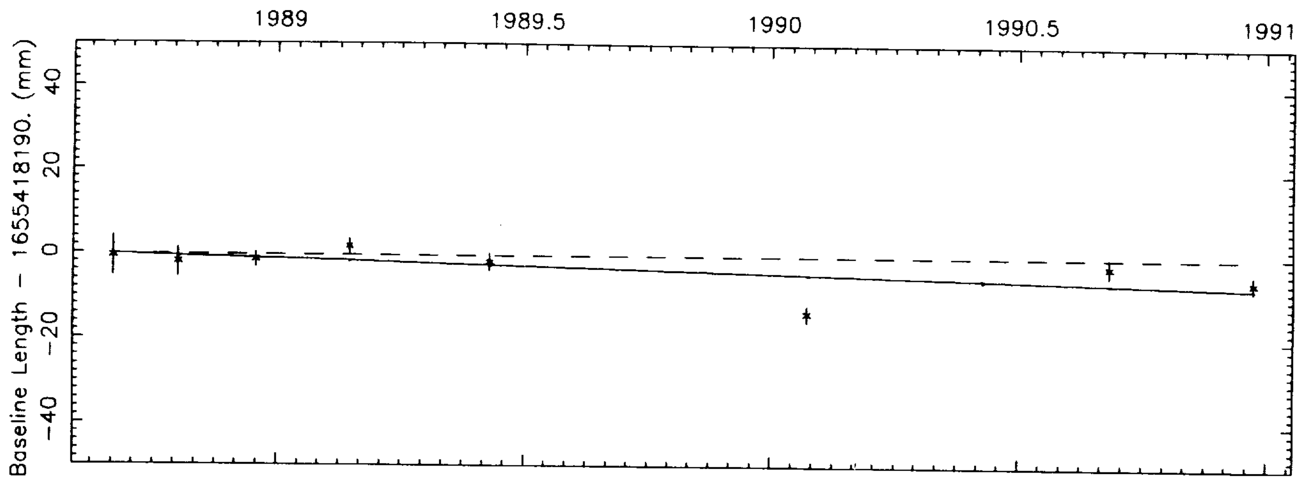
Wrms of fit = 12.4 mm

Reduced Chi square = 1.61

Vector baseline plots for DSS65 -WETTZELL

Baseline length = 1655 kilometers

Number of sessions = 8



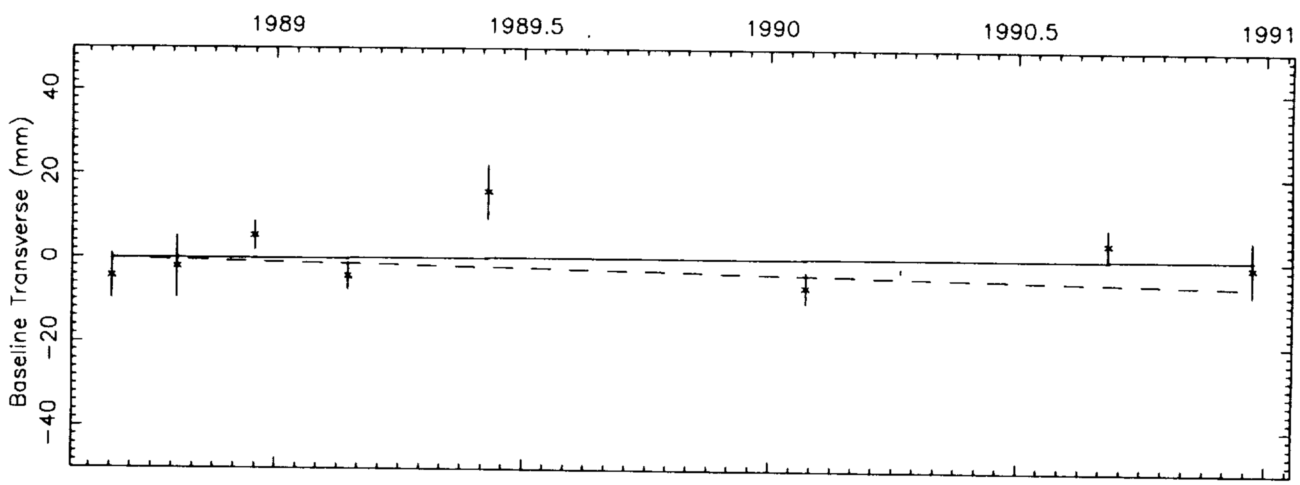
Observed Rate = -3.0 ± 2.1 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.1 mm

Weighted mean length = 1655418186.5 mm

Reduced Chi square = 4.84

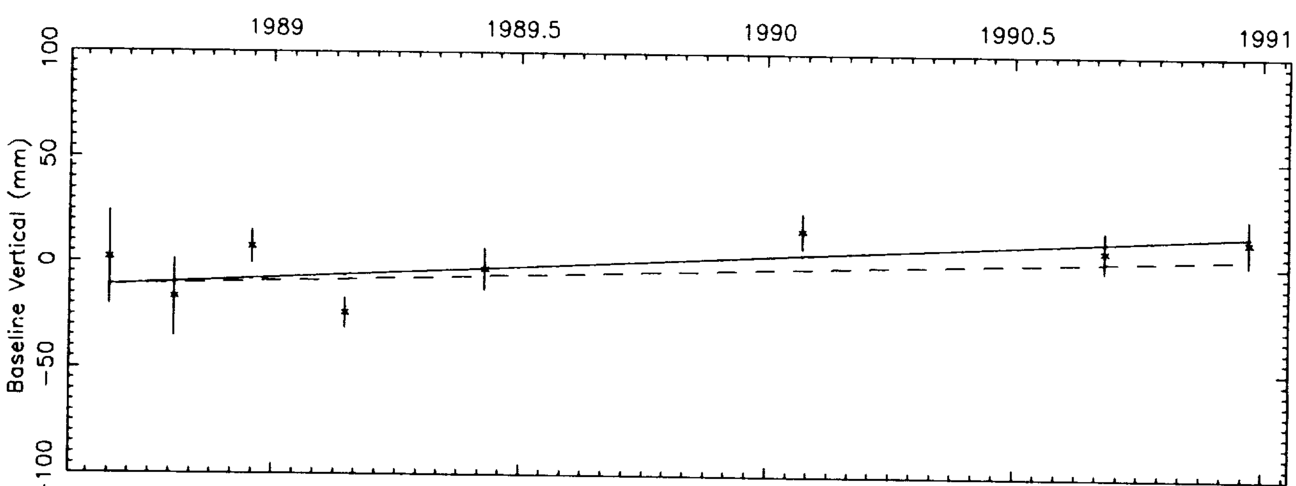


Observed Rate = .3 ± 3.2 mm/yr

NUVEL model rate = -2.5 mm/yr

Wrms of fit = 6.0 mm

Reduced Chi square = 2.52



Observed Rate = 11.3 ± 6.8 mm/yr

NUVEL model rate = 6.6 mm/yr

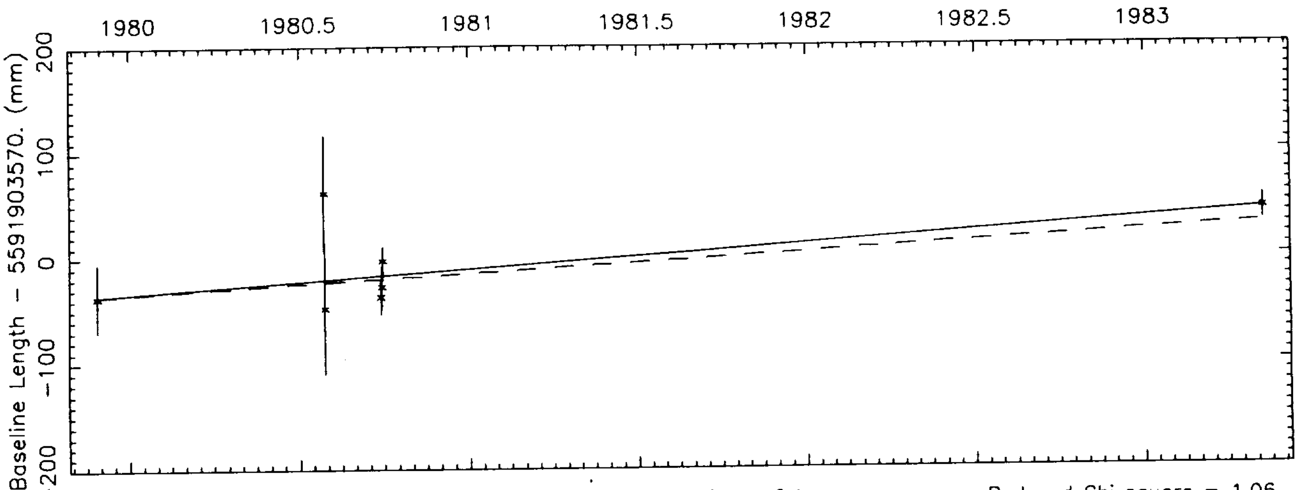
Wrms of fit = 12.3 mm

Reduced Chi square = 2.07

Vector baseline plots for EFLSBERG–HAYSTACK

Baseline length = 5592 kilometers

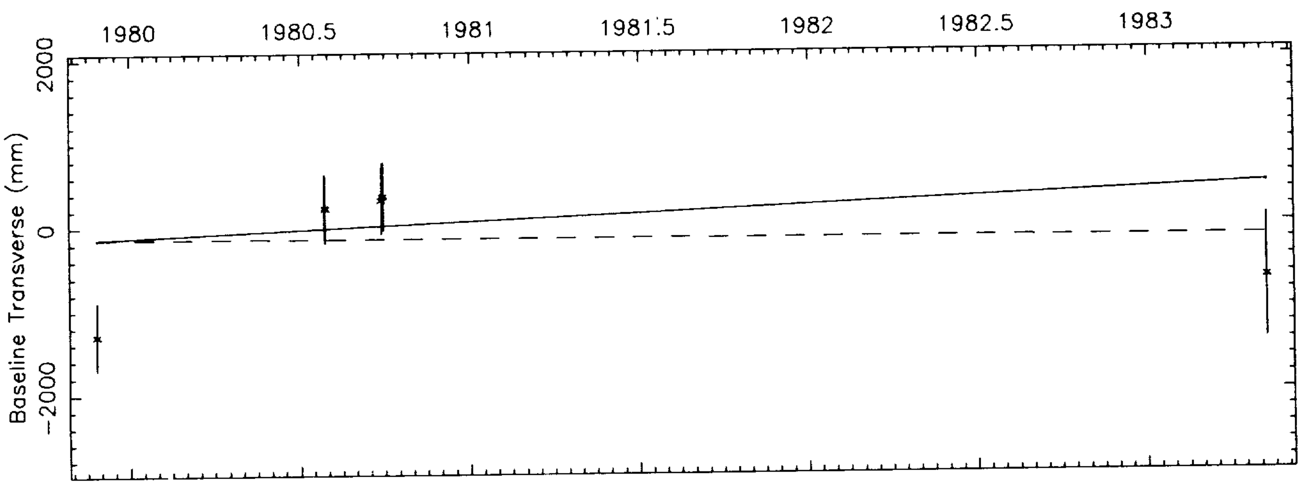
Number of sessions = 7



Observed Rate = 23.1 ± 5.6 mm/yr
NUVEL model rate = 19.4 mm/yr

Wrms of fit = 16.1 mm
Weighted mean length = 5591903572.4 mm

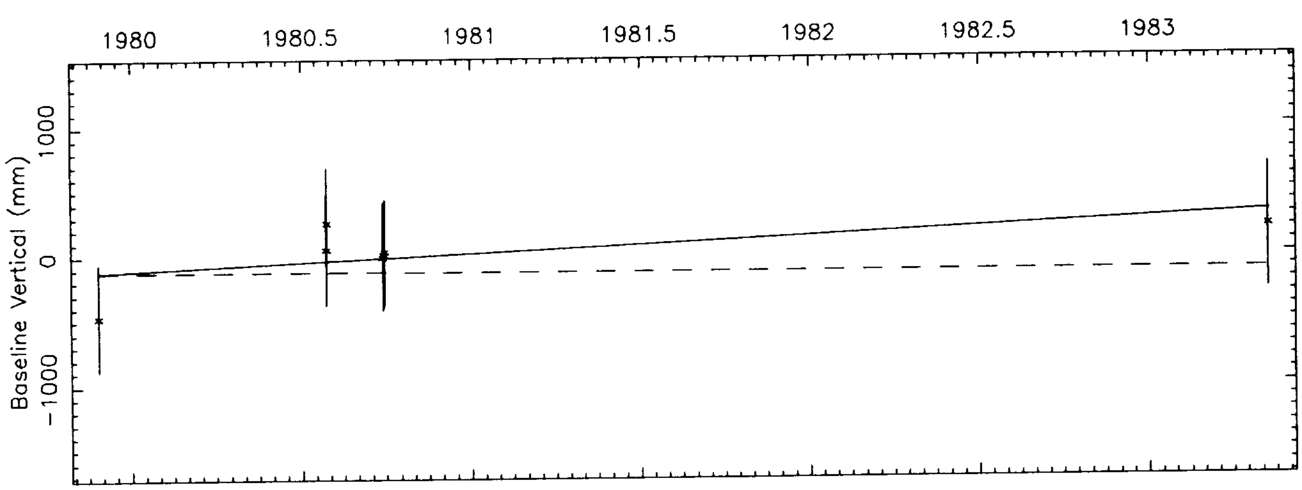
Reduced Chi square = 1.06



Observed Rate = 174.4 ± 396.2 mm/yr
NUVEL model rate = −6.9 mm/yr

Wrms of fit = 589.0 mm

Reduced Chi square = 2.63



Observed Rate = 126.9 ± 88.3 mm/yr
NUVEL model rate = −1.2 mm/yr

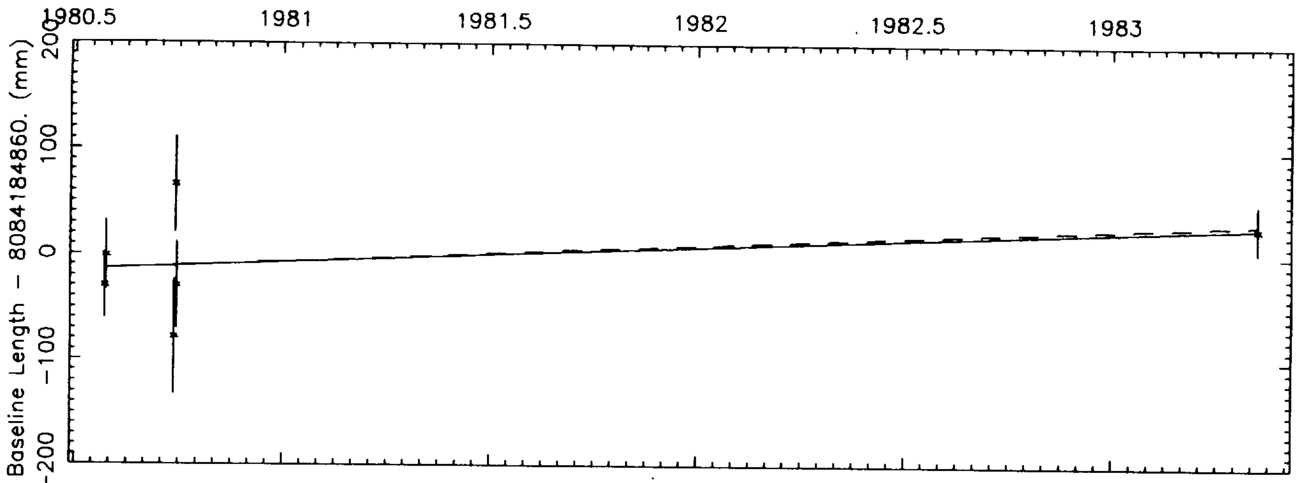
Wrms of fit = 182.0 mm

Reduced Chi square = .26

Vector baseline plots for EFLSBERG-HRAS 085

Baseline length = 8084 kilometers

Number of sessions = 6



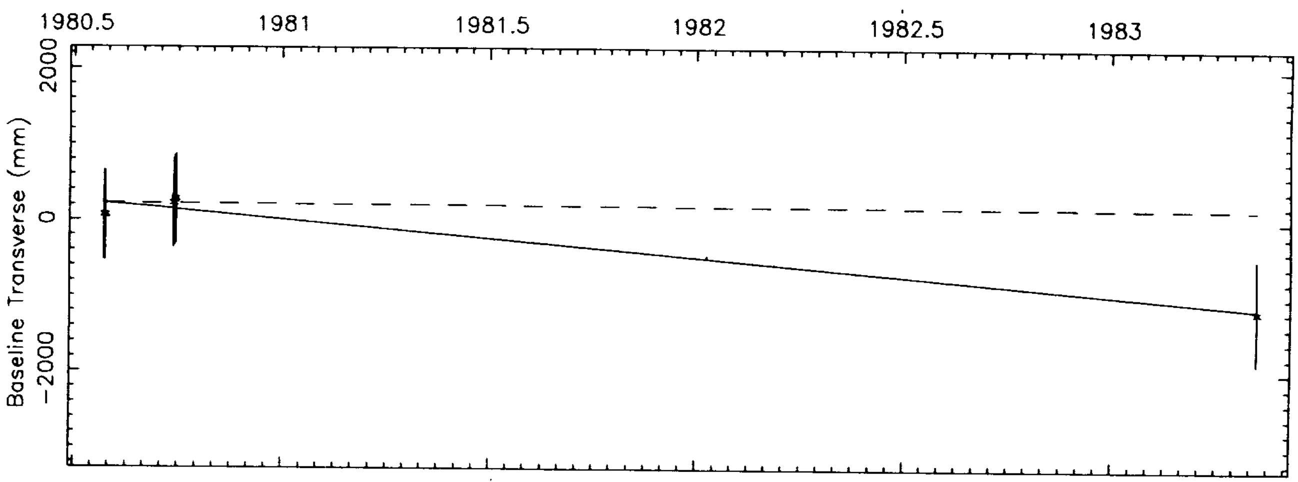
Observed Rate = 15.2 ± 11.9 mm/yr

NUVEL model rate = 16.4 mm/yr

Wrms of fit = 31.0 mm

Weighted mean length = 8084184861.7 mm

Reduced Chi square = 1.26

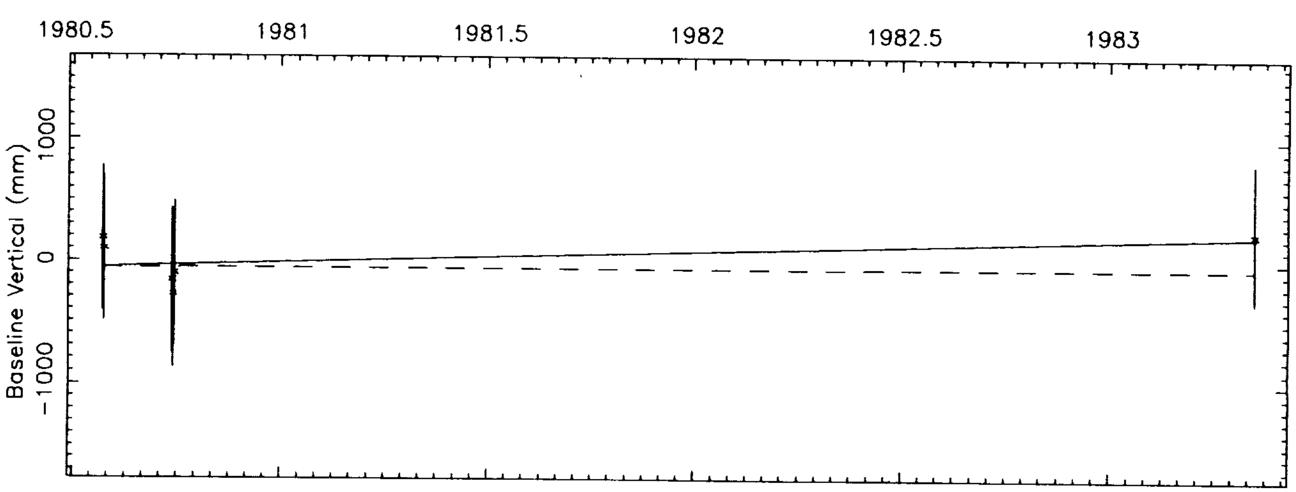


Observed Rate = −492.6± 70.9 mm/yr

NUVEL model rate = −18.3 mm/yr

Wrms of fit = 126.9 mm

Reduced Chi square = .07



Observed Rate = 101.5 ± 78.7 mm/yr

NUVEL model rate = 3.7 mm/yr

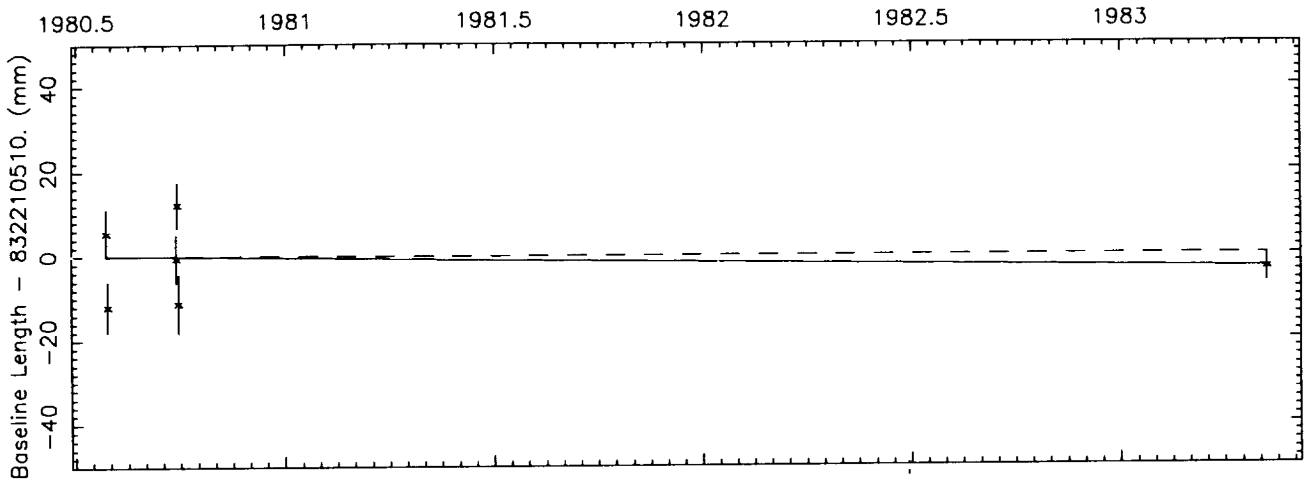
Wrms of fit = 161.4 mm

Reduced Chi square = .11

Vector baseline plots for EFLSBERG–ONSALA60

Baseline length = 832 kilometers

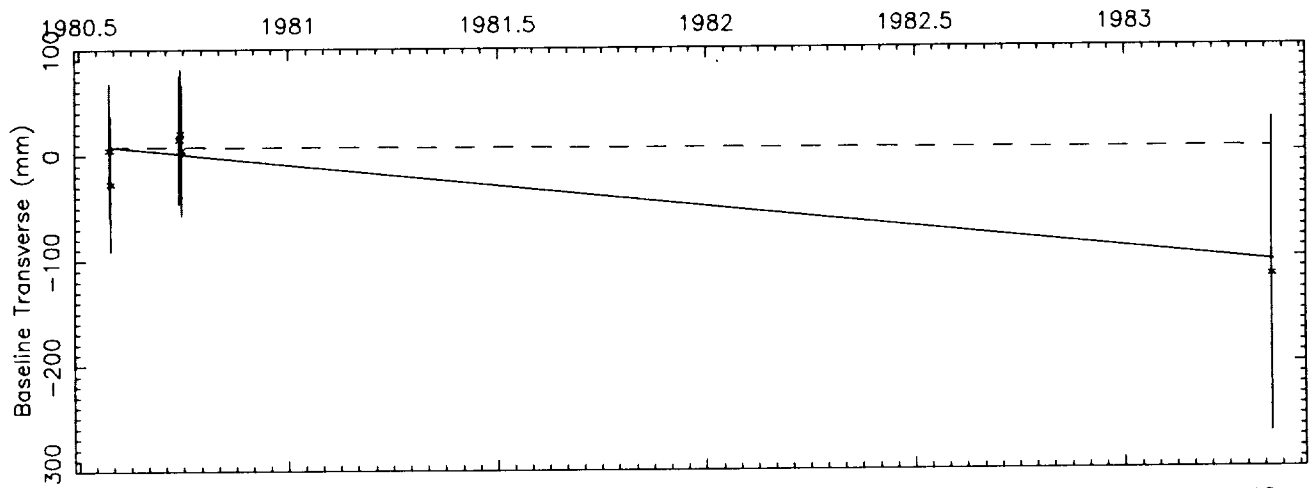
Number of sessions = 6



Observed Rate = –1.2 ± 2.8 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 7.3 mm
Weighted mean length = 832210508.6 mm

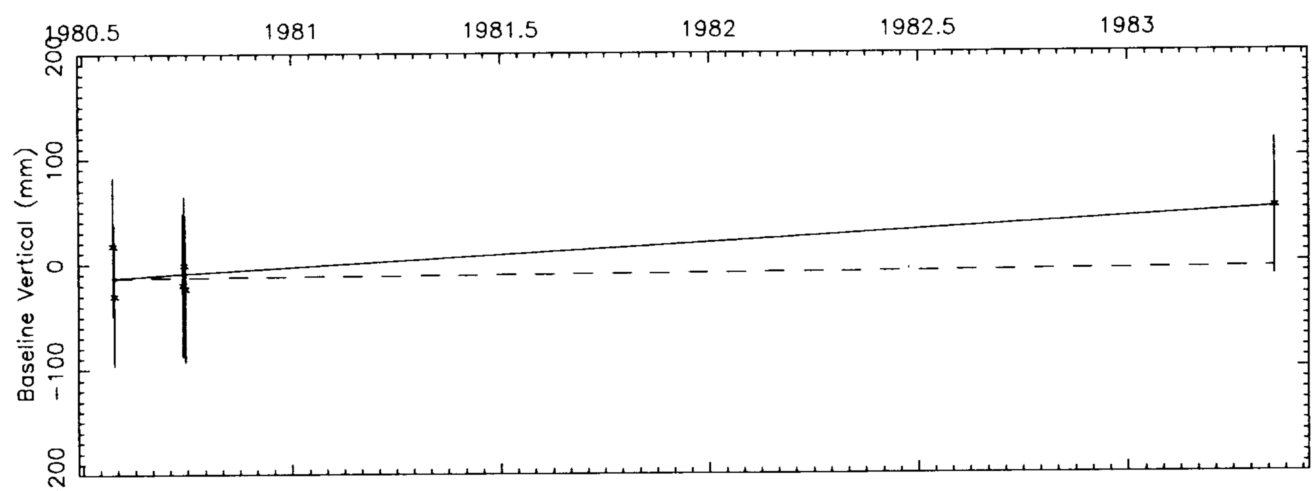
Reduced Chi square = 3.19



Observed Rate = –40.6 ± 19.0 mm/yr
NUVEL model rate = –1.5 mm/yr

Wrms of fit = 18.5 mm

Reduced Chi square = .12



Observed Rate = 22.9 ± 8.0 mm/yr
NUVEL model rate = 2.8 mm/yr

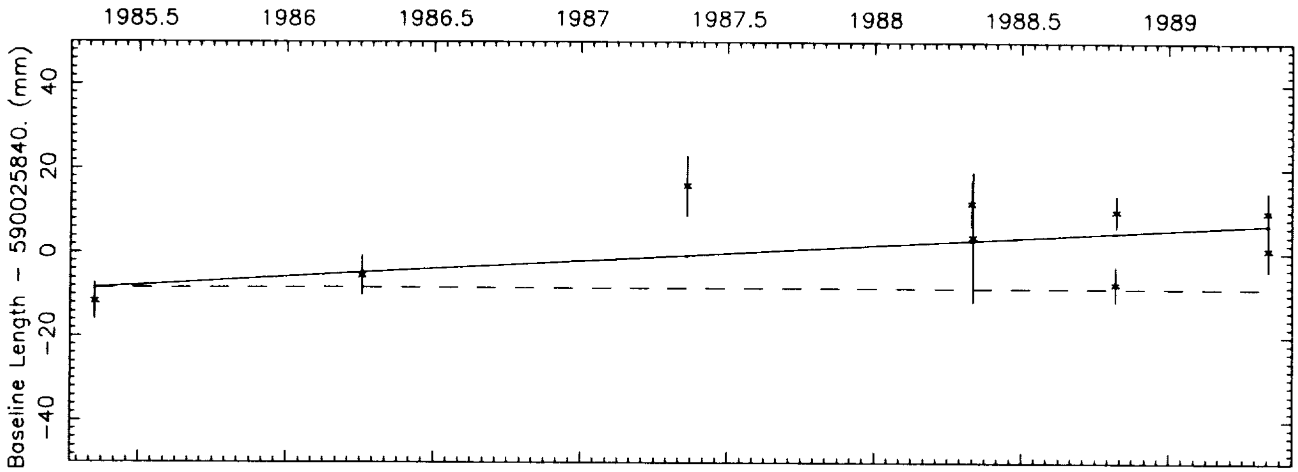
Wrms of fit = 16.2 mm

Reduced Chi square = .09

Vector baseline plots for ELY -HATCREEK

Baseline length = 590 kilometers

Number of sessions = 9



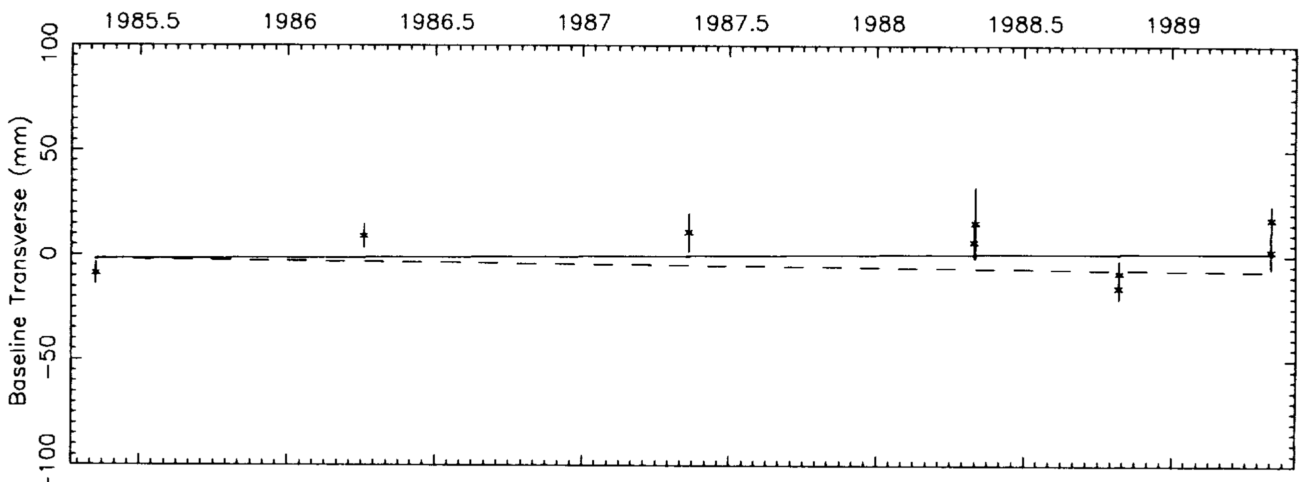
Observed Rate = 3.8 ± 2.0 mm/yr

Wrms of fit = 7.5 mm

Reduced Chi square = 2.88

NUVEL model rate = .0 mm/yr

Weighted mean length = 590025841.6 mm

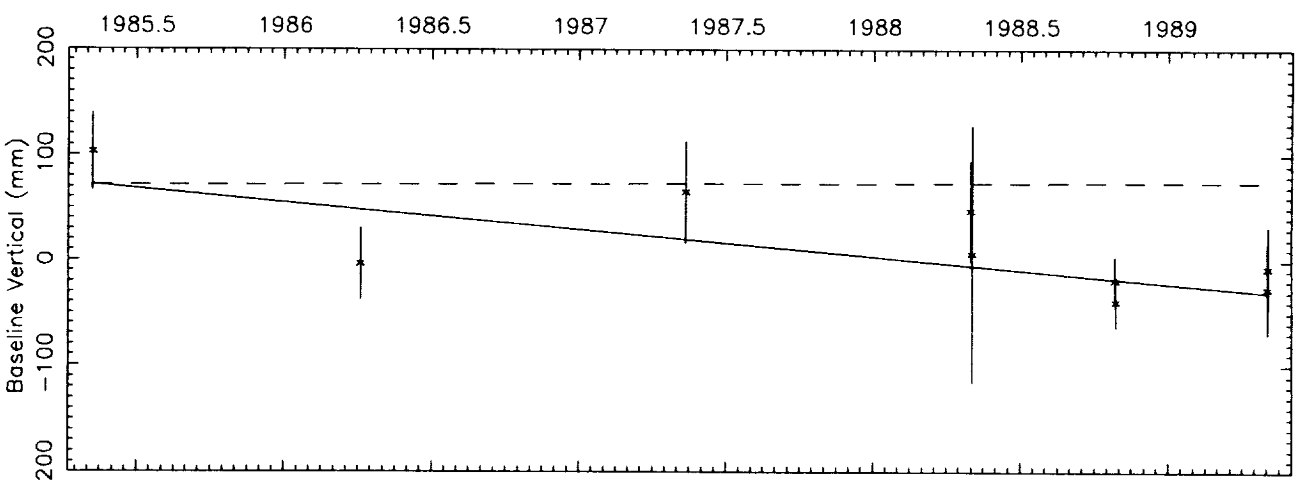


Observed Rate = .8 ± 2.8 mm/yr

Wrms of fit = 11.1 mm

Reduced Chi square = 3.40

NUVEL model rate = -1.4 mm/yr



Observed Rate = -25.6 ± 8.5 mm/yr

Wrms of fit = 29.2 mm

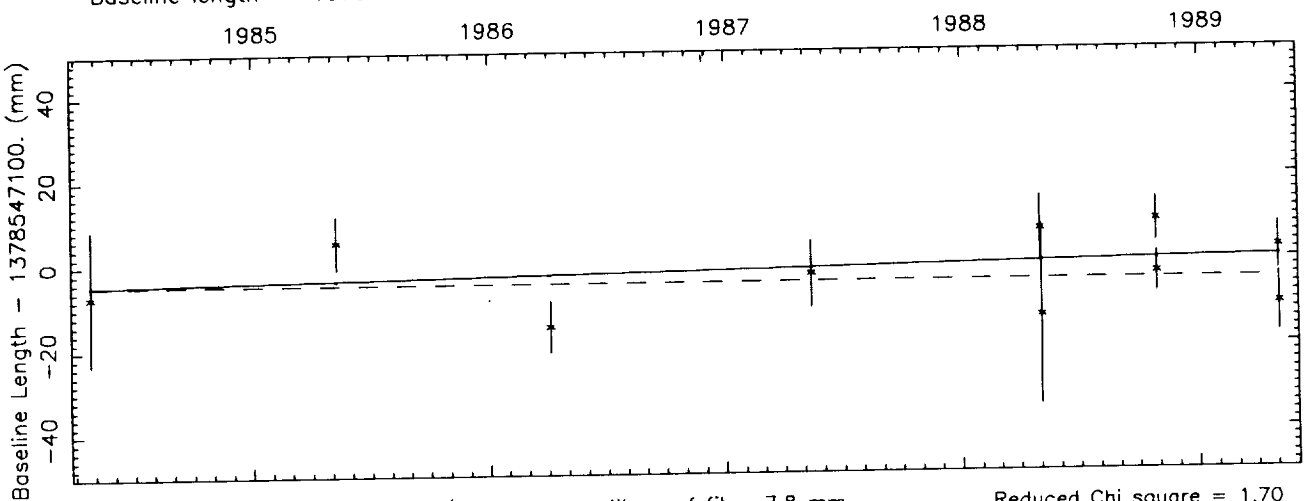
Reduced Chi square = .90

NUVEL model rate = .9 mm/yr

Vector baseline plots for ELY -HRAS 085

Baseline length = 1379 kilometers

Number of sessions = 10



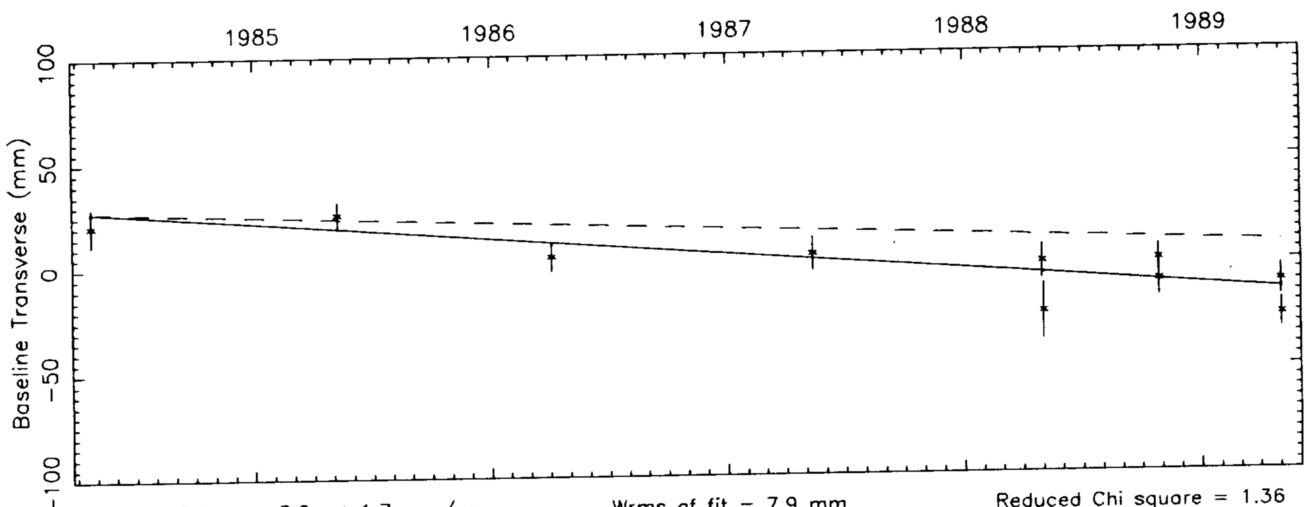
Observed Rate = 1.0 ± 1.9 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 7.8 mm

Weighted mean length = 1378547099.0 mm

Reduced Chi square = 1.70

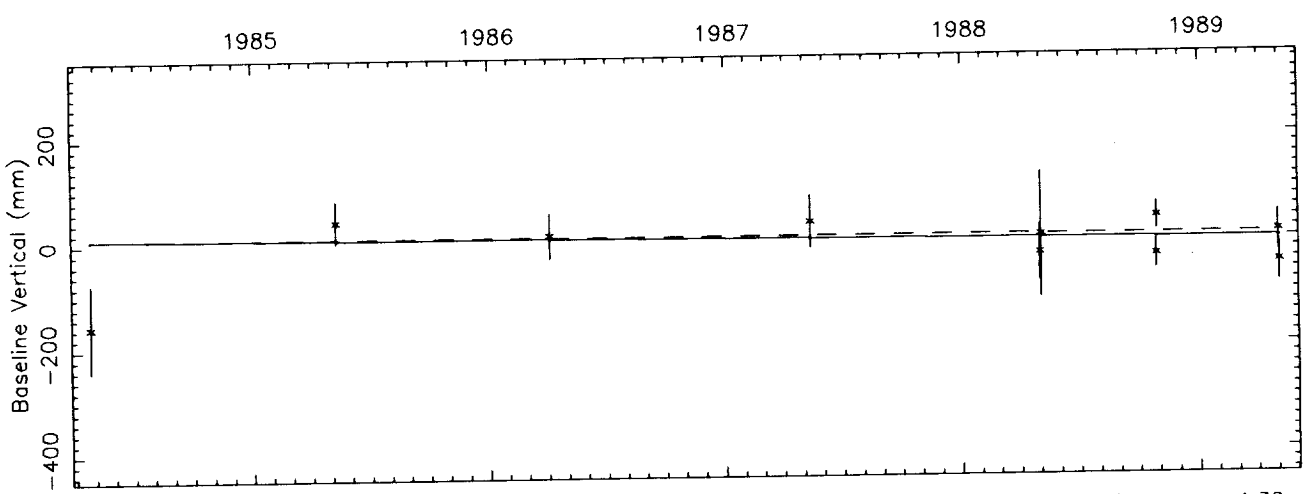


Observed Rate = -8.2 ± 1.7 mm/yr

NUVEL model rate = -3.8 mm/yr

Wrms of fit = 7.9 mm

Reduced Chi square = 1.36



Observed Rate = -2.6 ± 10.4 mm/yr

NUVEL model rate = -.7 mm/yr

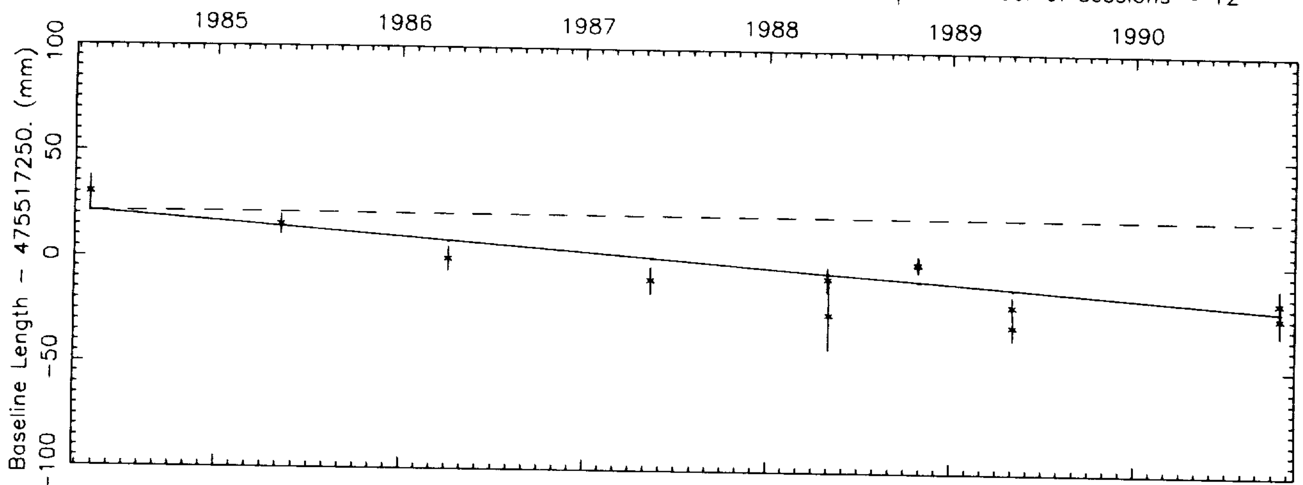
Wrms of fit = 41.1 mm

Reduced Chi square = 1.32

Vector baseline plots for ELY —MOJAVE12

Baseline length = 476 kilometers

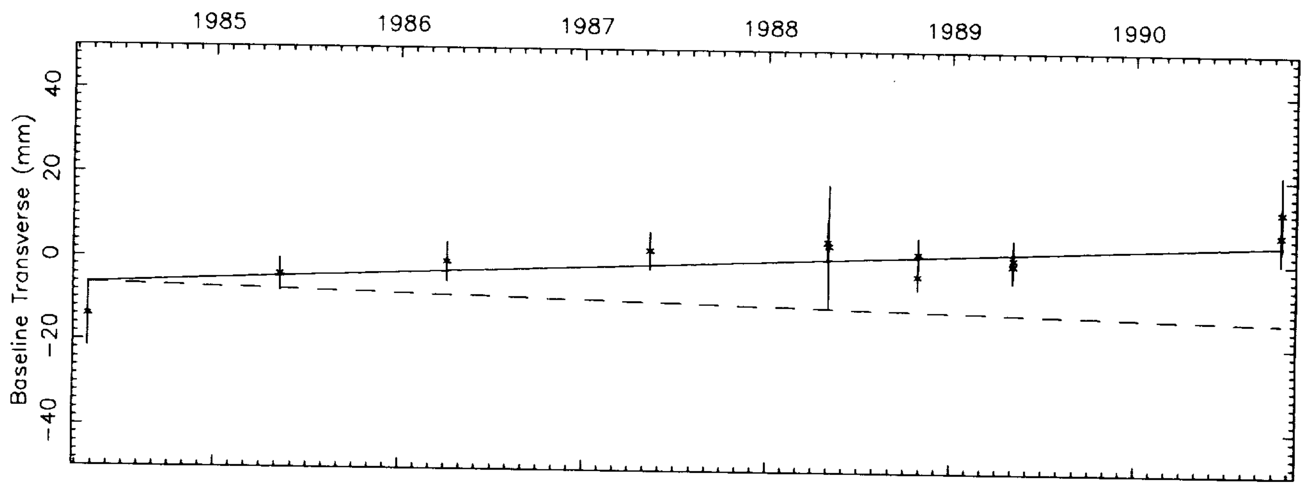
Number of sessions = 12



Observed Rate = -6.6 ± 1.6 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 8.5 mm
Weighted mean length = 475517245.8 mm

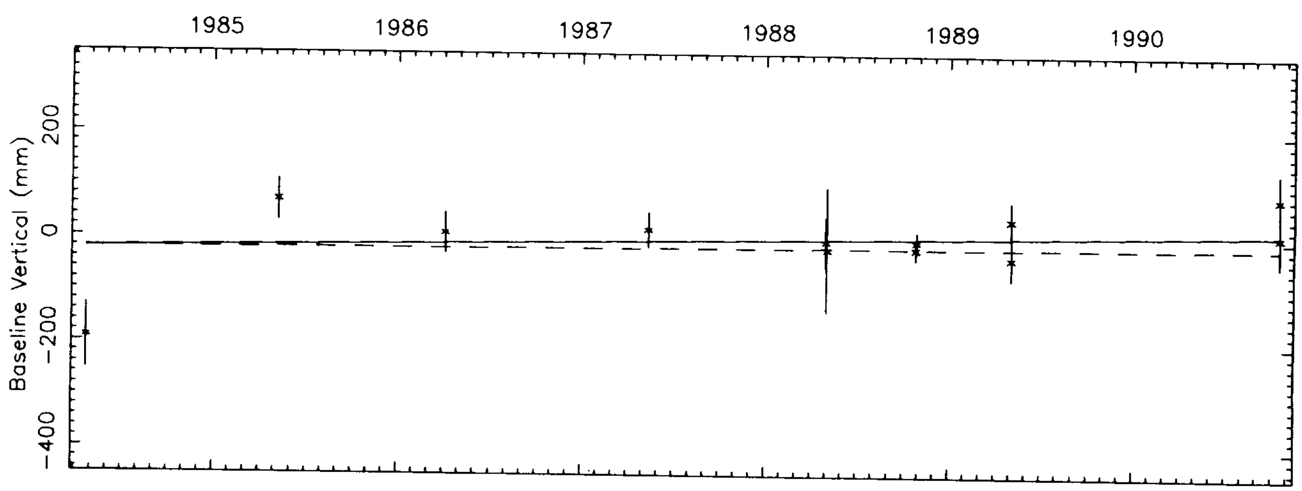
Reduced Chi square = 2.89



Observed Rate = 1.7 ± .7 mm/yr
NUVEL model rate = -1.2 mm/yr

Wrms of fit = 3.4 mm

Reduced Chi square = .62



Observed Rate = 5.3 ± 9.3 mm/yr
NUVEL model rate = 1.2 mm/yr

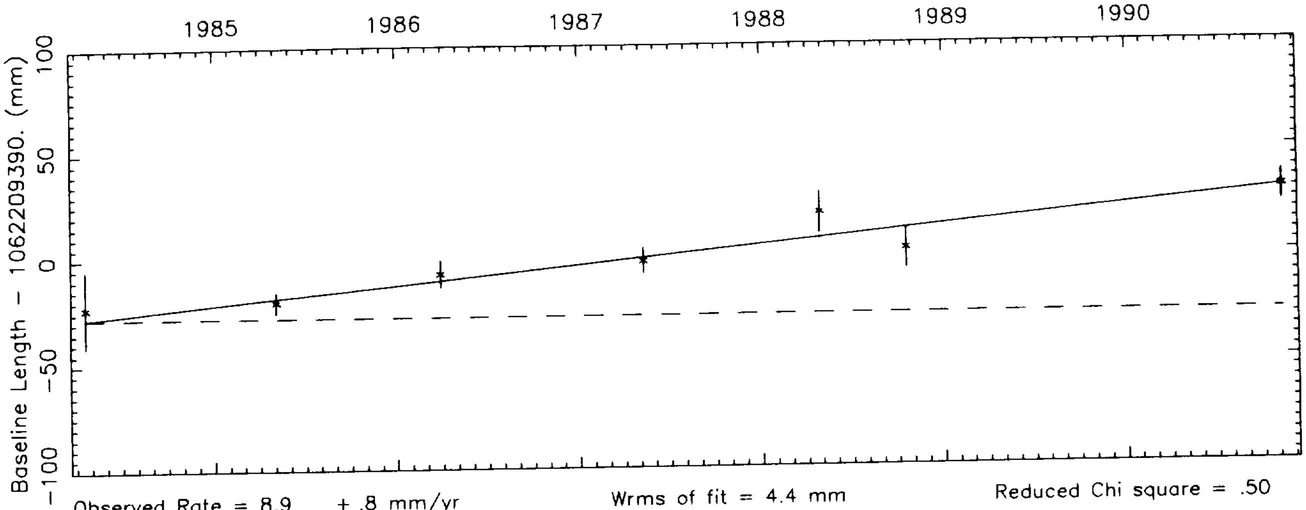
Wrms of fit = 41.2 mm

Reduced Chi square = 1.83

Vector baseline plots for FLAGSTAF–HATCREEK

Baseline length = 1062 kilometers

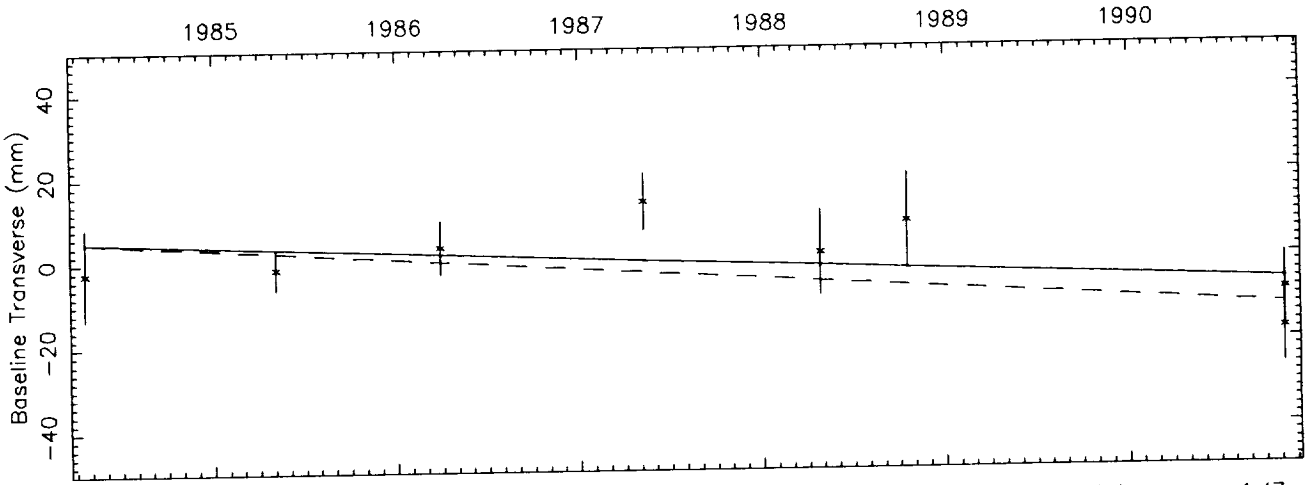
Number of sessions = 8



Observed Rate = 8.9 ± .8 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 4.4 mm
Weighted mean length = 1062209391.9 mm

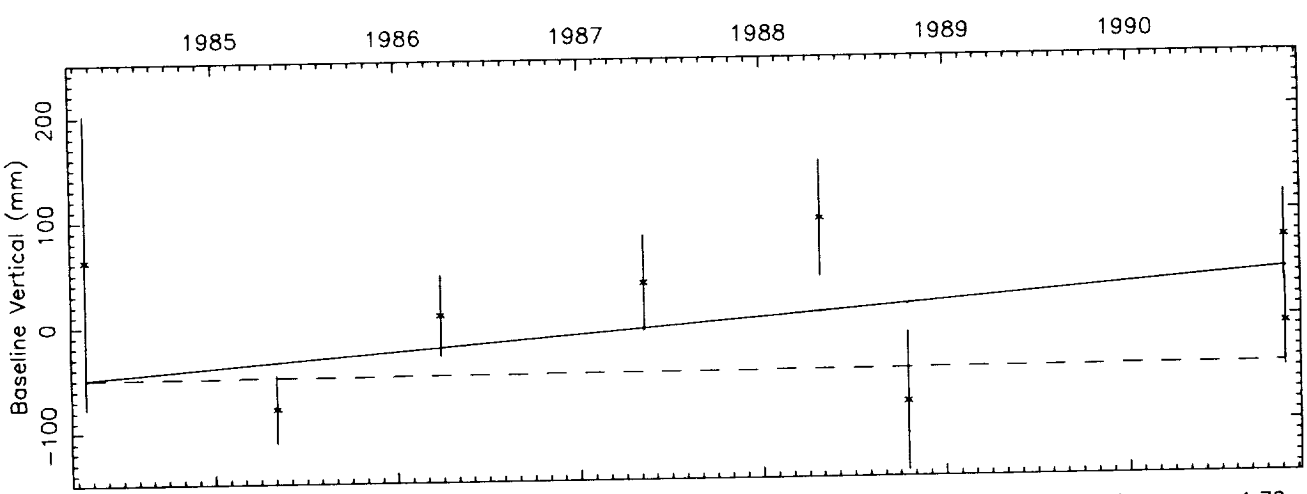
Reduced Chi square = .50



Observed Rate = −1.7 ± 1.5 mm/yr
NUVEL model rate = −2.6 mm/yr

Wrms of fit = 7.9 mm

Reduced Chi square = 1.47



Observed Rate = 14.3 ± 9.6 mm/yr
NUVEL model rate = .6 mm/yr

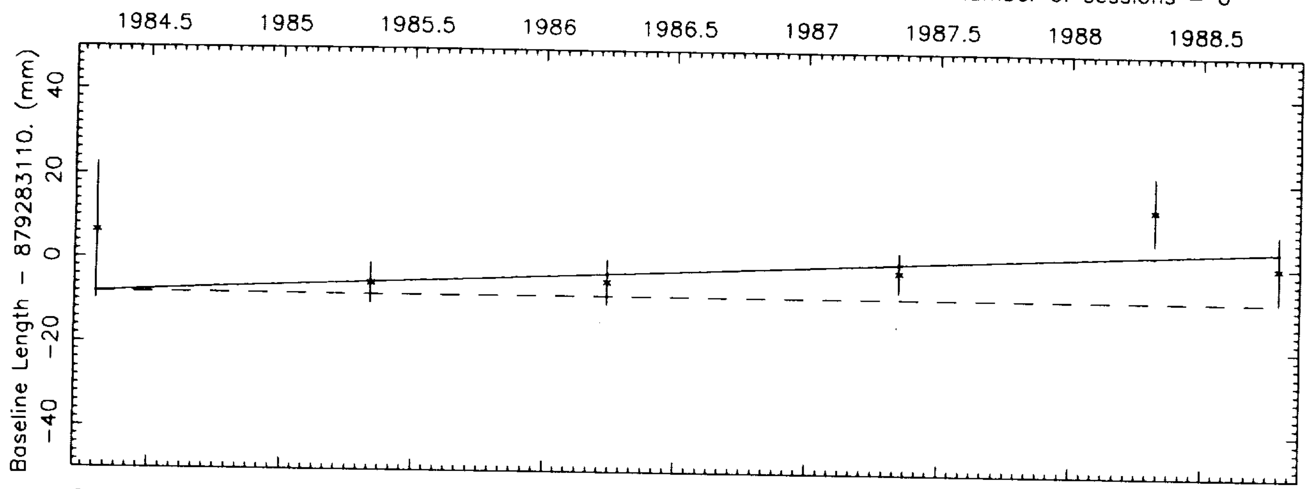
Wrms of fit = 52.4 mm

Reduced Chi square = 1.78

Vector baseline plots for FLAGSTAF–HRAS 085

Baseline length = 879 kilometers

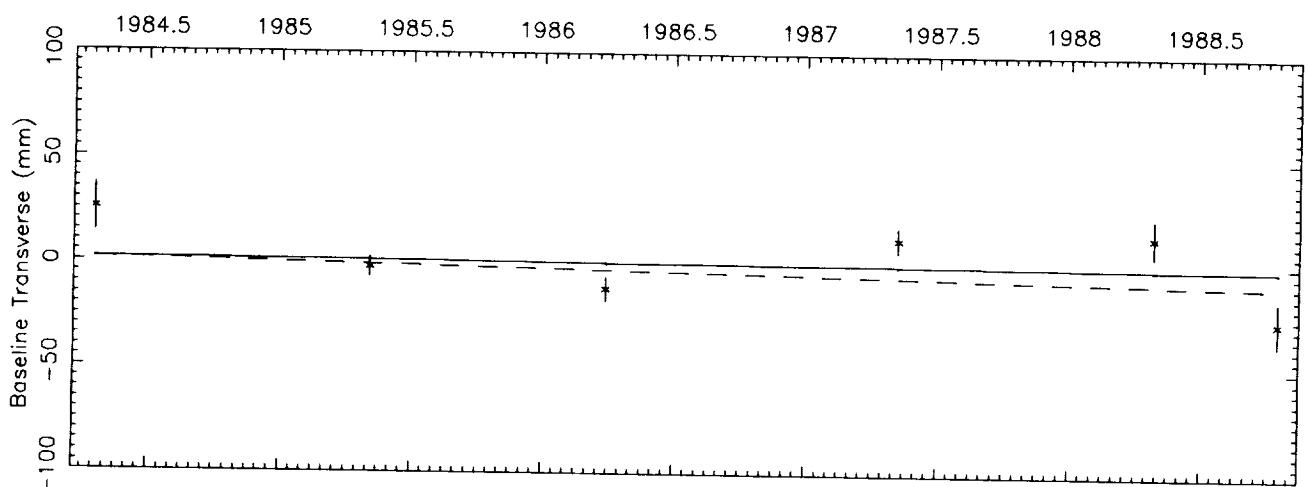
Number of sessions = 6



Observed Rate = 2.6 ± 1.8 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 4.4 mm
Weighted mean length = 879283108.3 mm

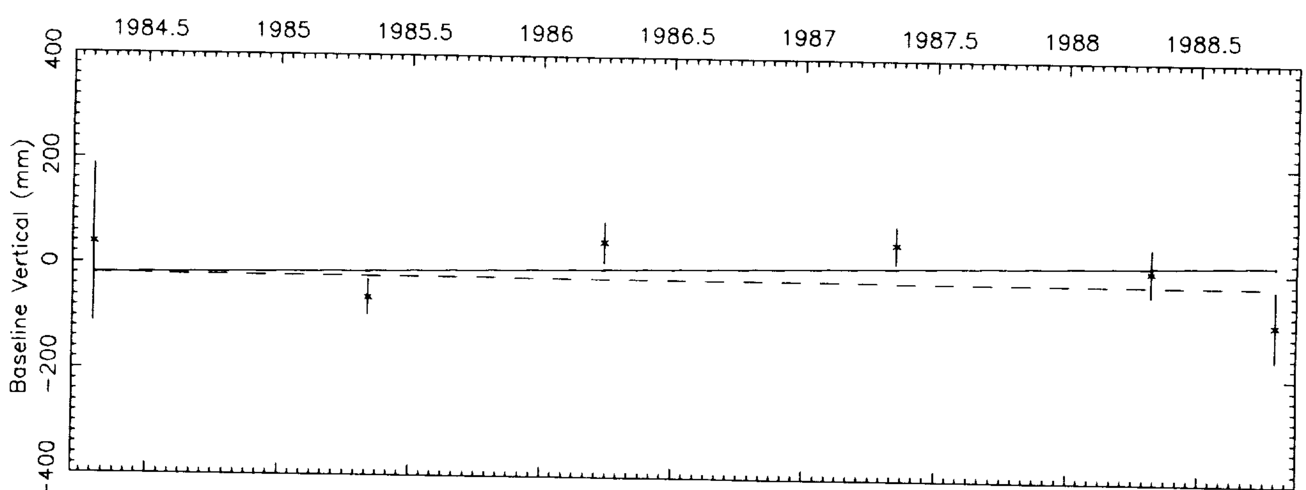
Reduced Chi square = .78



Observed Rate = −.7 ± 5.1 mm/yr
NUVEL model rate = −2.5 mm/yr

Wrms of fit = 12.9 mm

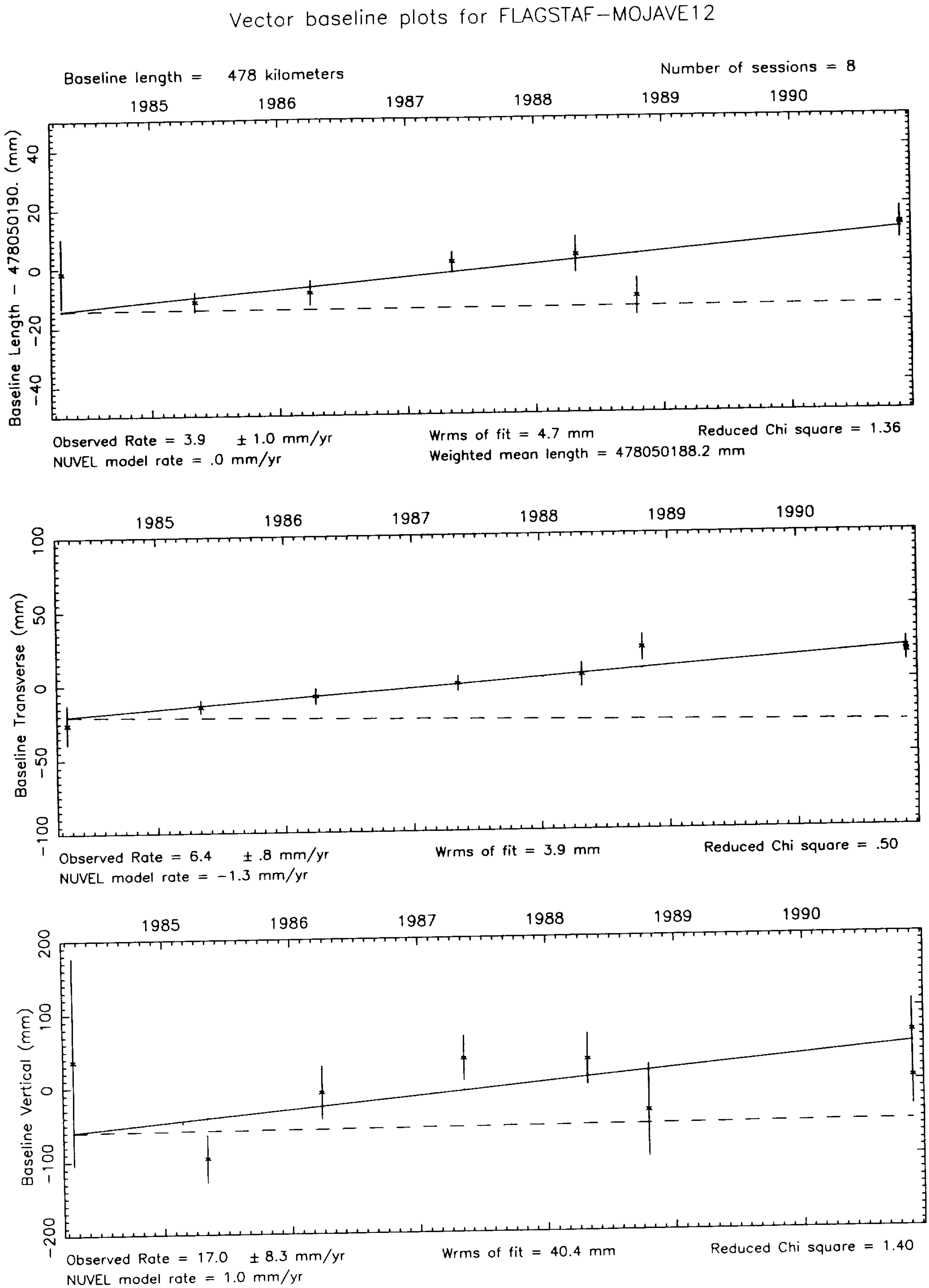
Reduced Chi square = 5.55



Observed Rate = 8.1 ± 21.4 mm/yr
NUVEL model rate = −.8 mm/yr

Wrms of fit = 51.9 mm

Reduced Chi square = 2.10

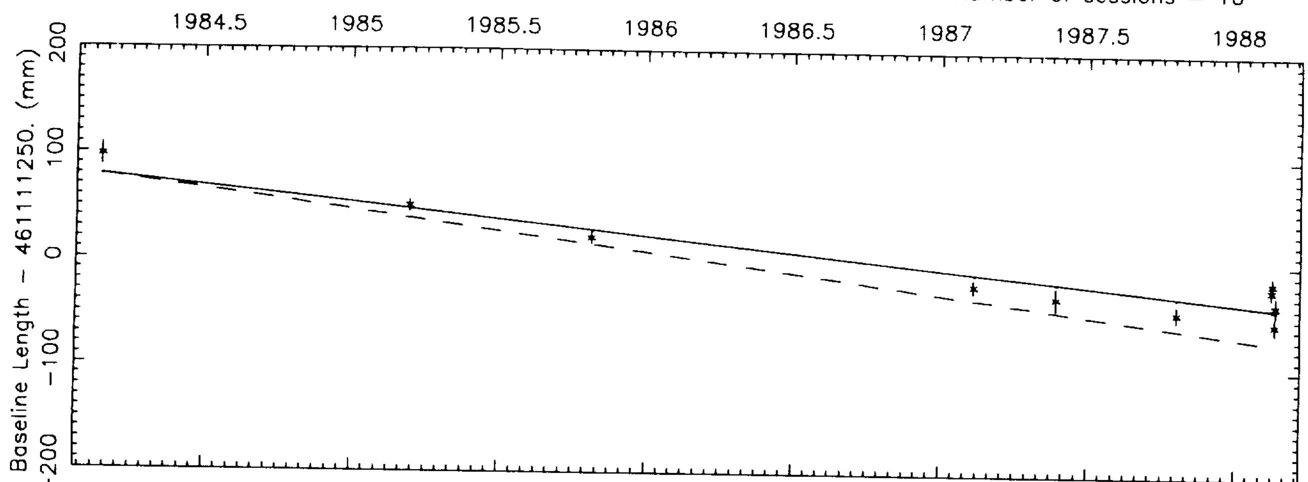


Vector baseline plots for FLAGSTAF−MOJAVE12
Baseline length = 478 kilometers
Number of sessions = 8
1985
1986
1987
1988
1989
1990
Baseline Length − 478050190. (mm)
40
20
0
−20
−40
Observed Rate = 3.9 ± 1.0 mm/yr
NUVEL model rate = .0 mm/yr
Wrms of fit = 4.7 mm
Weighted mean length = 478050188.2 mm
Reduced Chi square = 1.36
Baseline Transverse (mm)
100
50
0
−50
−100
Observed Rate = 6.4 ± .8 mm/yr
NUVEL model rate = −1.3 mm/yr
Wrms of fit = 3.9 mm
Reduced Chi square = .50
Baseline Vertical (mm)
200
100
0
−100
−200
Observed Rate = 17.0 ± 8.3 mm/yr
NUVEL model rate = 1.0 mm/yr
Wrms of fit = 40.4 mm
Reduced Chi square = 1.40

Vector baseline plots for FORT ORD–HATCREEK

Baseline length = 461 kilometers

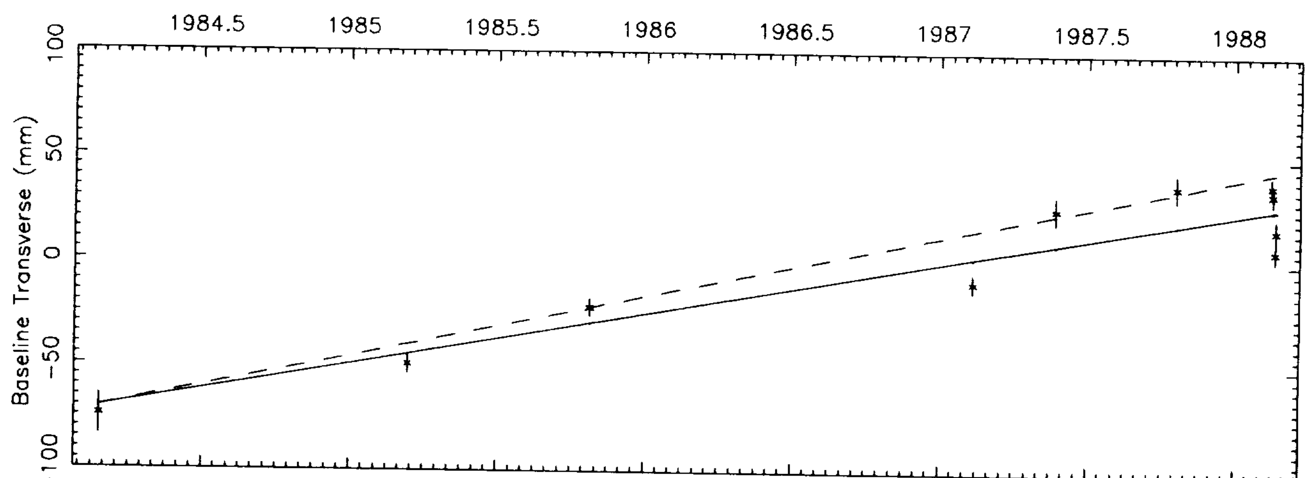
Number of sessions = 10



Observed Rate = –29.8 ± 3.6 mm/yr
NUVEL model rate = –38.0 mm/yr

Wrms of fit = 13.2 mm
Weighted mean length = 461111249.0 mm

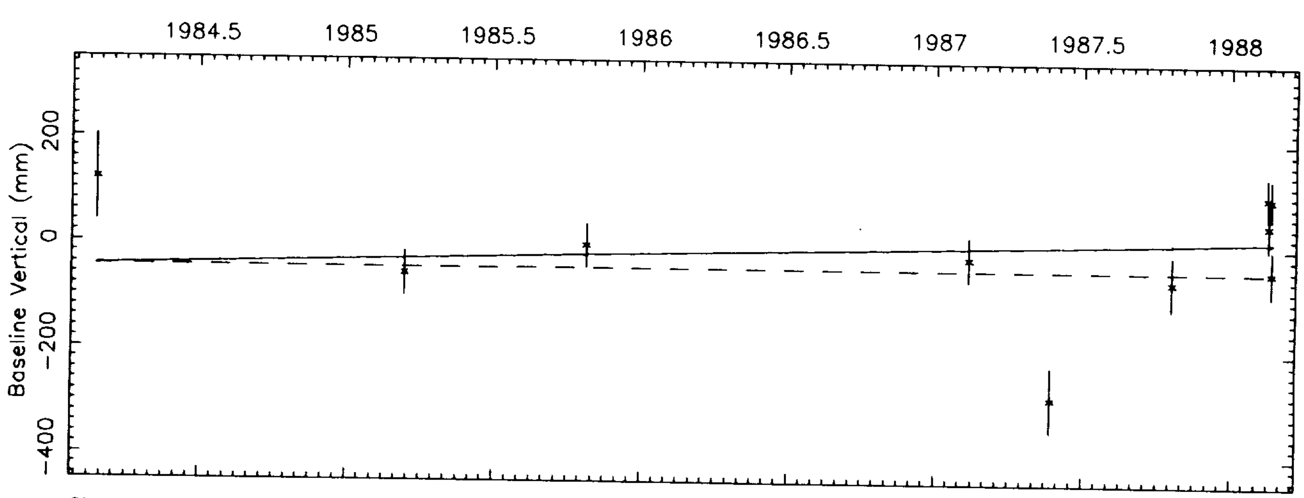
Reduced Chi square = 4.26



Observed Rate = 24.5 ± 3.5 mm/yr
NUVEL model rate = 28.9 mm/yr

Wrms of fit = 12.0 mm

Reduced Chi square = 7.03



Observed Rate = 14.7 ± 26.9 mm/yr
NUVEL model rate = .4 mm/yr

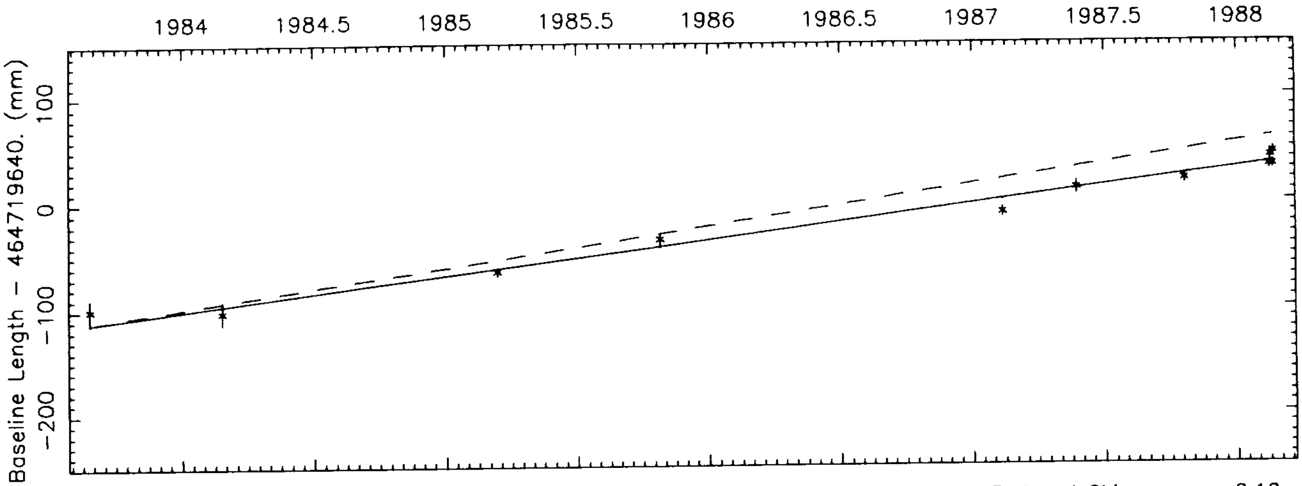
Wrms of fit = 91.4 mm

Reduced Chi square = 5.10

Vector baseline plots for FORT ORD–MOJAVE12

Baseline length = 465 kilometers

Number of sessions = 11



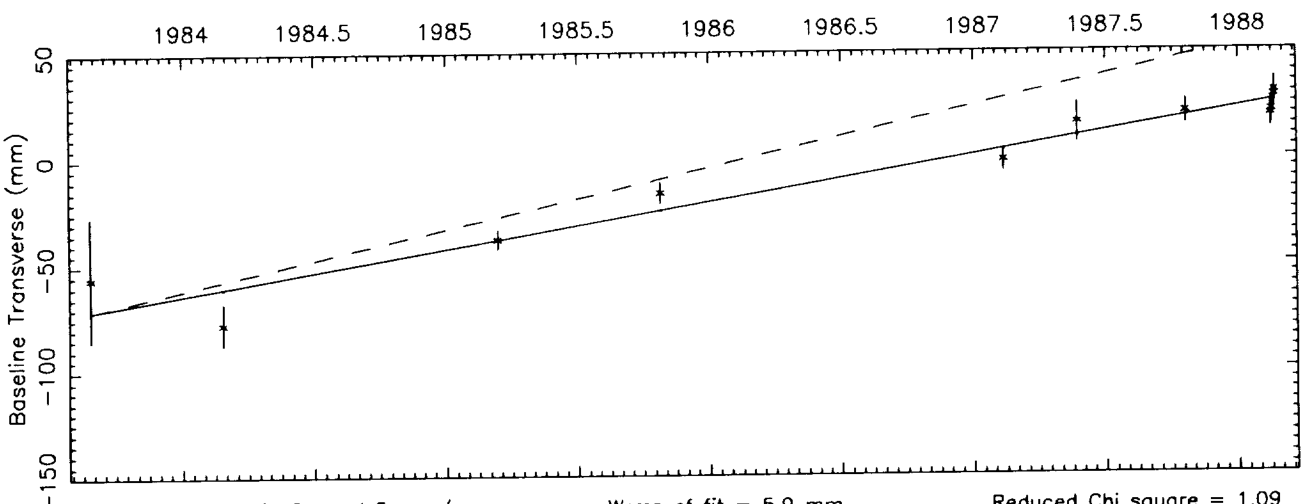
Observed Rate = 32.8 ± 1.6 mm/yr

NUVEL model rate = 38.3 mm/yr

Wrms of fit = 6.2 mm

Weighted mean length = 464719642.9 mm

Reduced Chi square = 2.12

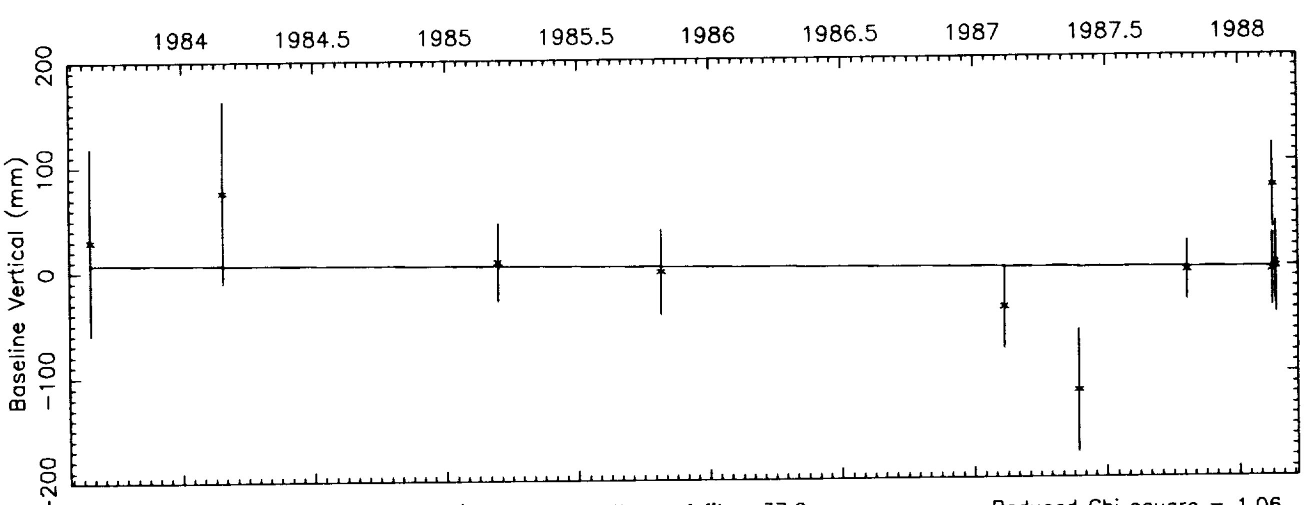


Observed Rate = 21.6 ± 1.5 mm/yr

NUVEL model rate = 28.5 mm/yr

Wrms of fit = 5.9 mm

Reduced Chi square = 1.09



Observed Rate = –2.0 ± 10.4 mm/yr

NUVEL model rate = –1.8 mm/yr

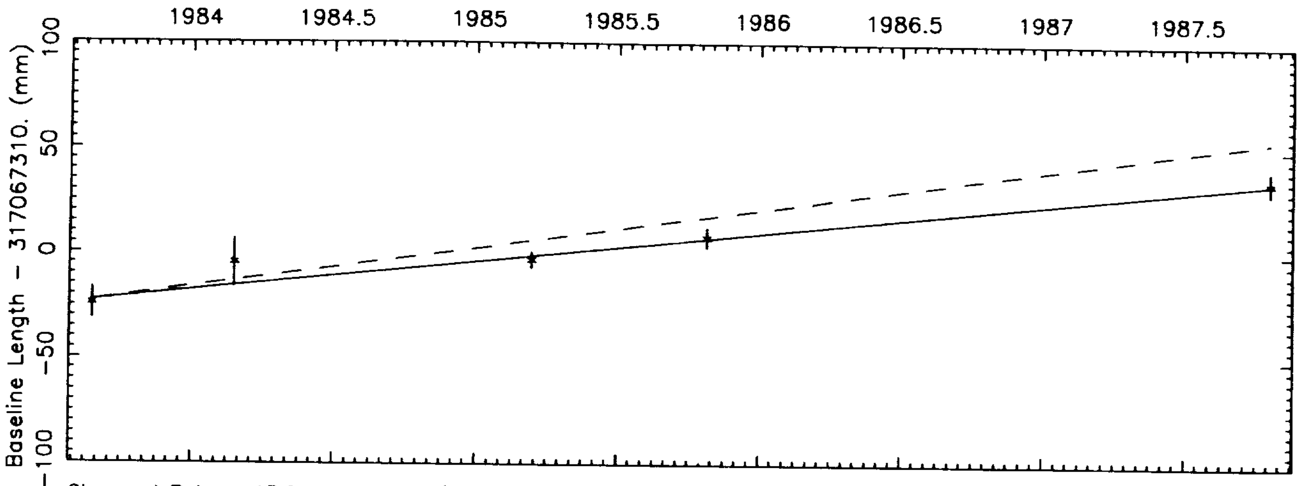
Wrms of fit = 37.9 mm

Reduced Chi square = 1.06

Vector baseline plots for FORT ORD–OVRO 130

Baseline length = 317 kilometers

Number of sessions = 5



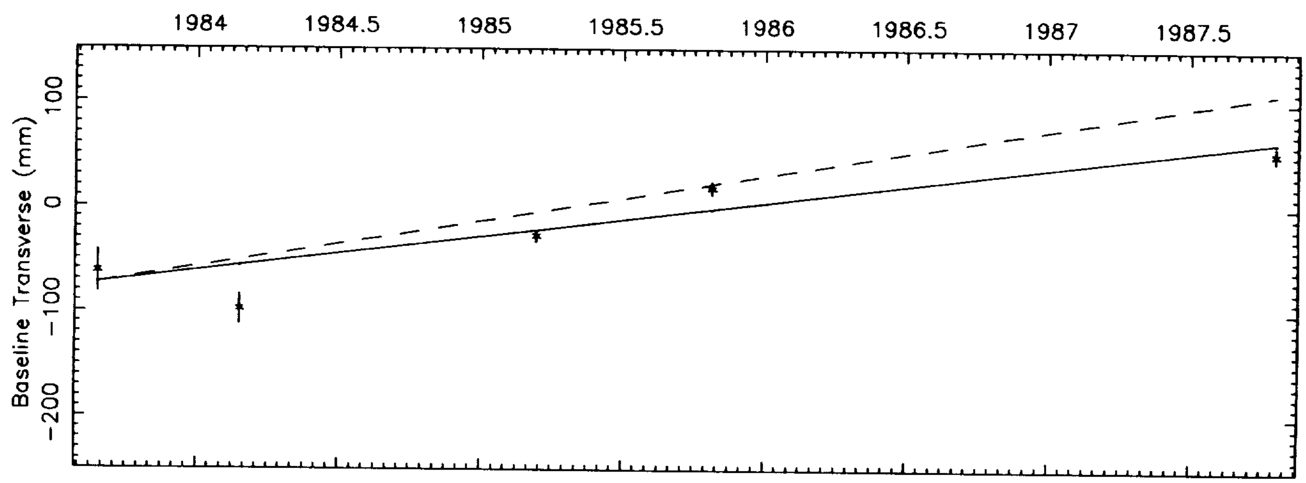
Observed Rate = 13.9 ± 1.3 mm/yr

NUVEL model rate = 18.7 mm/yr

Wrms of fit = 2.7 mm

Weighted mean length = 317067314.5 mm

Reduced Chi square = .40

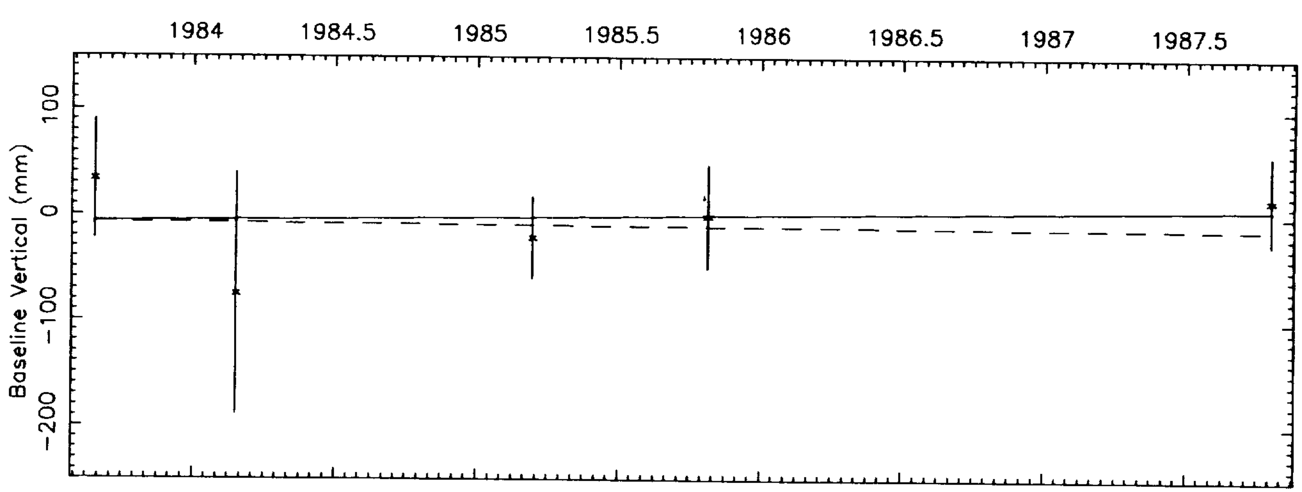


Observed Rate = 32.9 ± 8.2 mm/yr

NUVEL model rate = 43.9 mm/yr

Wrms of fit = 16.6 mm

Reduced Chi square = 7.24



Observed Rate = 3.4 ± 9.8 mm/yr

NUVEL model rate = −1.2 mm/yr

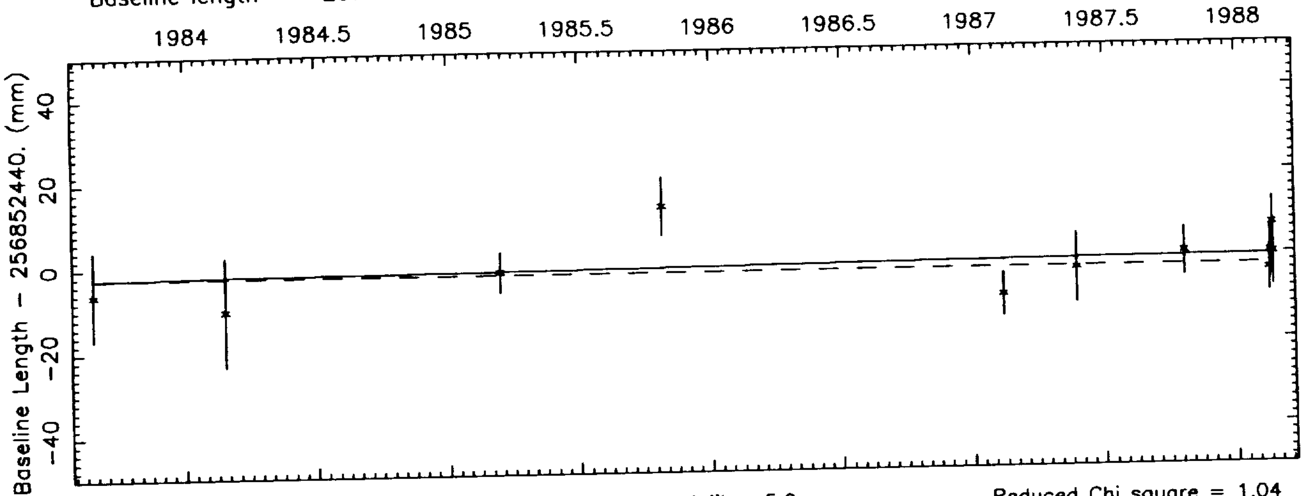
Wrms of fit = 24.1 mm

Reduced Chi square = .39

Vector baseline plots for FORT ORD–VNDNBERG

Baseline length = 257 kilometers

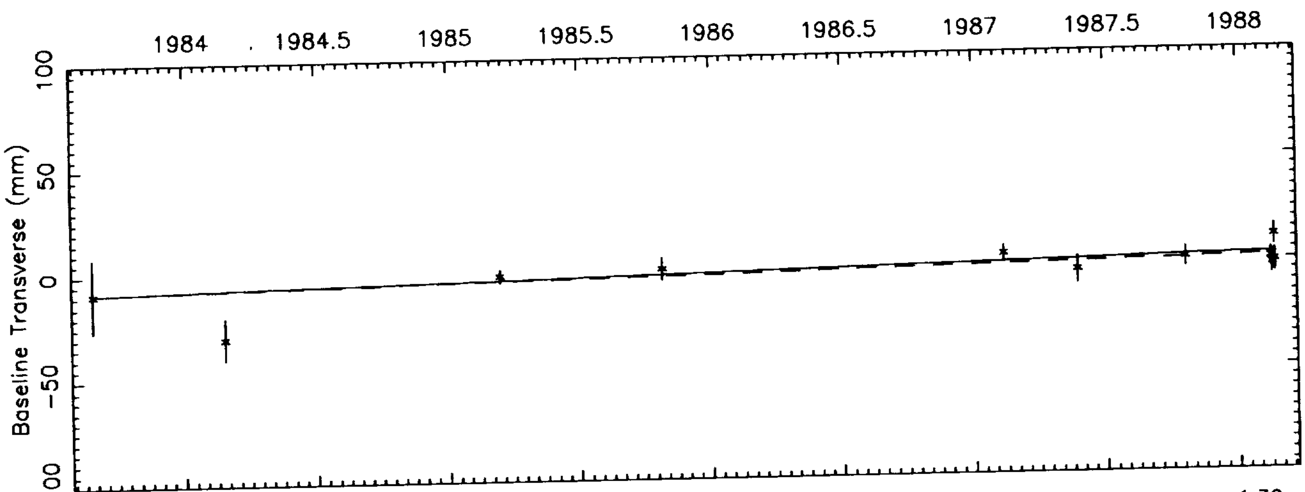
Number of sessions = 11



Observed Rate = .5 ± 1.5 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 5.9 mm
Weighted mean length = 256852439.1 mm

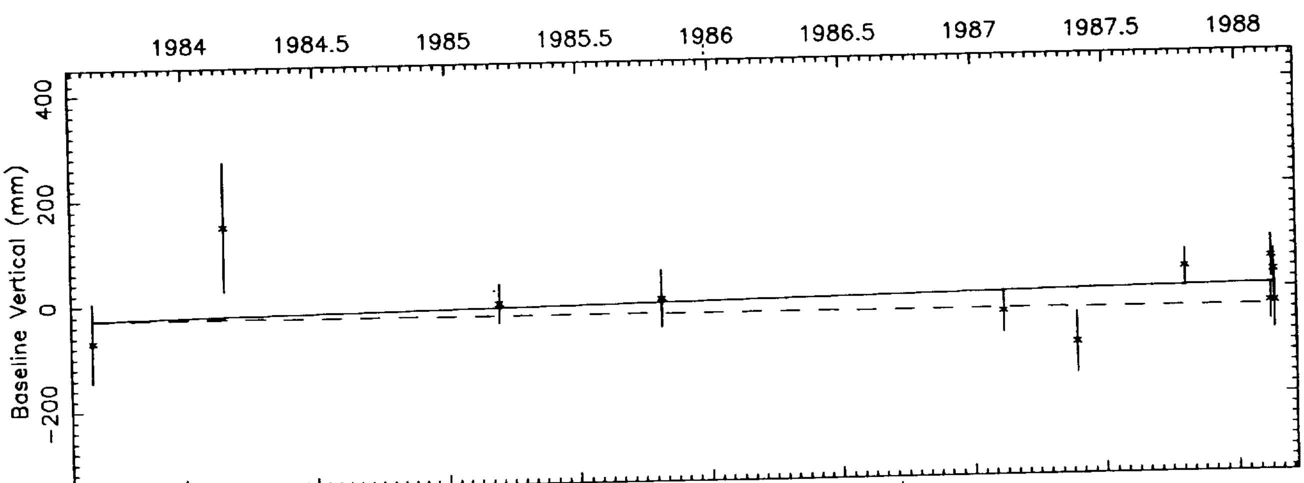
Reduced Chi square = 1.04



Observed Rate = 2.6 ± 1.4 mm/yr
NUVEL model rate = 2.3 mm/yr

Wrms of fit = 5.3 mm

Reduced Chi square = 1.39

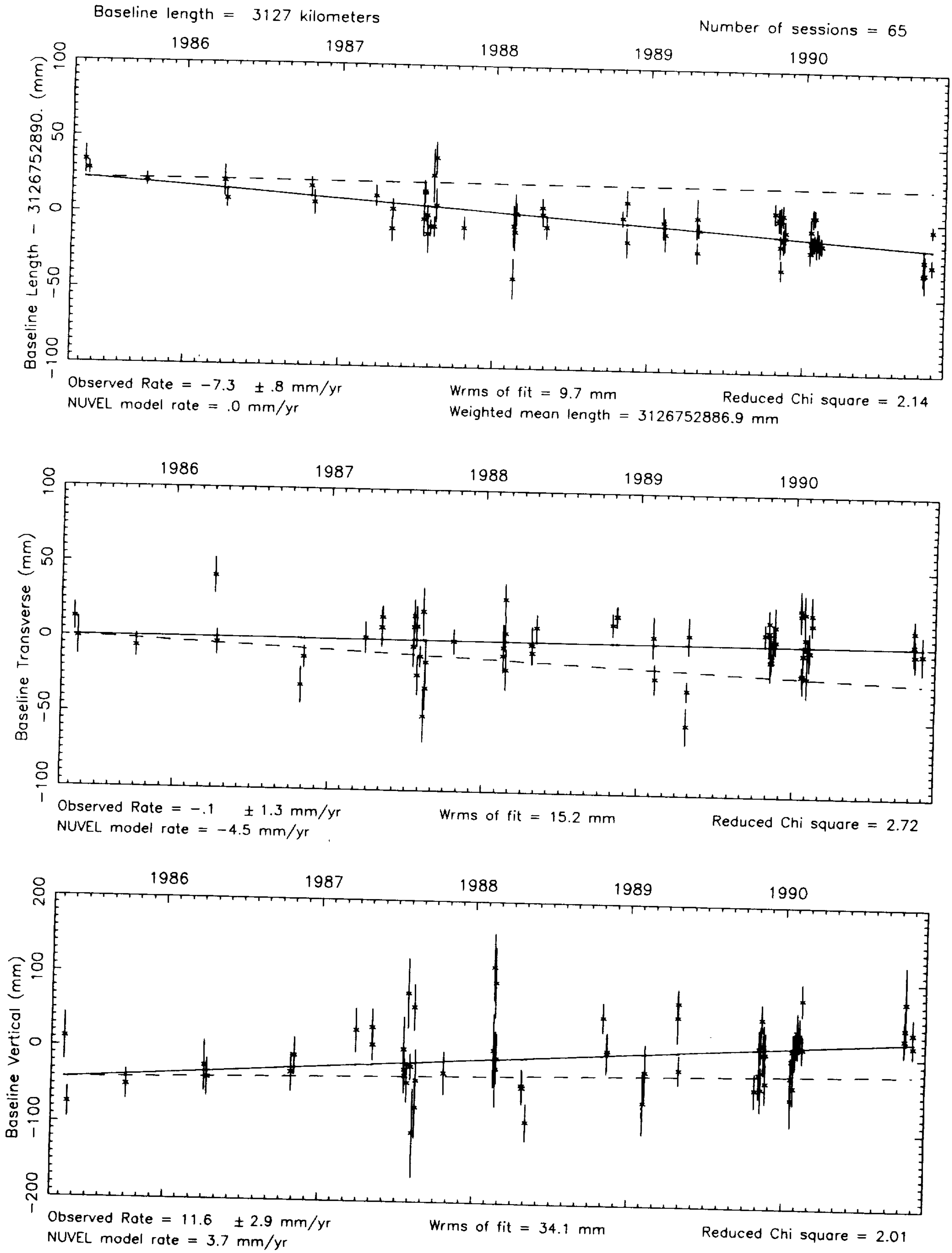


Observed Rate = 7.6 ± 11.7 mm/yr
NUVEL model rate = -1.6 mm/yr

Wrms of fit = 43.9 mm

Reduced Chi square = 1.21

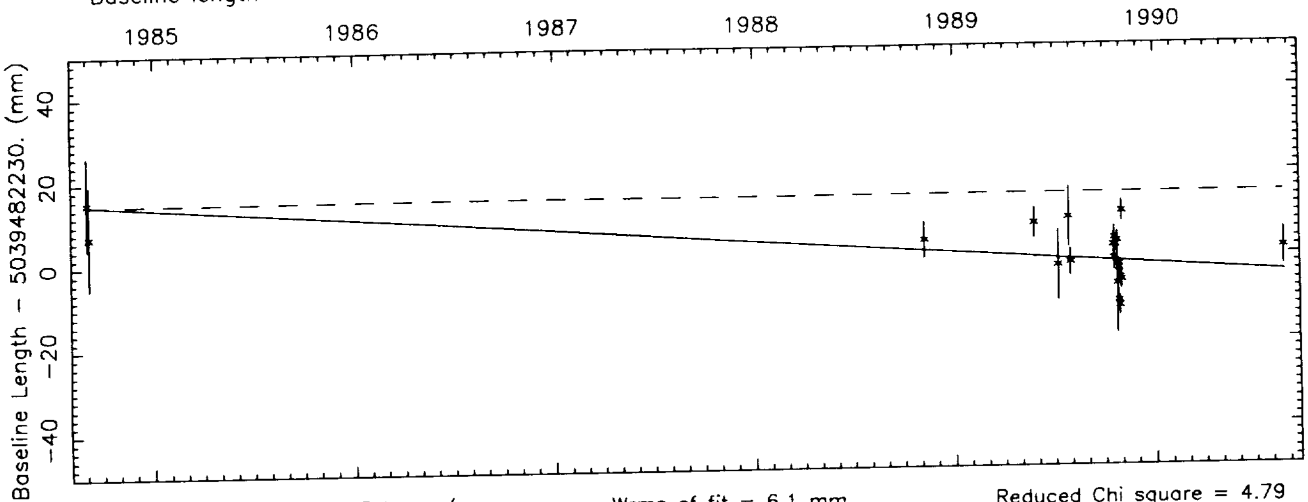
Vector baseline plots for GILCREEK–HATCREEK



Vector baseline plots for GILCREEK–HAYSTACK

Baseline length = 5039 kilometers

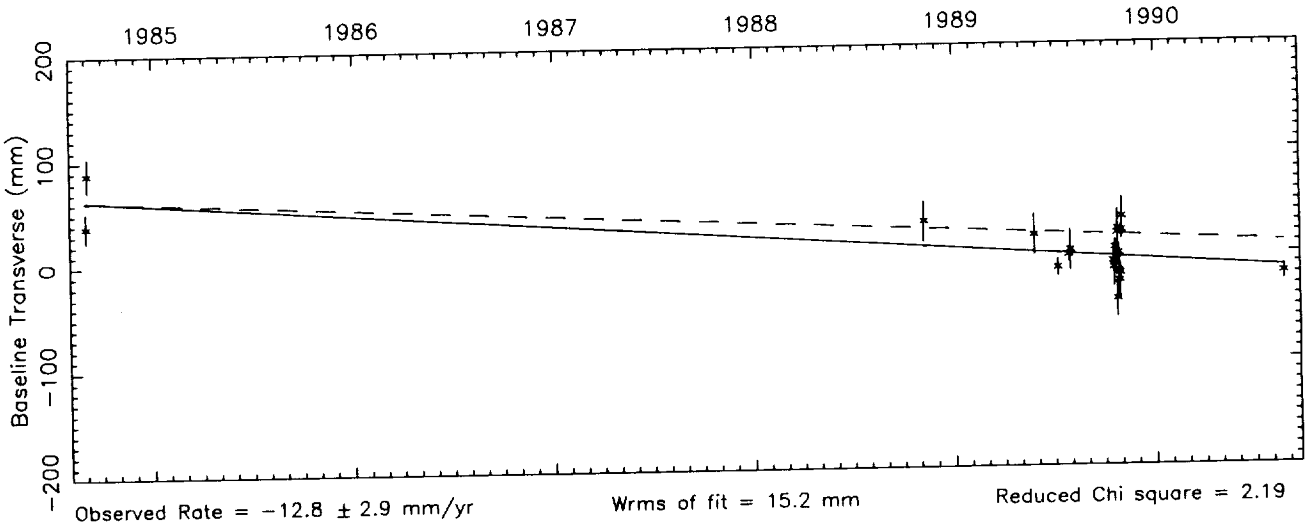
Number of sessions = 21



Observed Rate = −3.2 ± 3.1 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 6.1 mm
Weighted mean length = 5039482228.5 mm

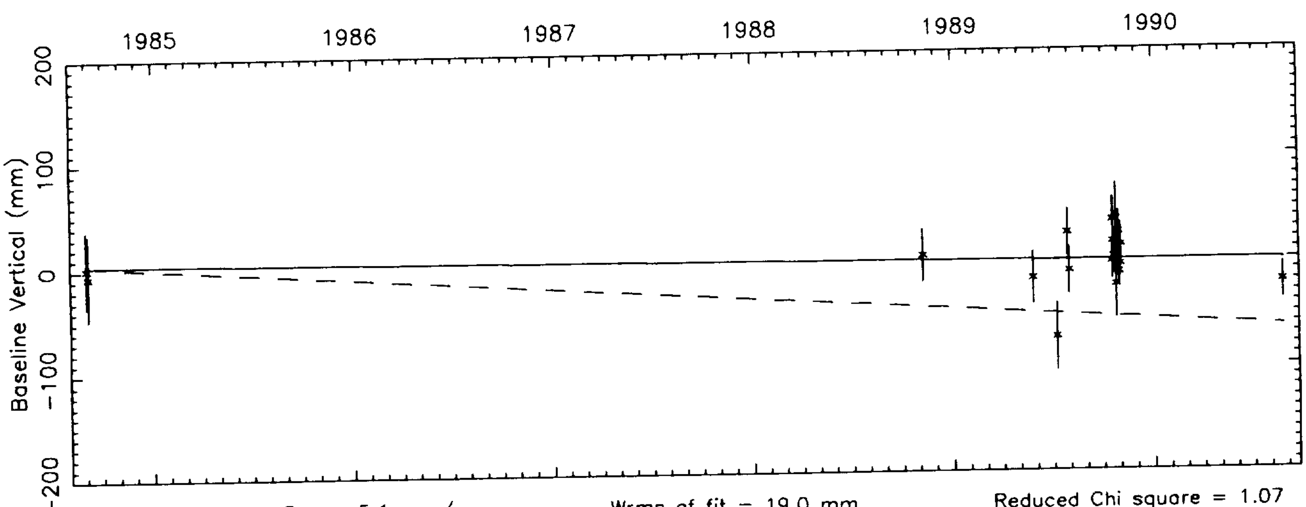
Reduced Chi square = 4.79



Observed Rate = −12.8 ± 2.9 mm/yr
NUVEL model rate = −8.8 mm/yr

Wrms of fit = 15.2 mm

Reduced Chi square = 2.19



Observed Rate = −.8 ± 5.1 mm/yr
NUVEL model rate = −11.3 mm/yr

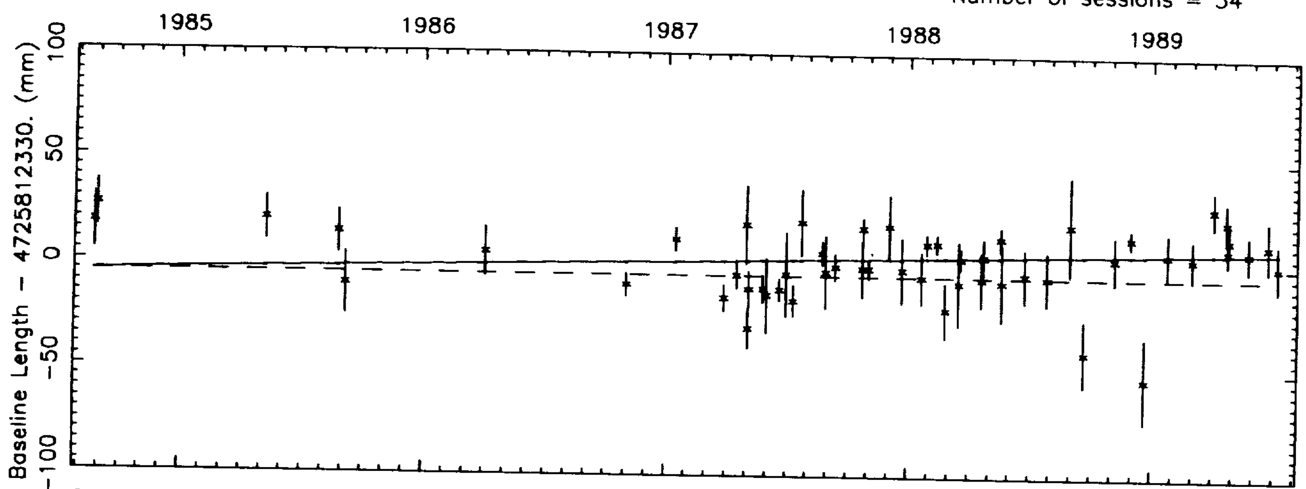
Wrms of fit = 19.0 mm

Reduced Chi square = 1.07

Vector baseline plots for GILCREEK–HRAS 085

Baseline length = 4726 kilometers

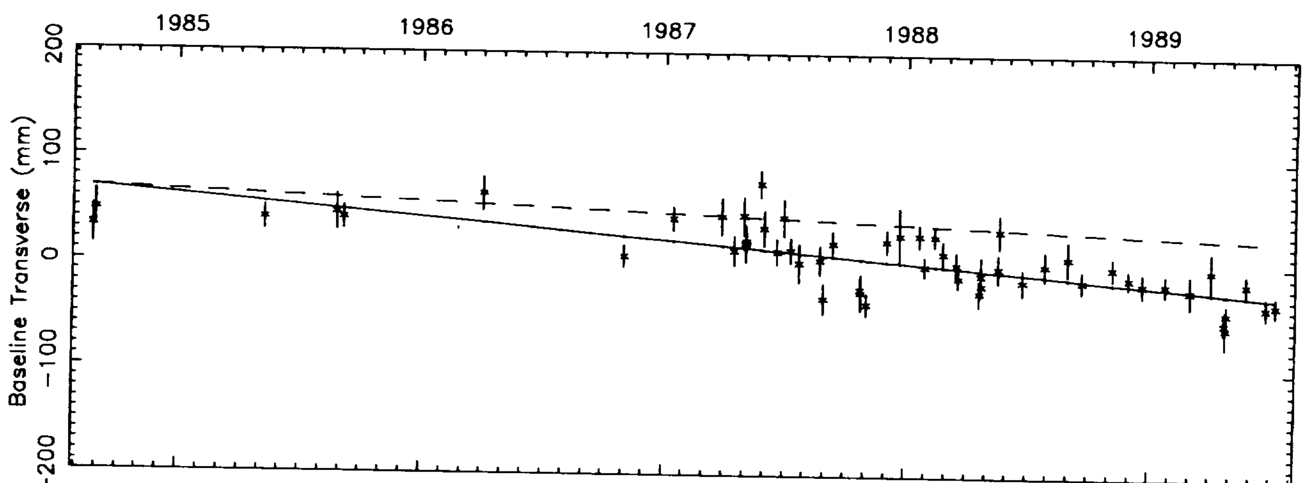
Number of sessions = 54



Observed Rate = 2.6 ± 1.8 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 12.2 mm
Weighted mean length = 4725812333.4 mm

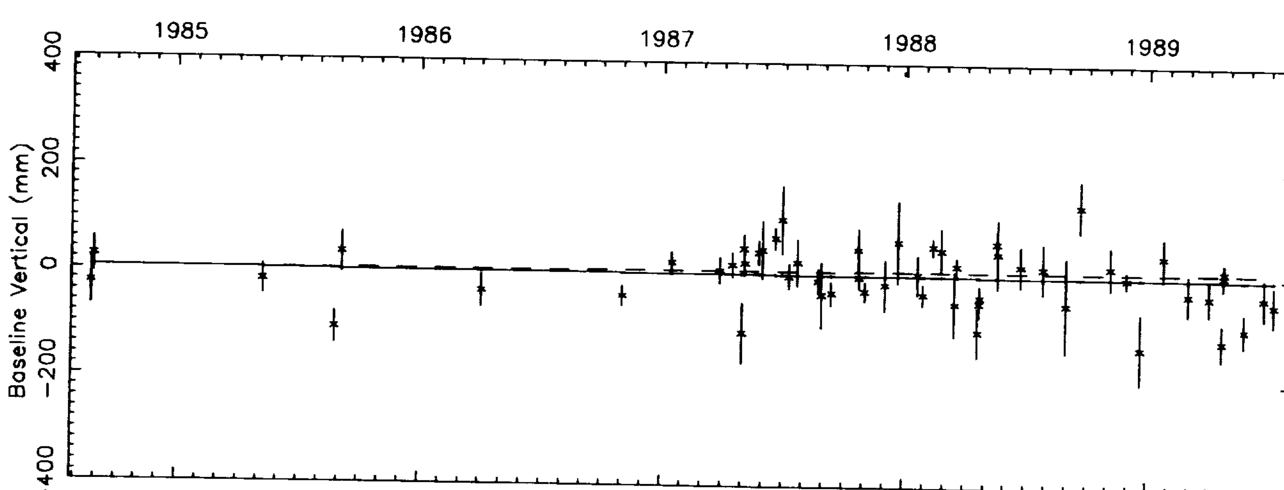
Reduced Chi square = 2.43



Observed Rate = –20.2 ± 2.6 mm/yr
NUVEL model rate = –9.2 mm/yr

Wrms of fit = 19.8 mm

Reduced Chi square = 2.70



Observed Rate = –1.4 ± 6.0 mm/yr
NUVEL model rate = 1.0 mm/yr

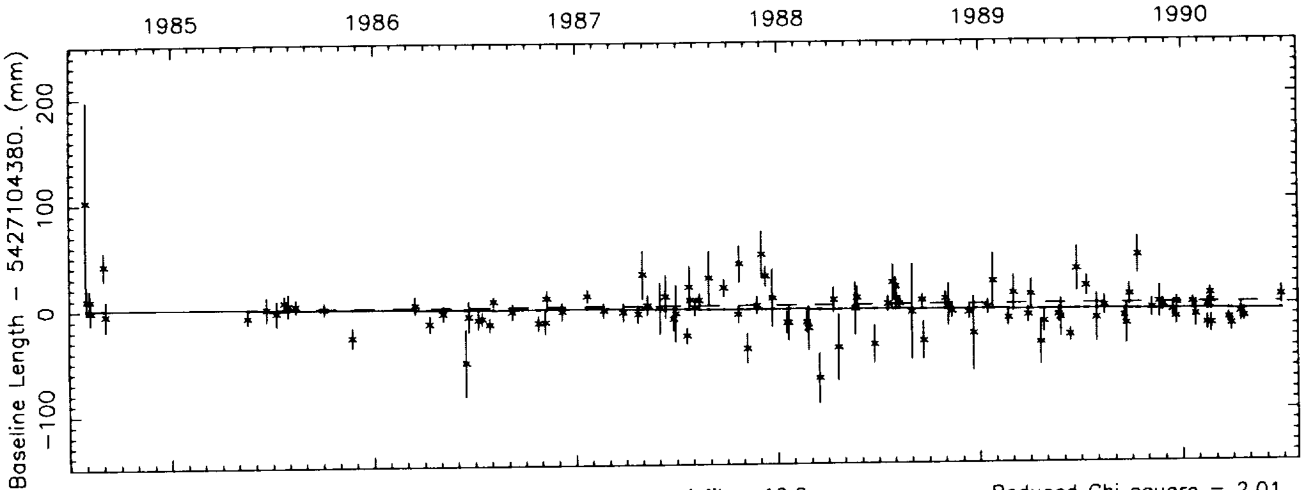
Wrms of fit = 44.3 mm

Reduced Chi square = 2.58

Vector baseline plots for GILCREEK–KASHIMA

Baseline length = 5427 kilometers

Number of sessions = 112



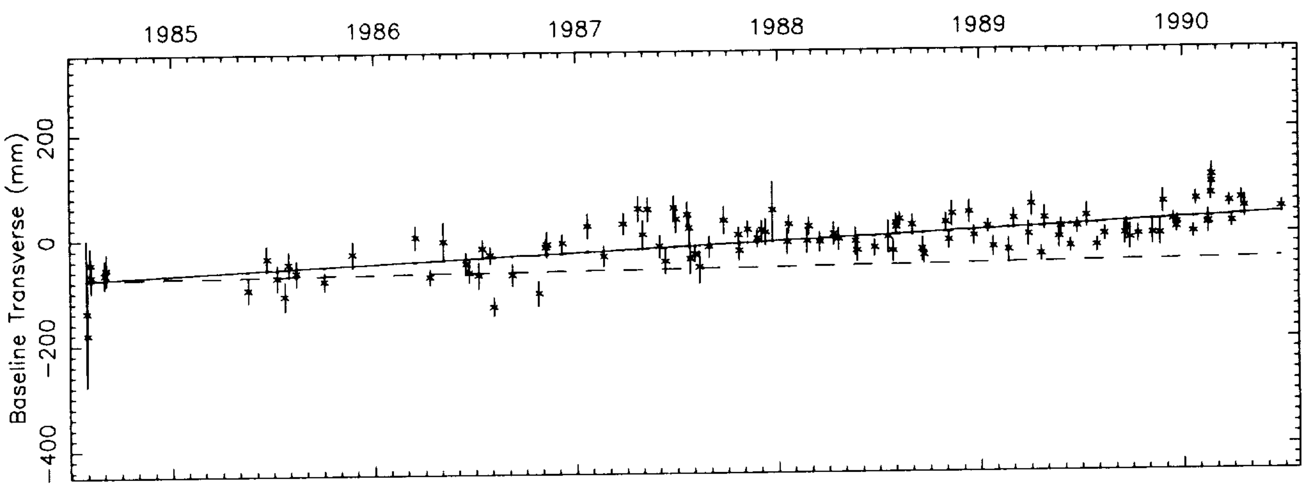
Observed Rate = –1.2 ± .7 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 12.0 mm

Weighted mean length = 5427104376.8 mm

Reduced Chi square = 2.01

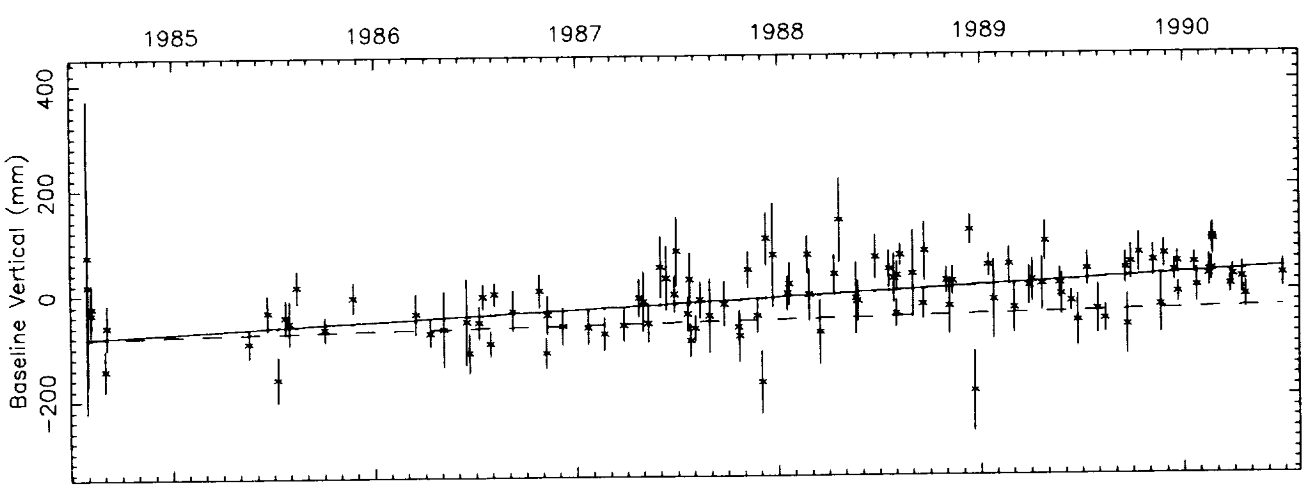


Observed Rate = 18.9 ± 2.0 mm/yr

NUVEL model rate = 4.7 mm/yr

Wrms of fit = 29.9 mm

Reduced Chi square = 2.68



Observed Rate = 21.0 ± 2.6 mm/yr

NUVEL model rate = 8.7 mm/yr

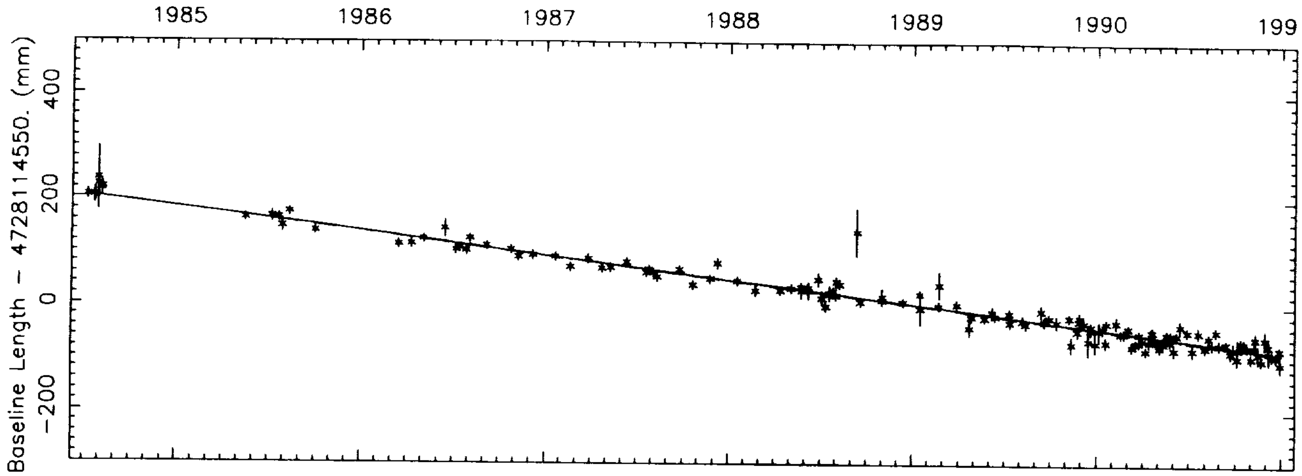
Wrms of fit = 42.9 mm

Reduced Chi square = 1.87

Vector baseline plots for GILCREEK−KAUAI

Baseline length = 4728 kilometers

Number of sessions = 147



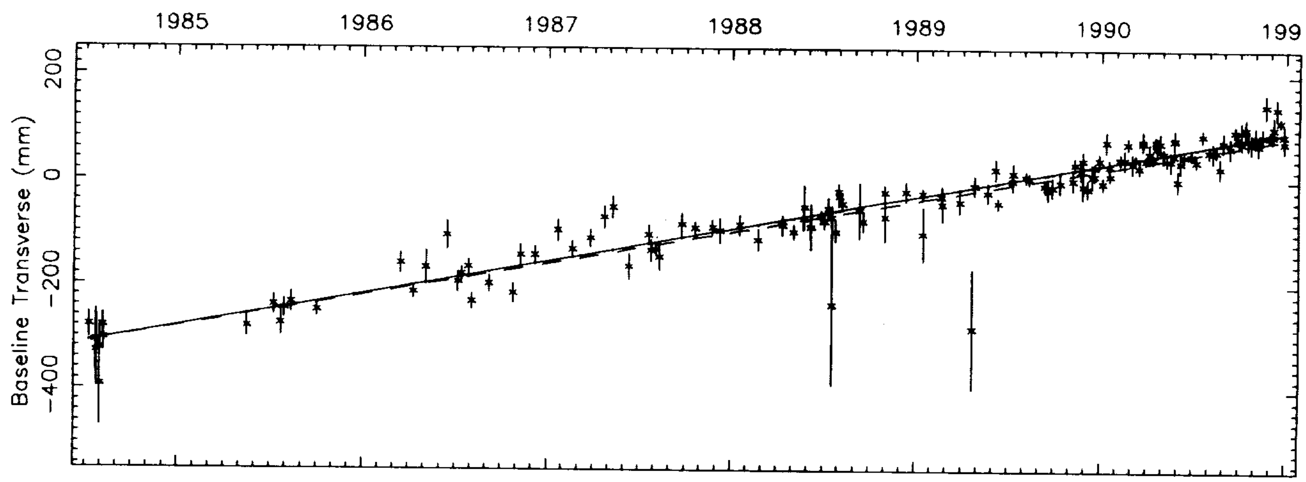
Observed Rate = −45.1 ± .6 mm/yr

NUVEL model rate = −45.4 mm/yr

Wrms of fit = 11.3 mm

Weighted mean length = 4728114548.9 mm

Reduced Chi square = 2.21

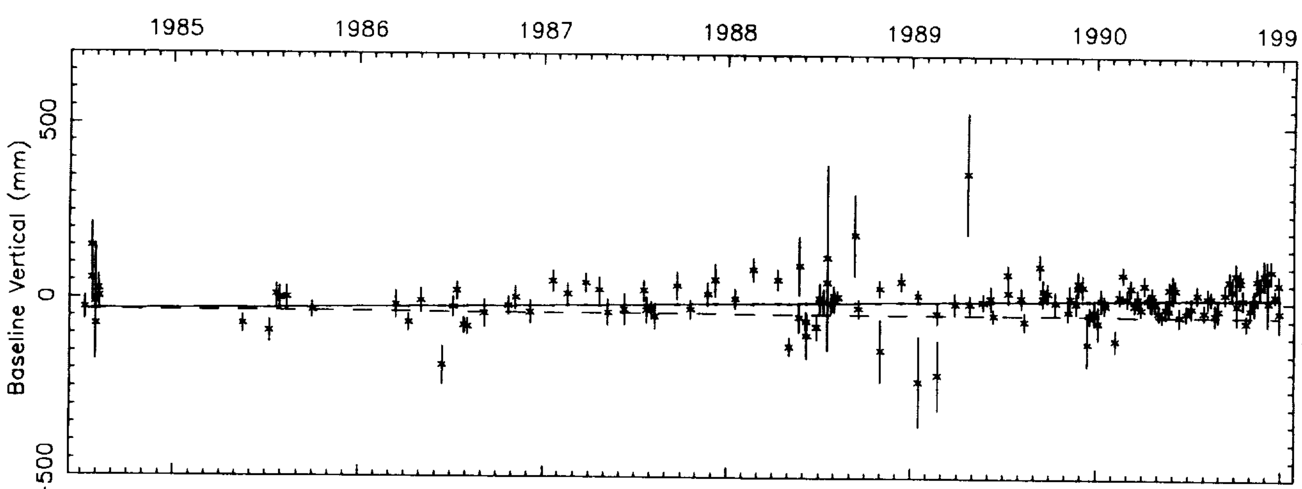


Observed Rate = 62.3 ± 1.2 mm/yr

NUVEL model rate = 60.5 mm/yr

Wrms of fit = 21.4 mm

Reduced Chi square = 2.15



Observed Rate = 7.0 ± 2.2 mm/yr

NUVEL model rate = −1.0 mm/yr

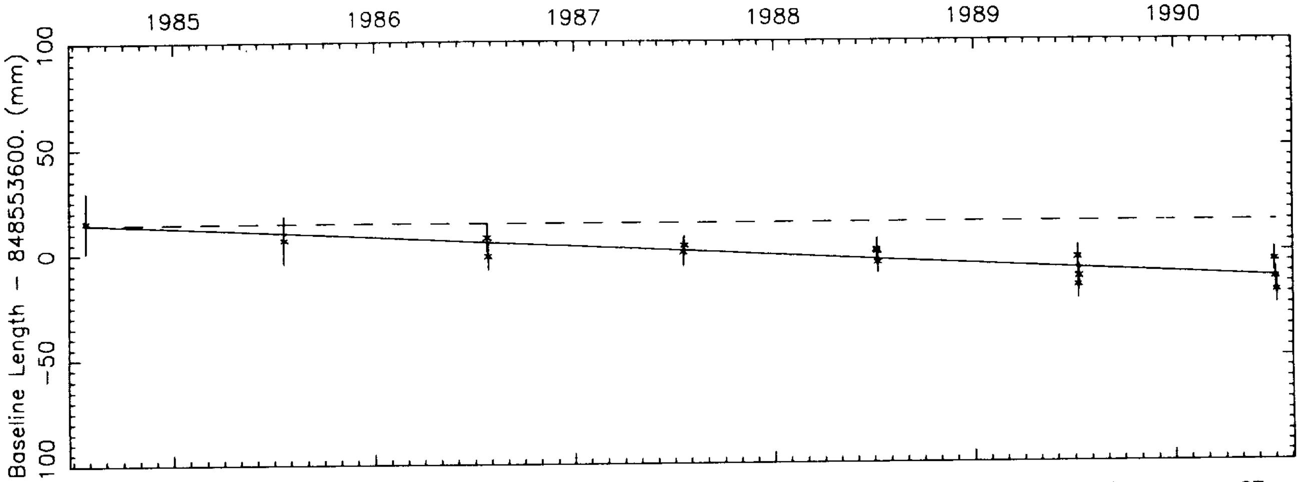
Wrms of fit = 40.9 mm

Reduced Chi square = 2.18

Vector baseline plots for GILCREEK–KODIAK

Baseline length = 849 kilometers

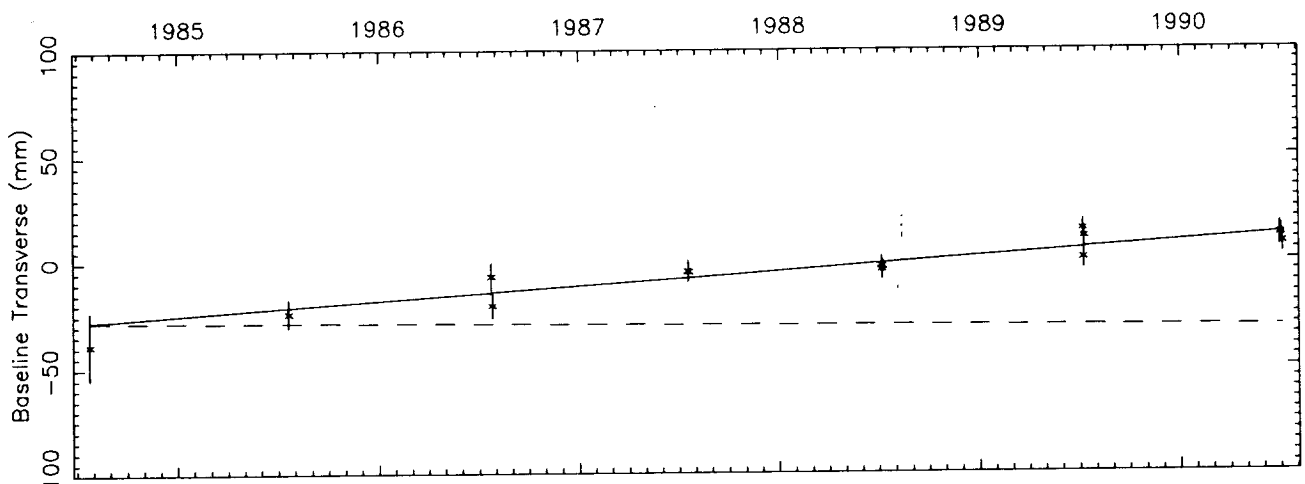
Number of sessions = 15



Observed Rate = −4.5 ± .9 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 4.6 mm
Weighted mean length = 848553595.6 mm

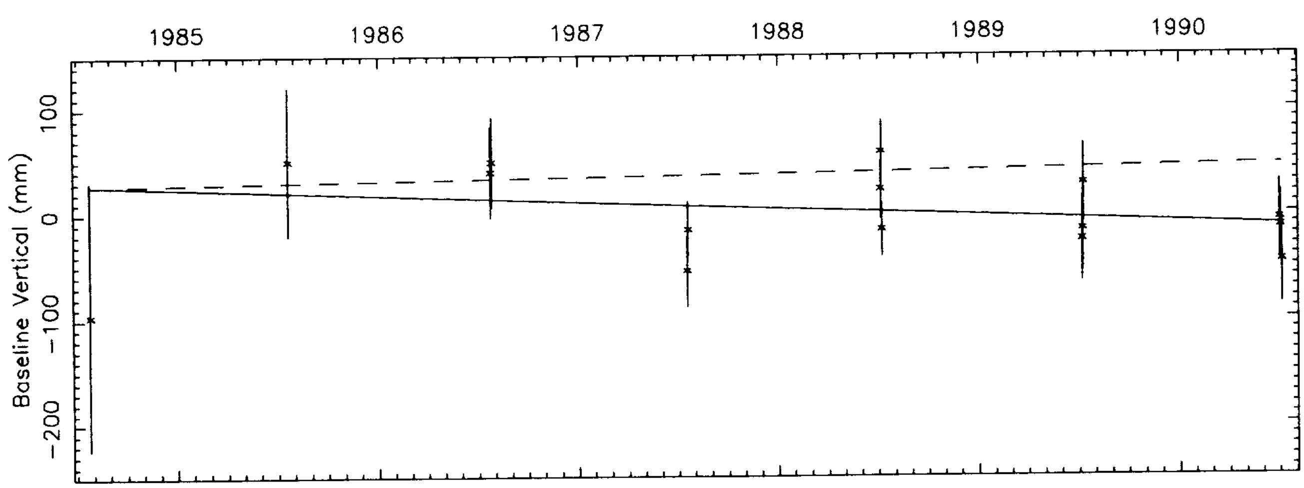
Reduced Chi square = .67



Observed Rate = 6.8 ± .9 mm/yr
NUVEL model rate = −.5 mm/yr

Wrms of fit = 4.3 mm

Reduced Chi square = .91



Observed Rate = −6.6 ± 7.0 mm/yr
NUVEL model rate = 3.1 mm/yr

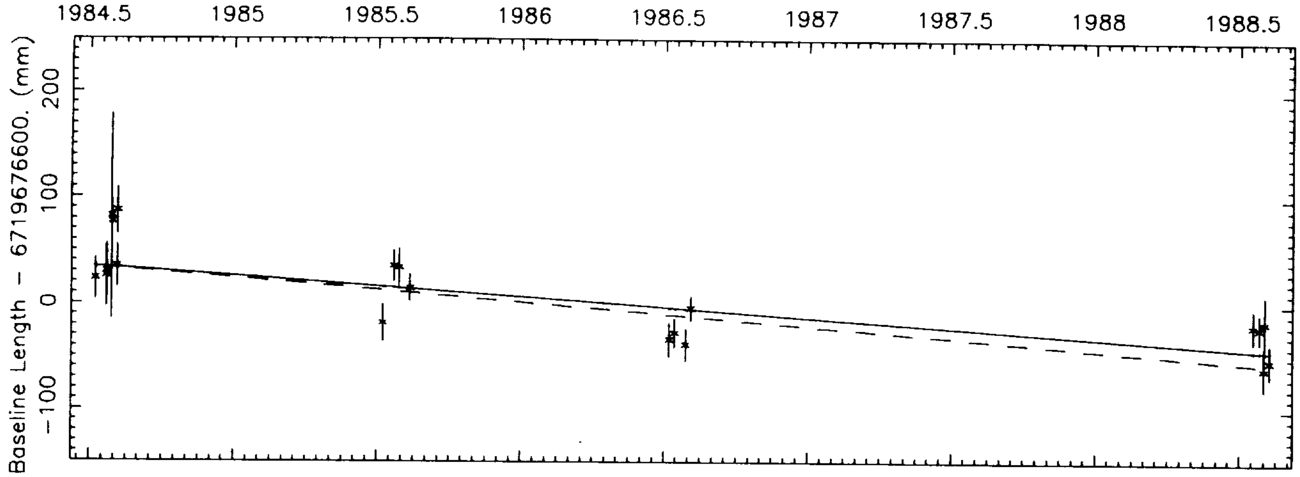
Wrms of fit = 32.7 mm

Reduced Chi square = .98

Vector baseline plots for GILCREEK–KWAJAL26

Baseline length = 6720 kilometers

Number of sessions = 20



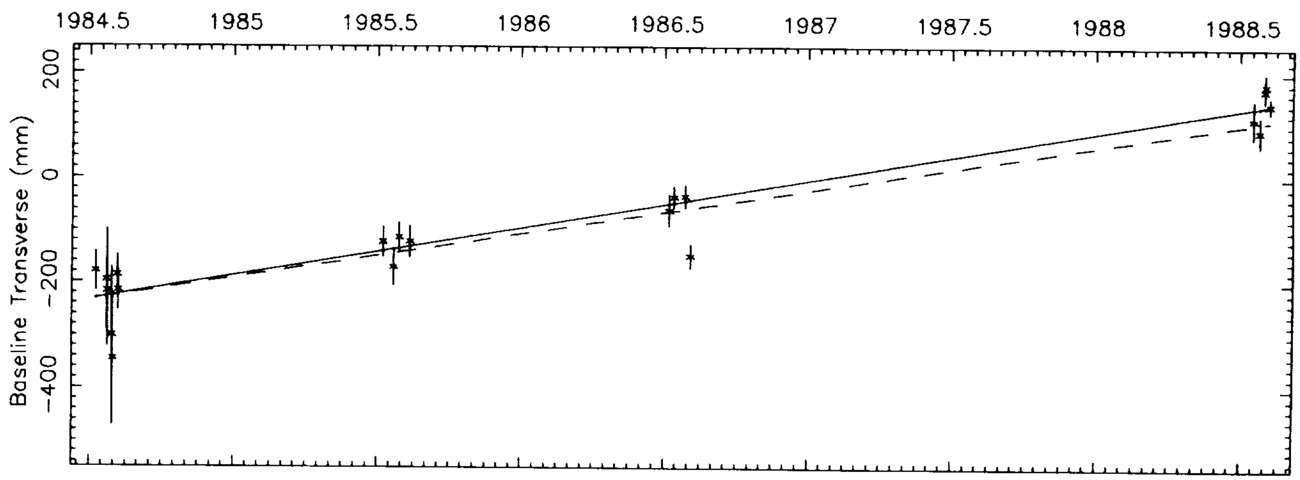
Observed Rate = –19.1 ± 3.8 mm/yr

NUVEL model rate = –22.4 mm/yr

Wrms of fit = 22.8 mm

Weighted mean length = 6719676597.2 mm

Reduced Chi square = 1.97

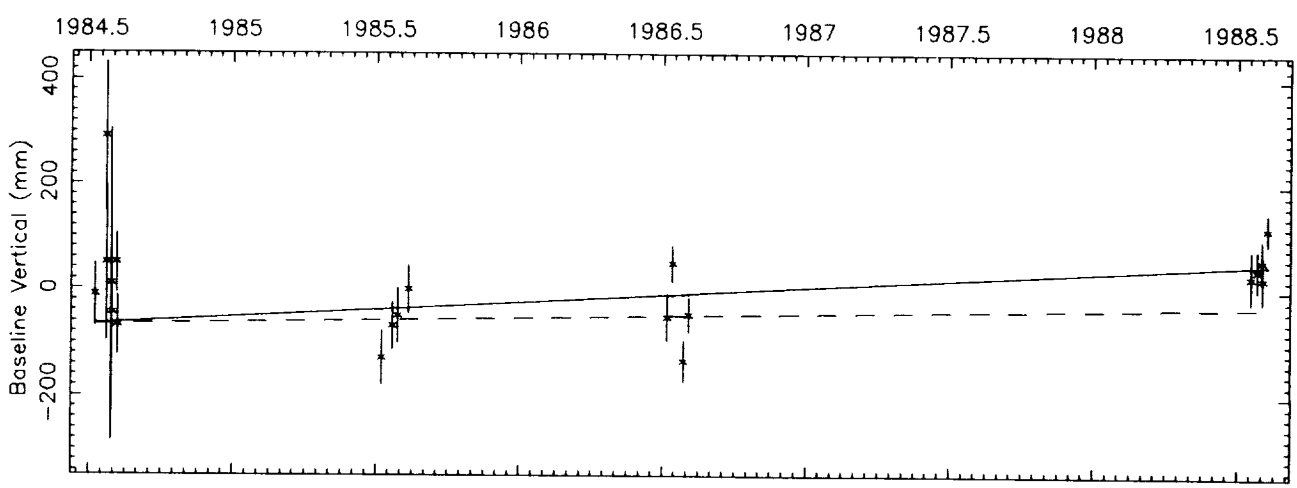


Observed Rate = 91.6 ± 6.3 mm/yr

NUVEL model rate = 83.9 mm/yr

Wrms of fit = 38.5 mm

Reduced Chi square = 1.99



Observed Rate = 28.6 ± 10.6 mm/yr

NUVEL model rate = 8.9 mm/yr

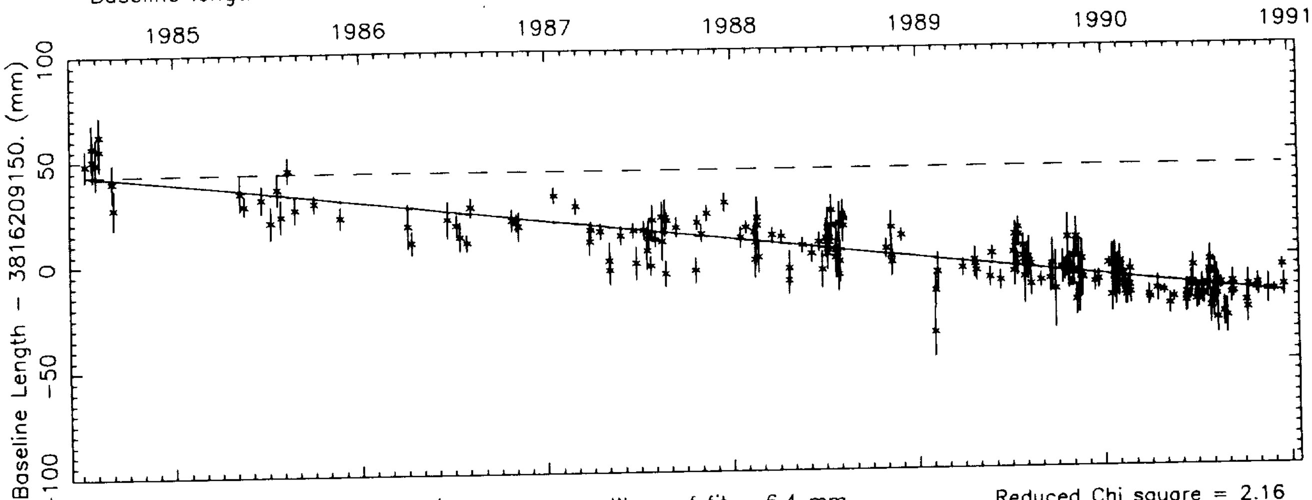
Wrms of fit = 64.3 mm

Reduced Chi square = 2.07

Vector baseline plots for GILCREEK–MOJAVE12

Baseline length = 3816 kilometers

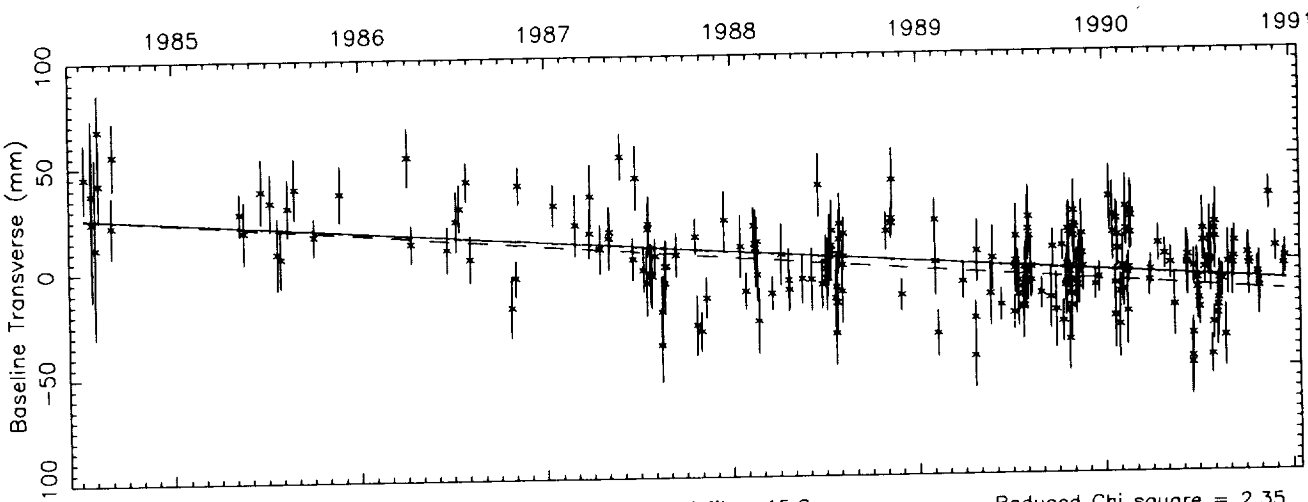
Number of sessions = 224



Observed Rate = −9.5 ± .3 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 6.4 mm
Weighted mean length = 3816209147.0 mm

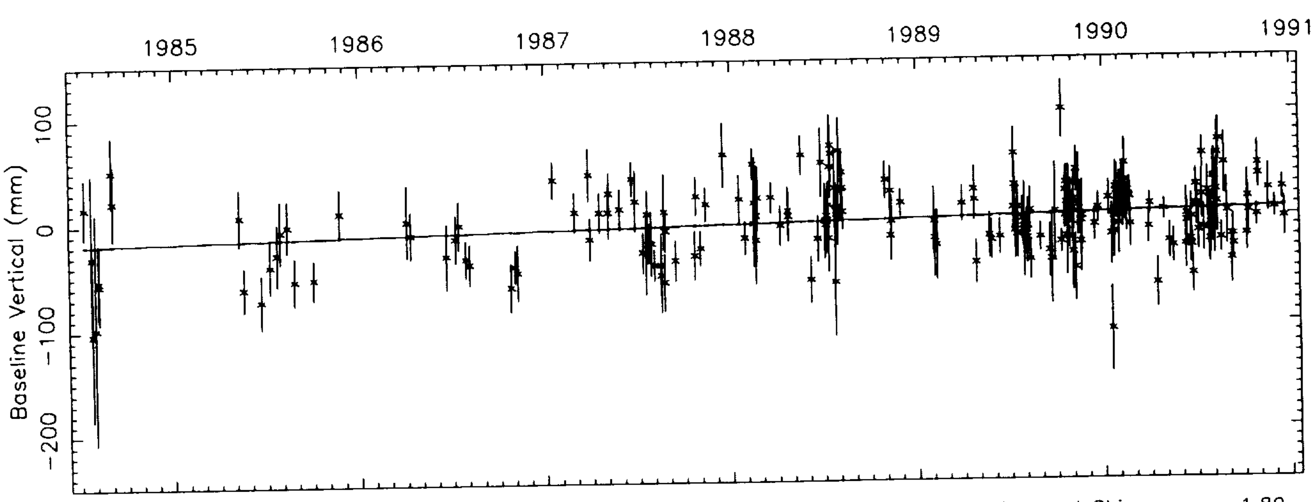
Reduced Chi square = 2.16



Observed Rate = −5.5 ± .8 mm/yr
NUVEL model rate = −6.3 mm/yr

Wrms of fit = 15.8 mm

Reduced Chi square = 2.35

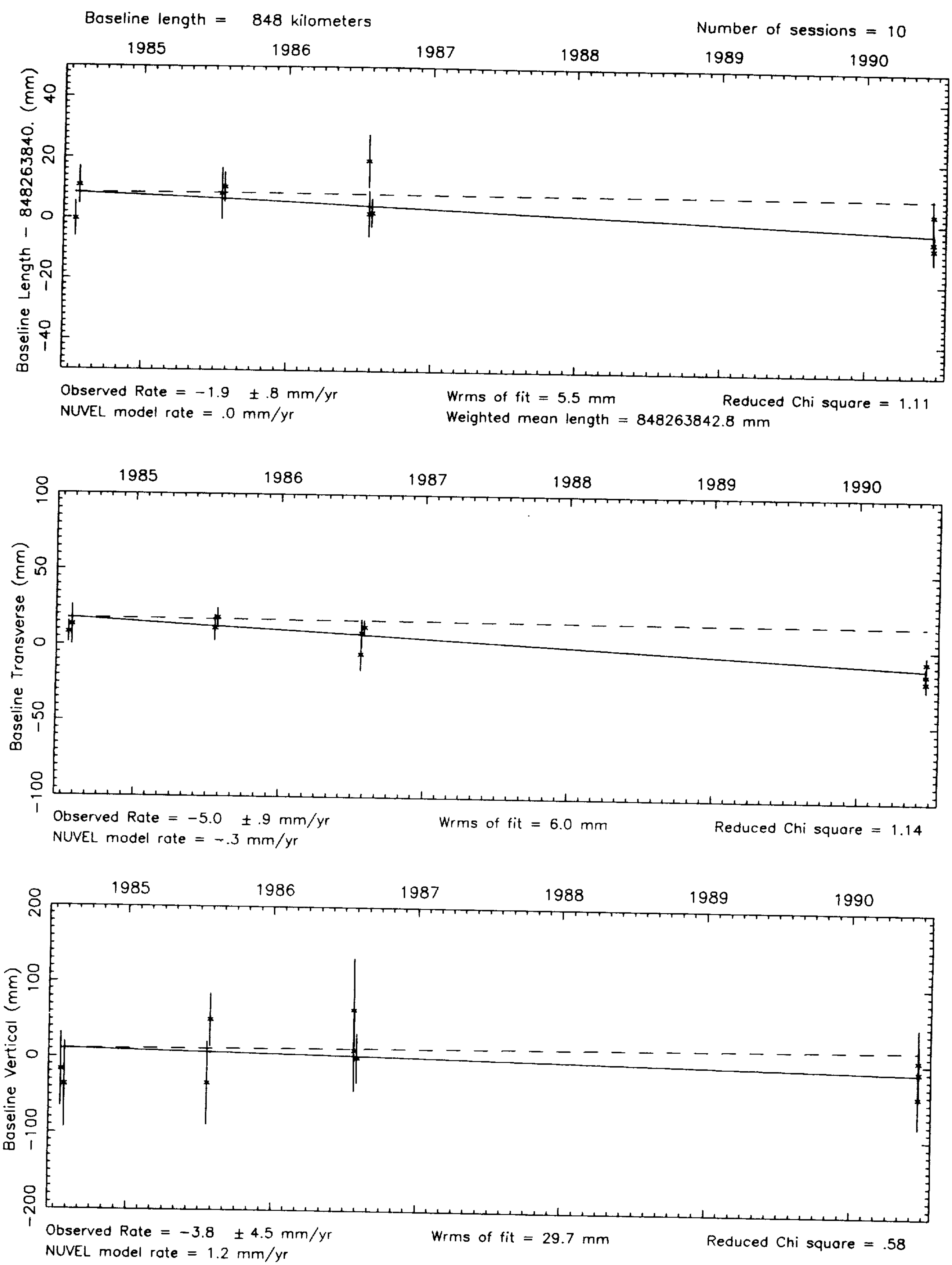


Observed Rate = 4.0 ± 1.3 mm/yr
NUVEL model rate = 4.0 mm/yr

Wrms of fit = 26.6 mm

Reduced Chi square = 1.80

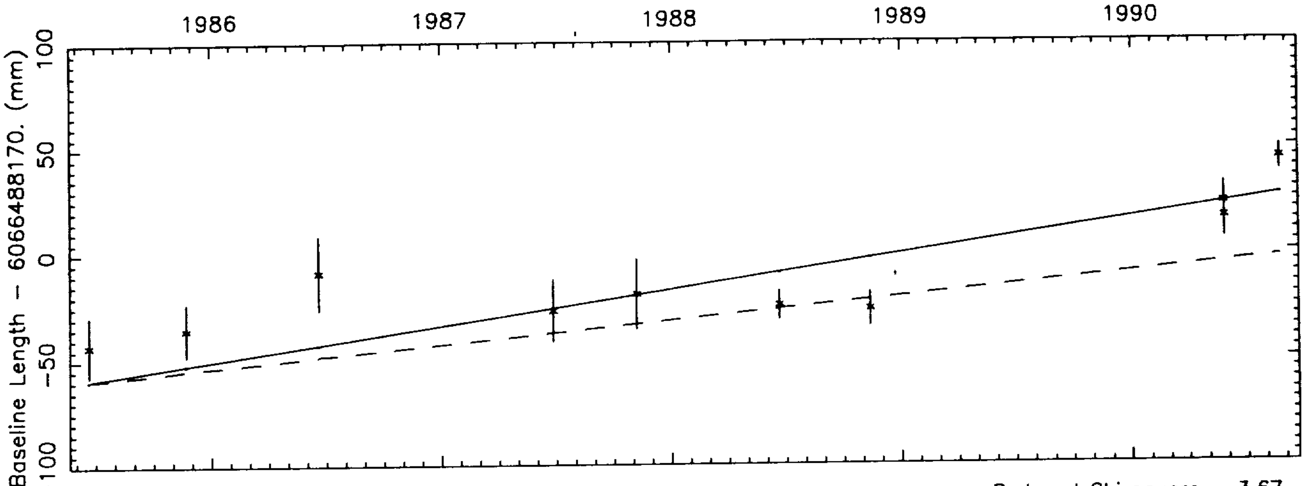
Vector baseline plots for GILCREEK–NOME



Vector baseline plots for GILCREEK-ONSALA60

Baseline length = 6066 kilometers

Number of sessions = 10



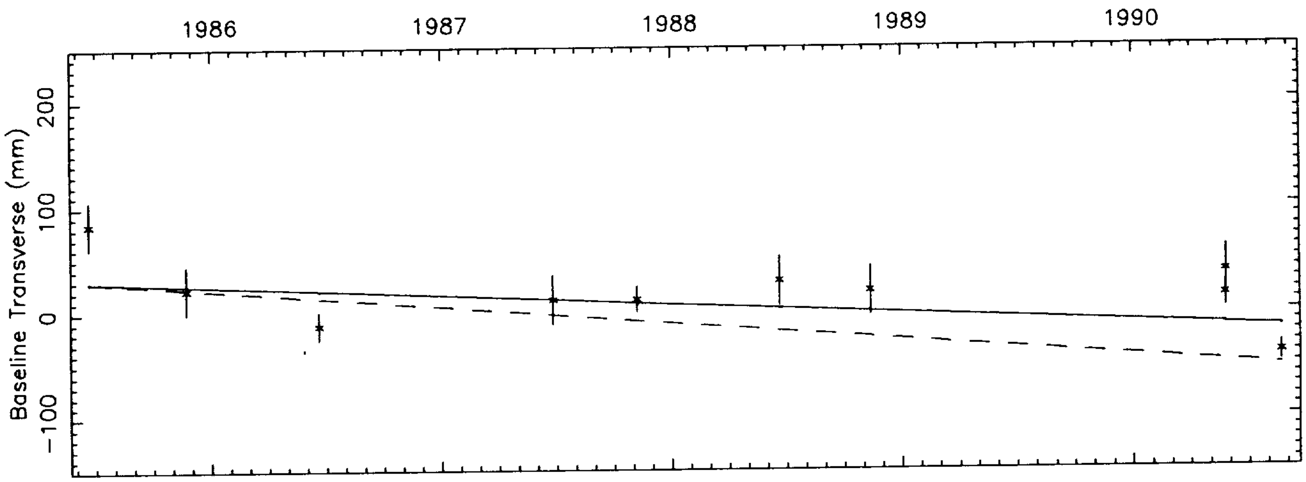
Observed Rate = 16.6 ± 3.6 mm/yr

NUVEL model rate = 11.0 mm/yr

Wrms of fit = 16.4 mm

Weighted mean length = 6066488169.8 mm

Reduced Chi square = 3.67

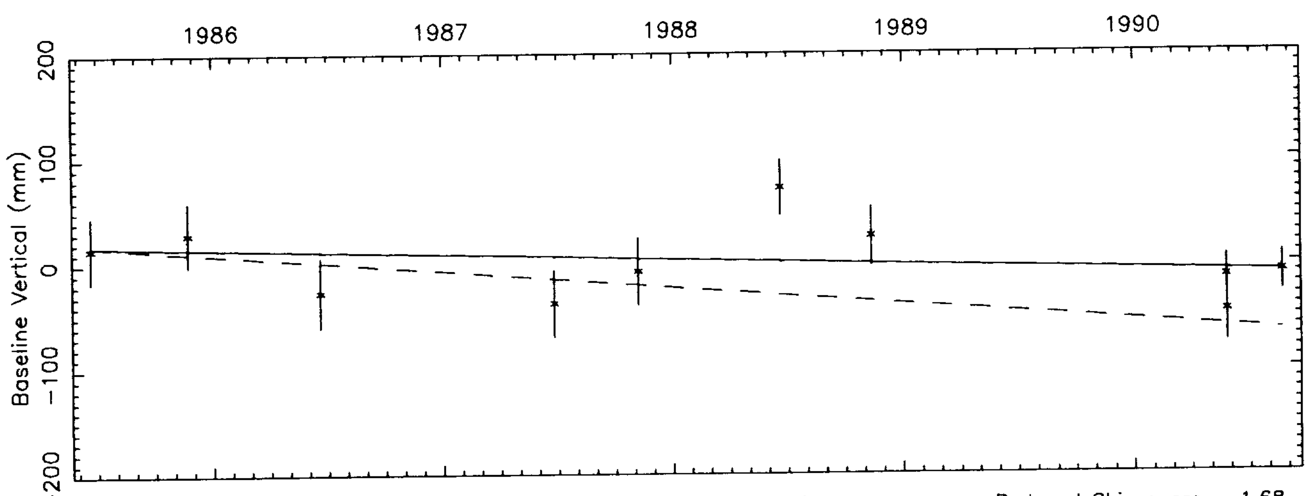


Observed Rate = -9.0 ± 5.2 mm/yr

NUVEL model rate = -16.0 mm/yr

Wrms of fit = 26.9 mm

Reduced Chi square = 3.77



Observed Rate = -5.4 ± 6.0 mm/yr

NUVEL model rate = -16.0 mm/yr

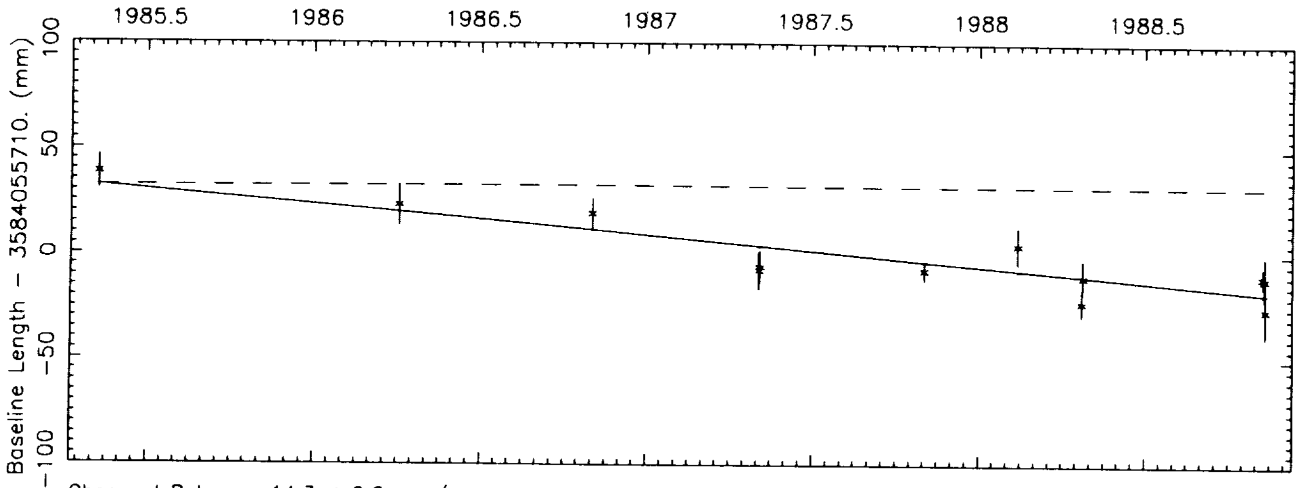
Wrms of fit = 31.0 mm

Reduced Chi square = 1.68

Vector baseline plots for GILCREEK-OVRO 130

Baseline length = 3584 kilometers

Number of sessions = 12



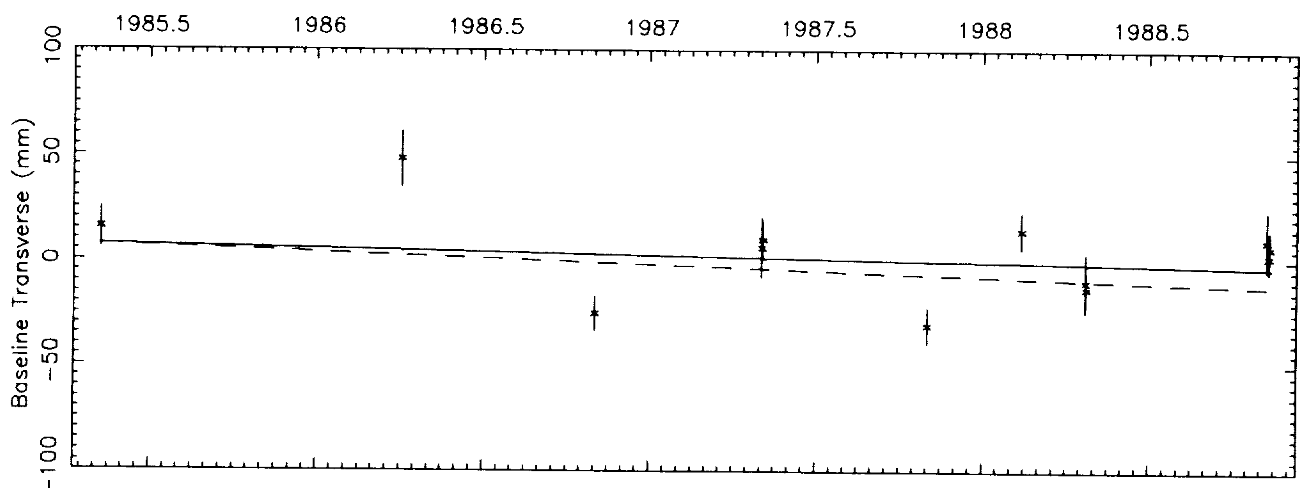
Observed Rate = -14.3 ± 2.6 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 8.1 mm

Weighted mean length = 3584055707.0 mm

Reduced Chi square = 1.60

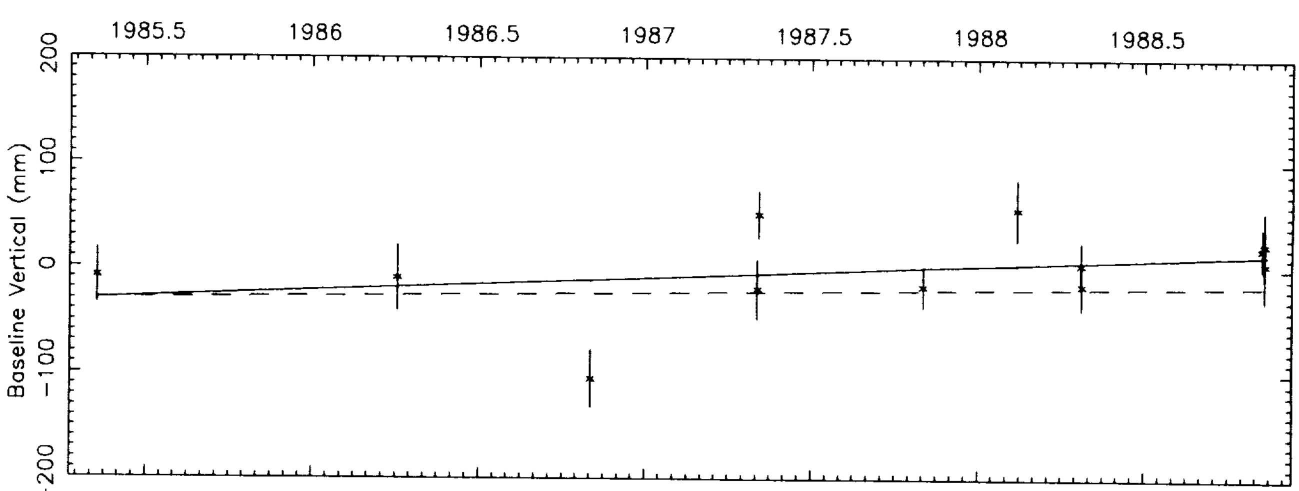


Observed Rate = -3.0 ± 5.5 mm/yr

NUVEL model rate = -5.7 mm/yr

Wrms of fit = 18.3 mm

Reduced Chi square = 4.45



Observed Rate = 12.5 ± 11.3 mm/yr

NUVEL model rate = 3.8 mm/yr

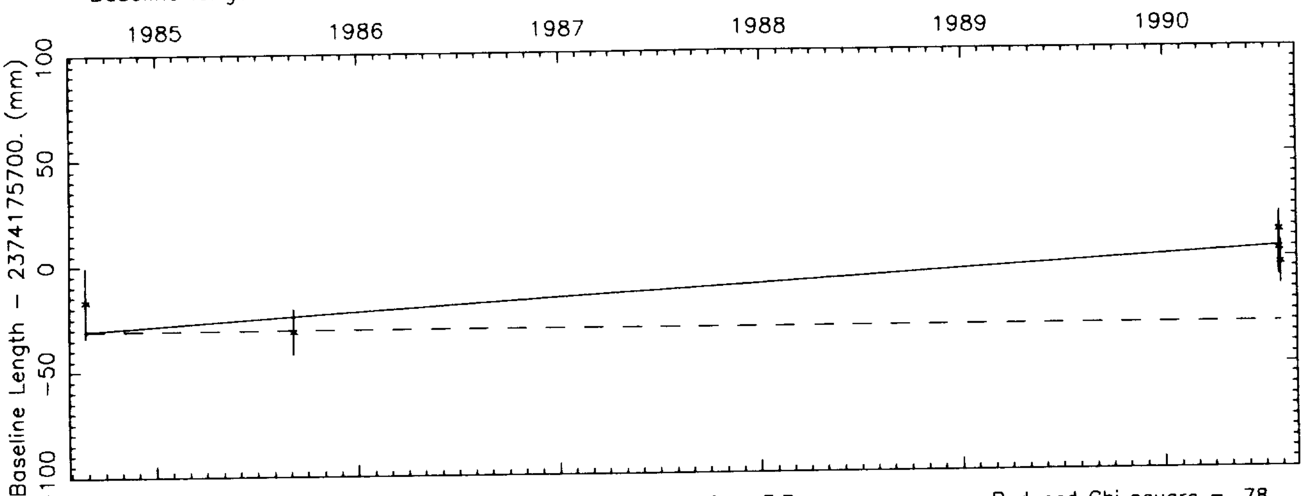
Wrms of fit = 35.6 mm

Reduced Chi square = 2.44

Vector baseline plots for GILCREEK–PENTICTN

Baseline length = 2374 kilometers

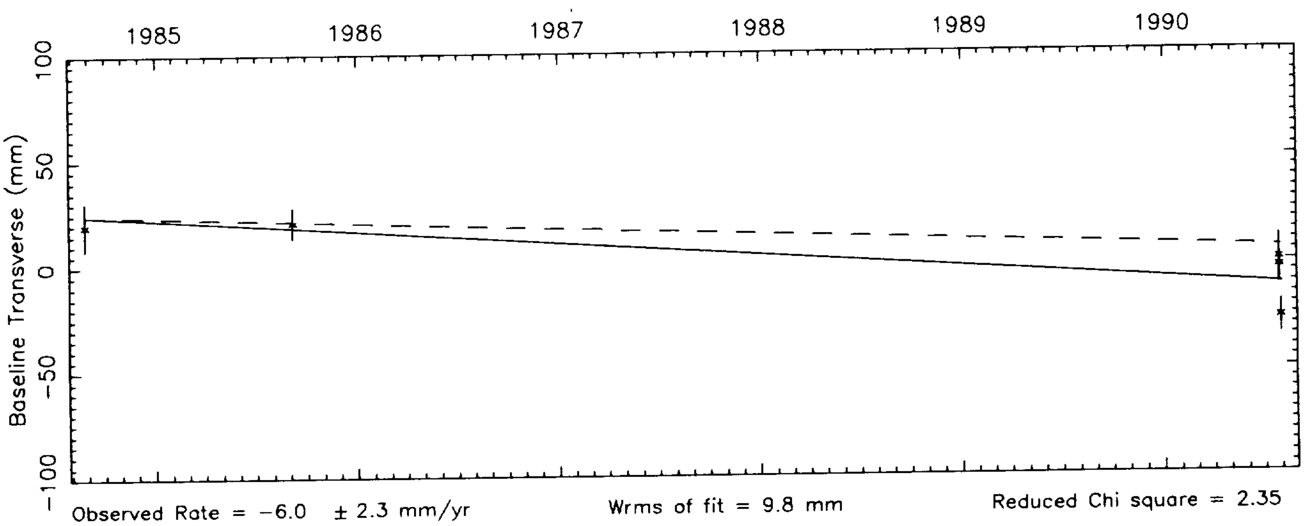
Number of sessions = 5



Observed Rate = 6.0 ± 1.9 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 7.7 mm
Weighted mean length = 2374175695.1 mm

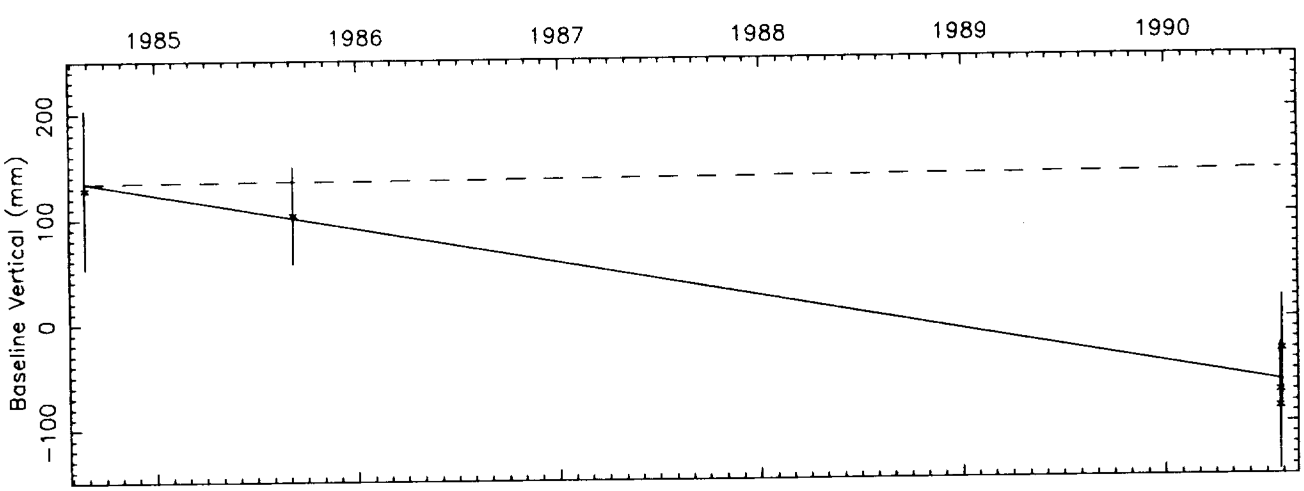
Reduced Chi square = .78



Observed Rate = –6.0 ± 2.3 mm/yr
NUVEL model rate = –3.1 mm/yr

Wrms of fit = 9.8 mm

Reduced Chi square = 2.35



Observed Rate = –33.0 ± 4.1 mm/yr
NUVEL model rate = 1.0 mm/yr

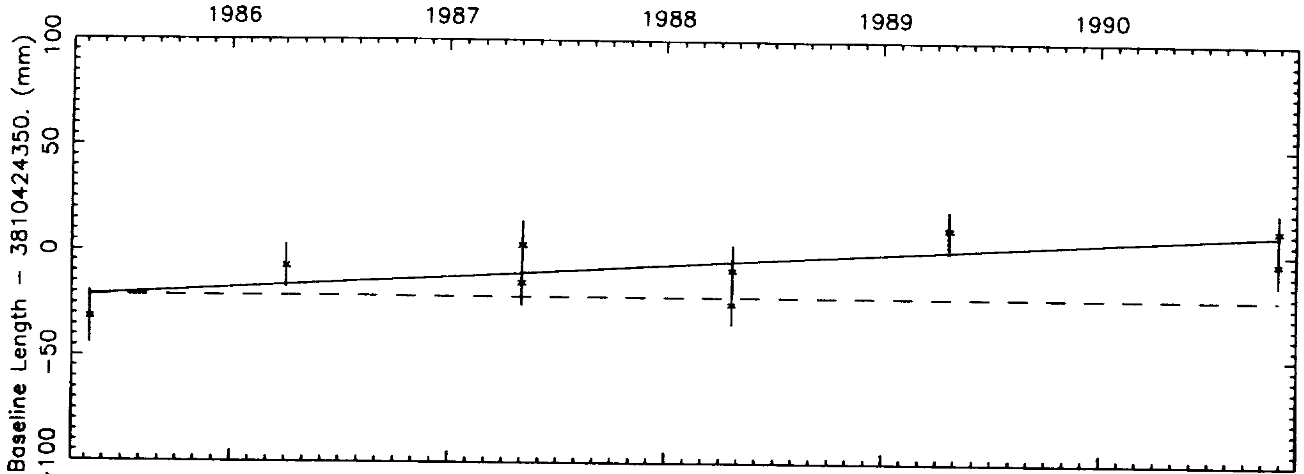
Wrms of fit = 17.9 mm

Reduced Chi square = .19

Vector baseline plots for GILCREEK-PLATTVIL

Baseline length = 3810 kilometers

Number of sessions = 10



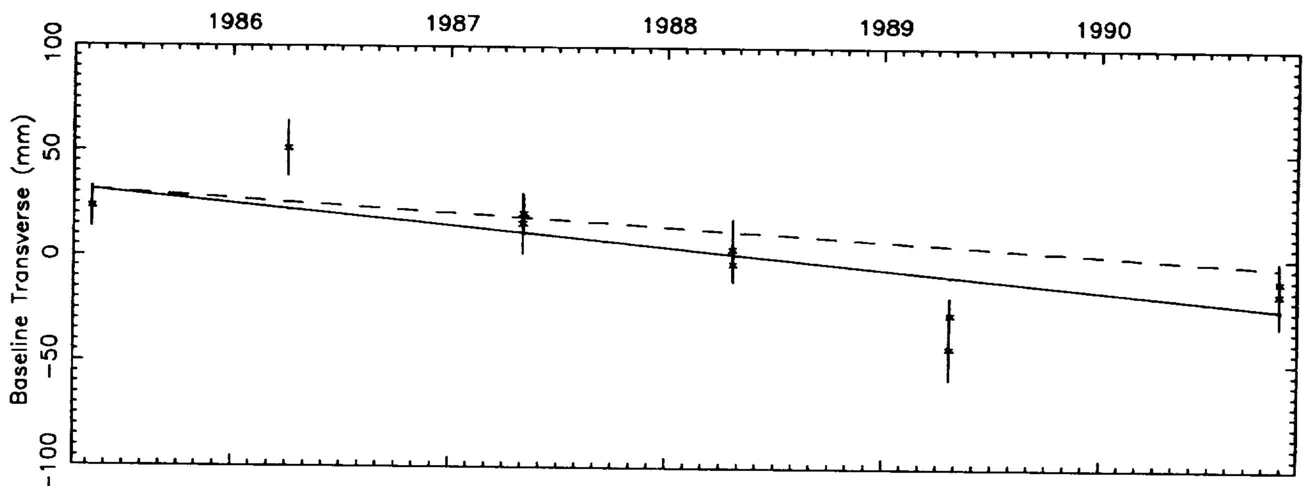
Observed Rate = 5.6 ± 2.3 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 11.0 mm

Weighted mean length = 3810424347.1 mm

Reduced Chi square = 1.52

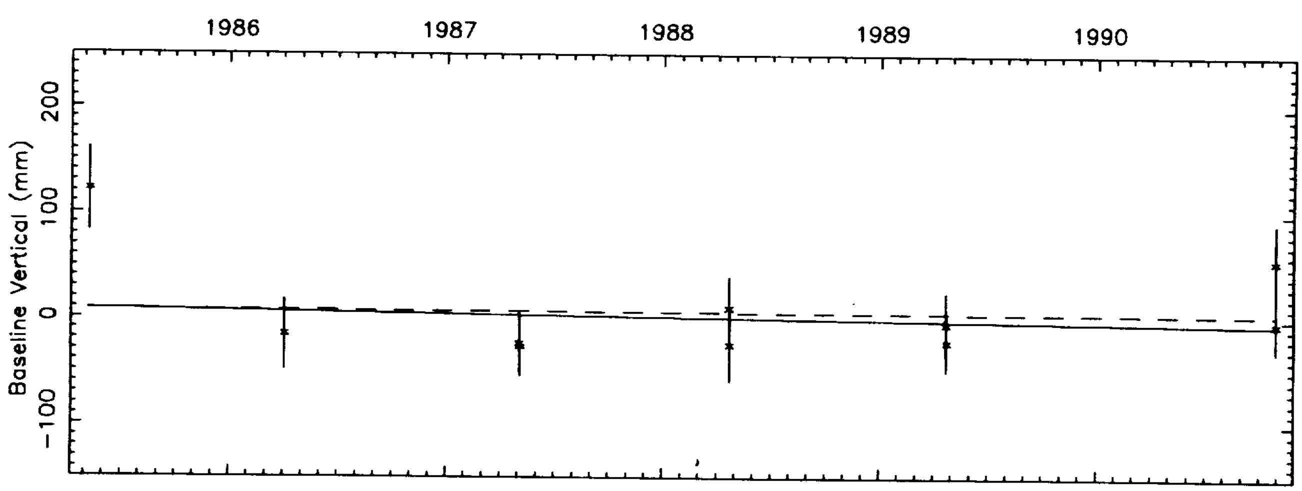


Observed Rate = −10.1 ± 3.0 mm/yr

NUVEL model rate = −6.4 mm/yr

Wrms of fit = 14.9 mm

Reduced Chi square = 2.53



Observed Rate = −2.6 ± 8.2 mm/yr

NUVEL model rate = −.7 mm/yr

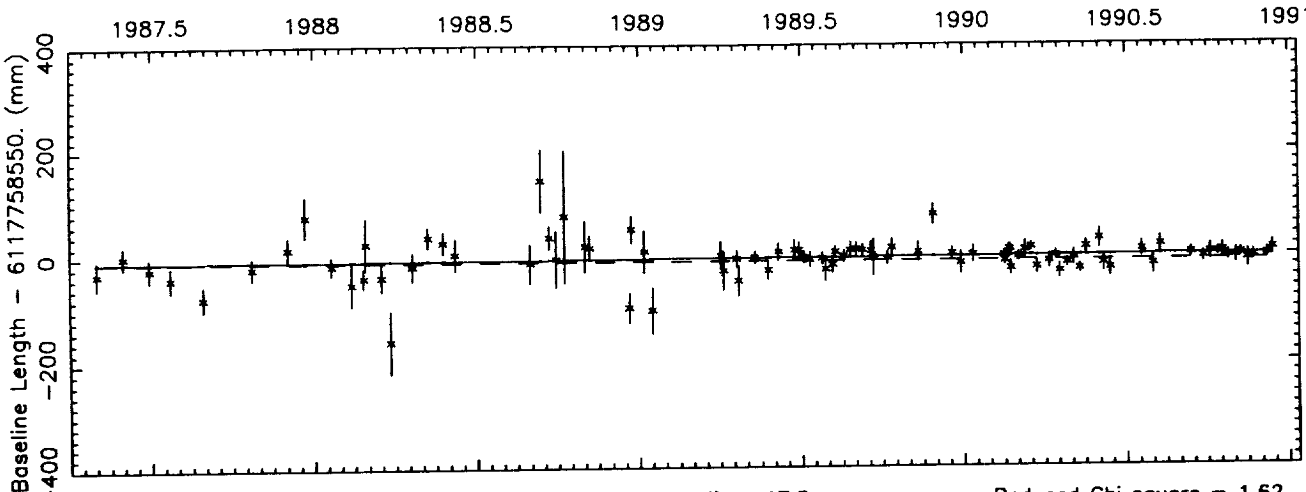
Wrms of fit = 37.8 mm

Reduced Chi square = 1.87

Vector baseline plots for GILCREEK–RICHMOND

Baseline length = 6118 kilometers

Number of sessions = 92



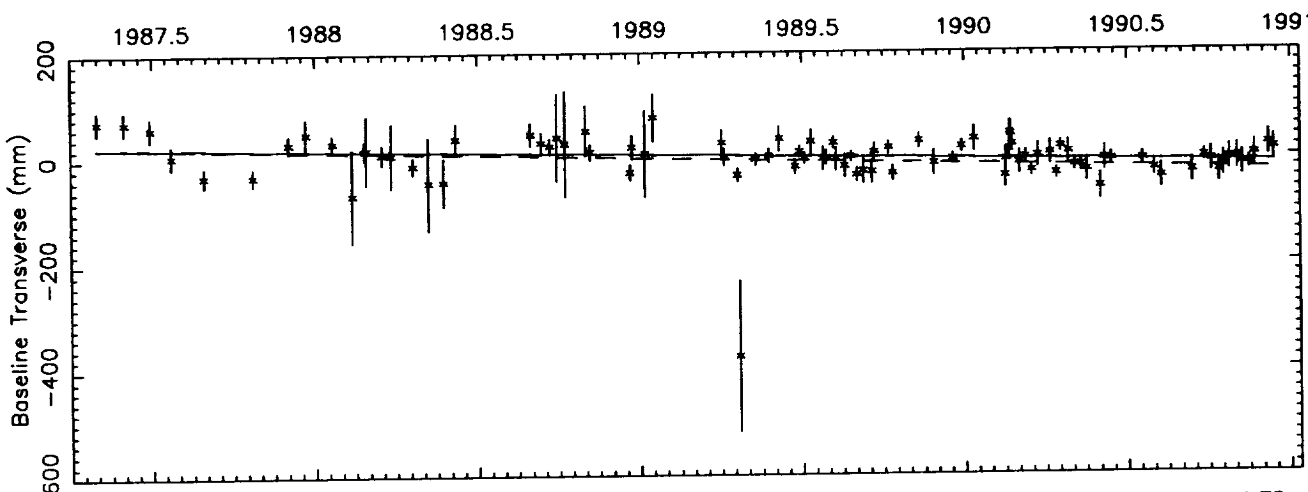
Observed Rate = 2.5 ± 2.5 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 17.5 mm

Weighted mean length = 6117758547.9 mm

Reduced Chi square = 1.62

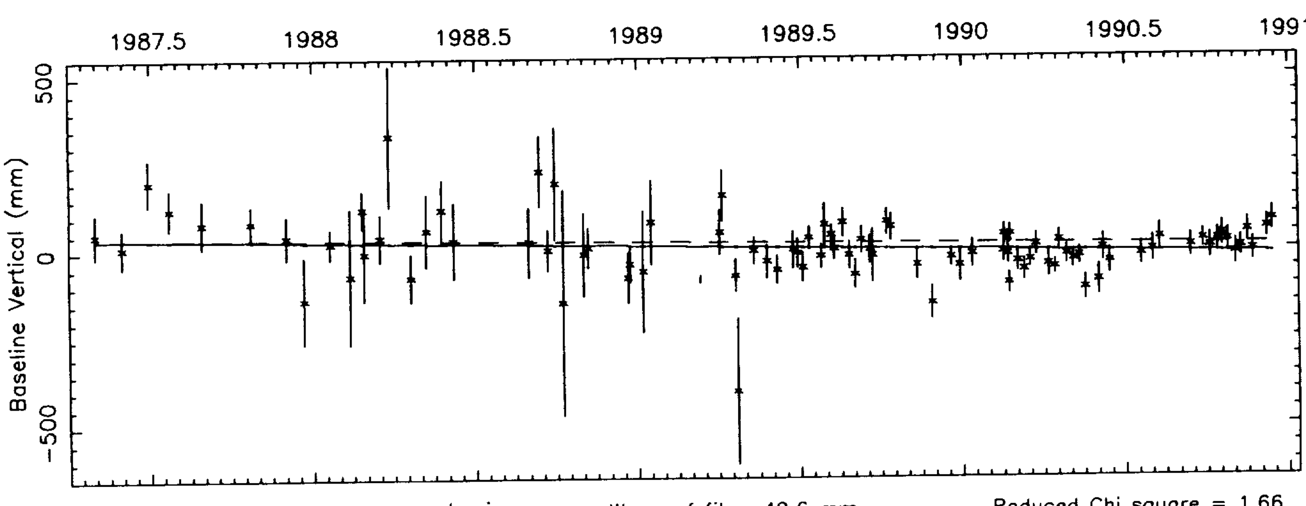


Observed Rate = −9.8 ± 2.9 mm/yr

NUVEL model rate = −13.7 mm/yr

Wrms of fit = 22.7 mm

Reduced Chi square = 1.75



Observed Rate = −14.2 ± 7.2 mm/yr

NUVEL model rate = −7.0 mm/yr

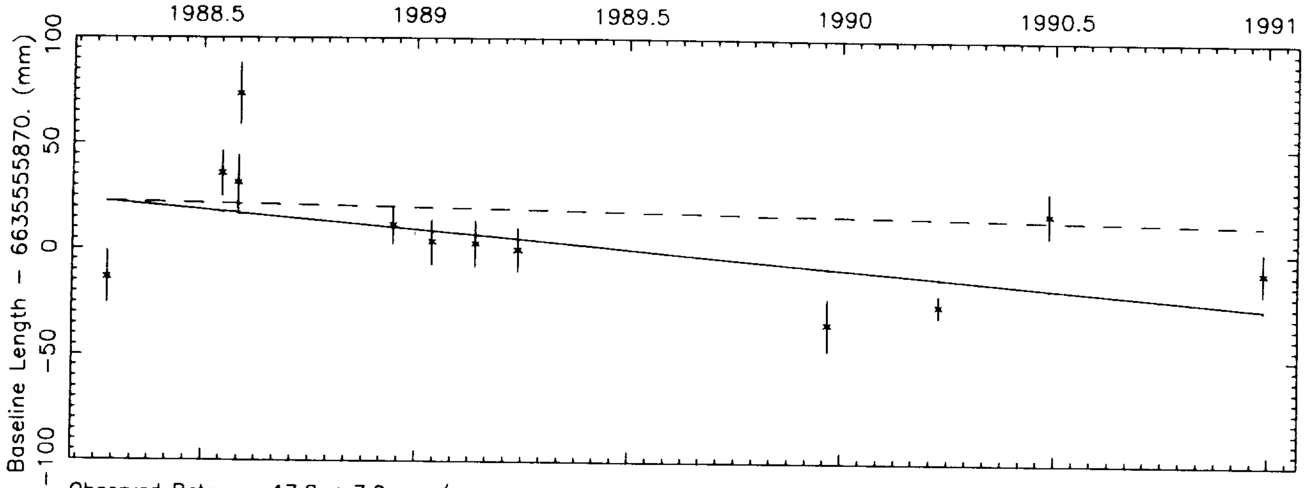
Wrms of fit = 49.6 mm

Reduced Chi square = 1.66

Vector baseline plots for GILCREEK–SESHAN25

Baseline length = 6636 kilometers

Number of sessions = 12



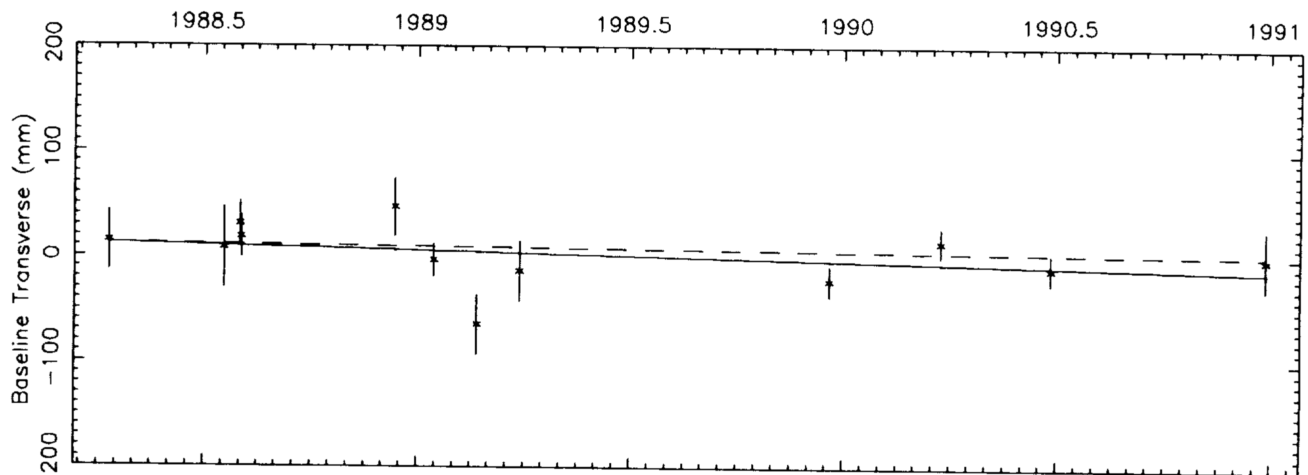
Observed Rate = −17.8 ± 7.9 mm/yr

NUVEL model rate = −3.2 mm/yr

Wrms of fit = 20.3 mm

Weighted mean length = 6635555869.3 mm

Reduced Chi square = 5.16

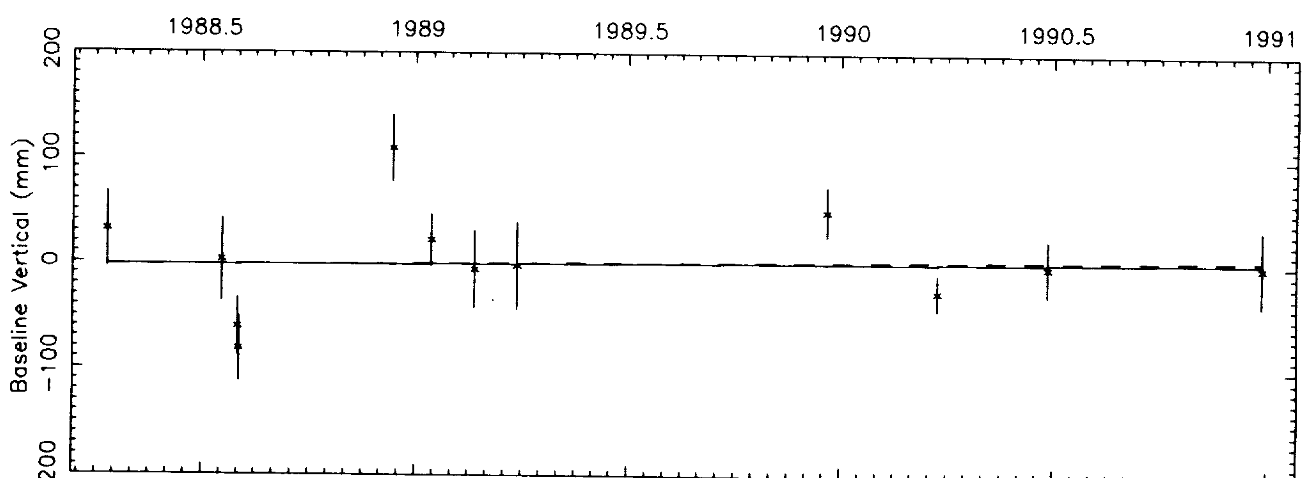


Observed Rate = −9.4 ± 8.6 mm/yr

NUVEL model rate = −3.9 mm/yr

Wrms of fit = 21.5 mm

Reduced Chi square = 1.39



Observed Rate = 2.0 ± 18.1 mm/yr

NUVEL model rate = 3.1 mm/yr

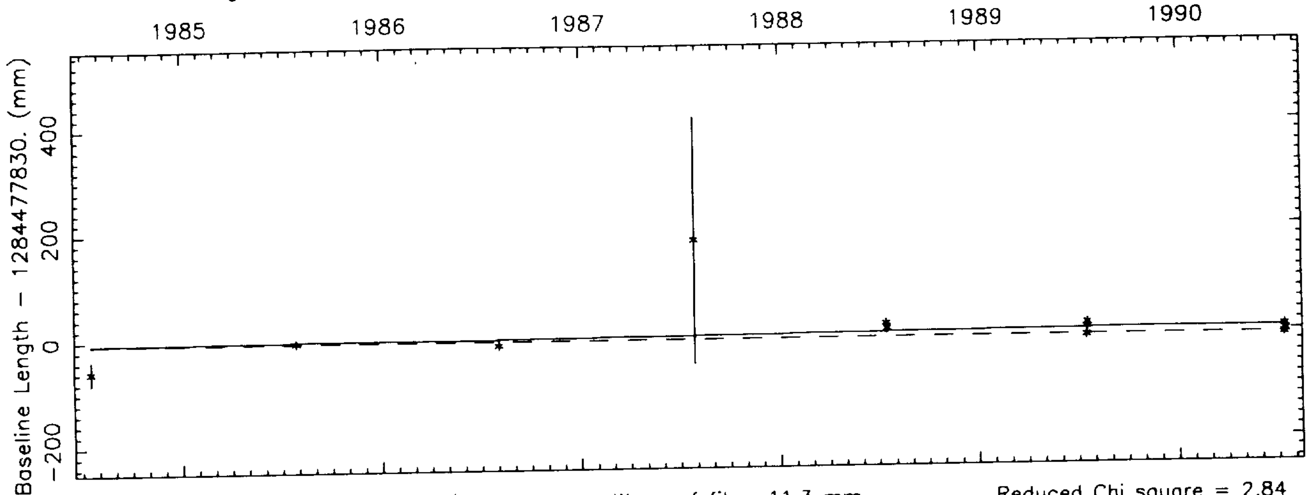
Wrms of fit = 46.1 mm

Reduced Chi square = 3.24

Vector baseline plots for GILCREEK–SNDPOINT

Baseline length = 1284 kilometers

Number of sessions = 13



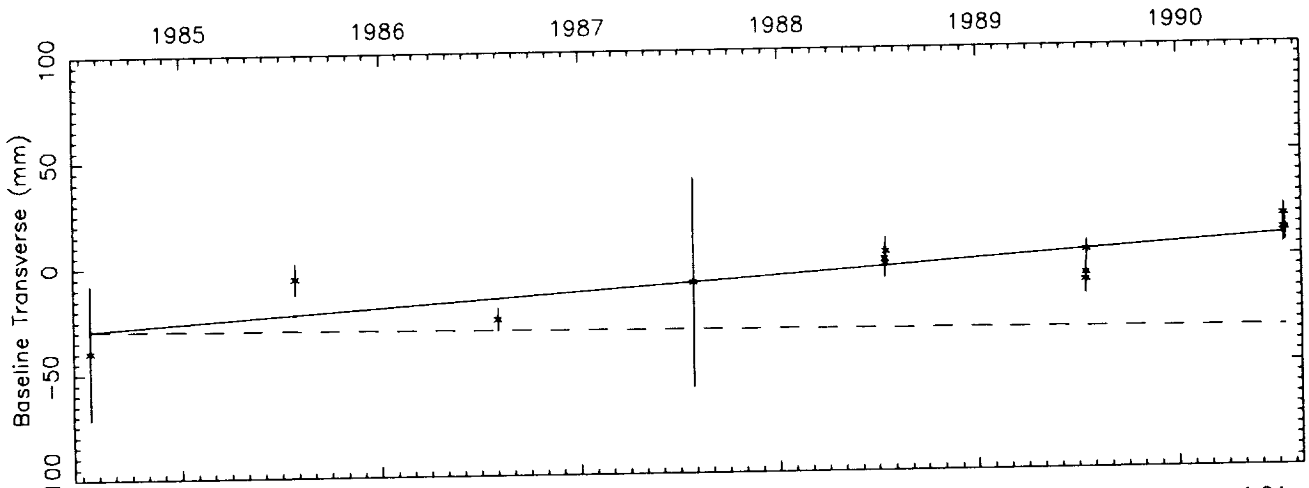
Observed Rate = 2.2 ± 2.4 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 11.3 mm

Weighted mean length = 1284477833.2 mm

Reduced Chi square = 2.84

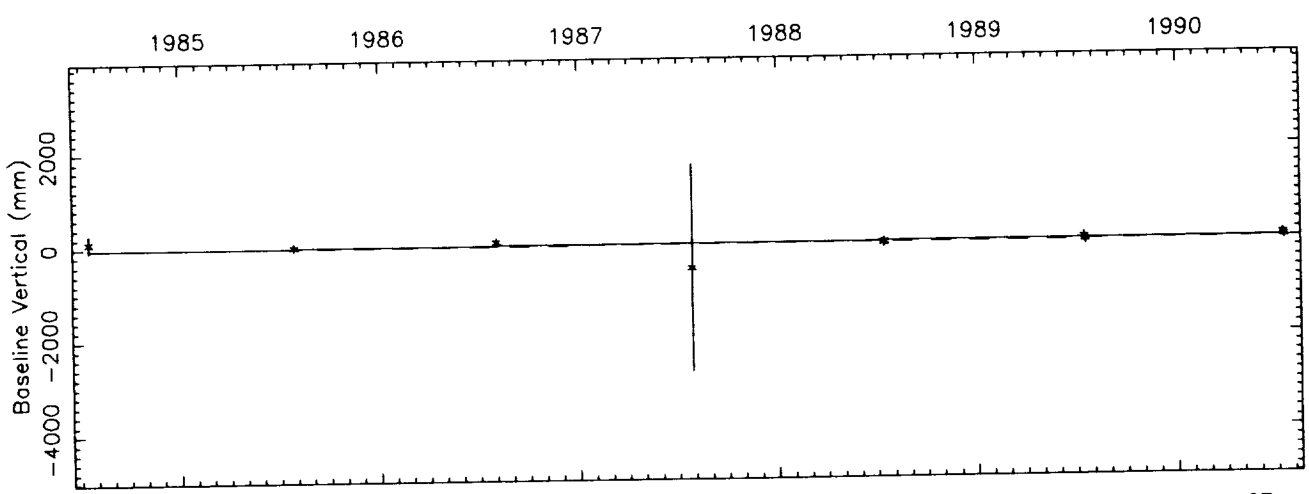


Observed Rate = 6.6 ± 1.7 mm/yr

NUVEL model rate = –.7 mm/yr

Wrms of fit = 8.4 mm

Reduced Chi square = 1.94



Observed Rate = 8.5 ± 8.0 mm/yr

NUVEL model rate = 4.7 mm/yr

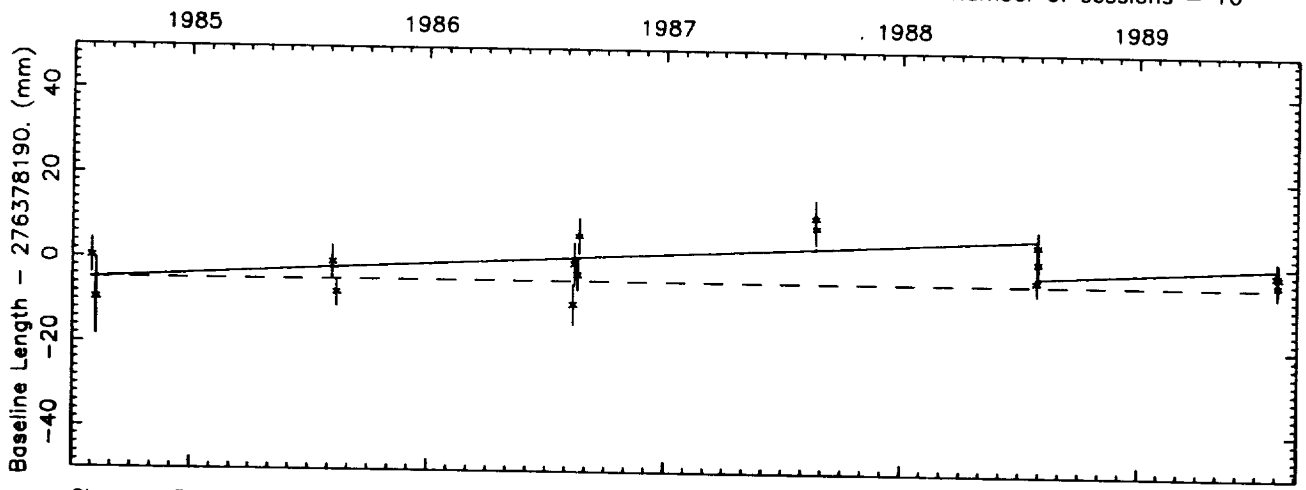
Wrms of fit = 34.2 mm

Reduced Chi square = .97

Vector baseline plots for GILCREEK-SOURDOGH

Baseline length = 276 kilometers

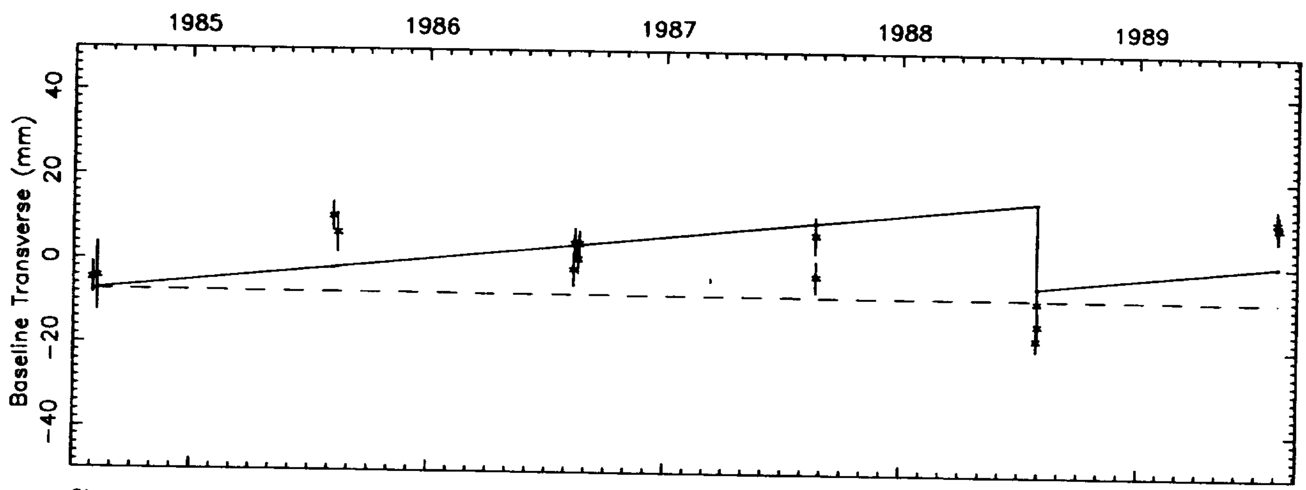
Number of sessions = 16



Observed Rate = 2.7 ± 1.7 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 4.7 mm
Weighted mean length = 276378189.1 mm
Offset = -8.7 ± 5.5 mm

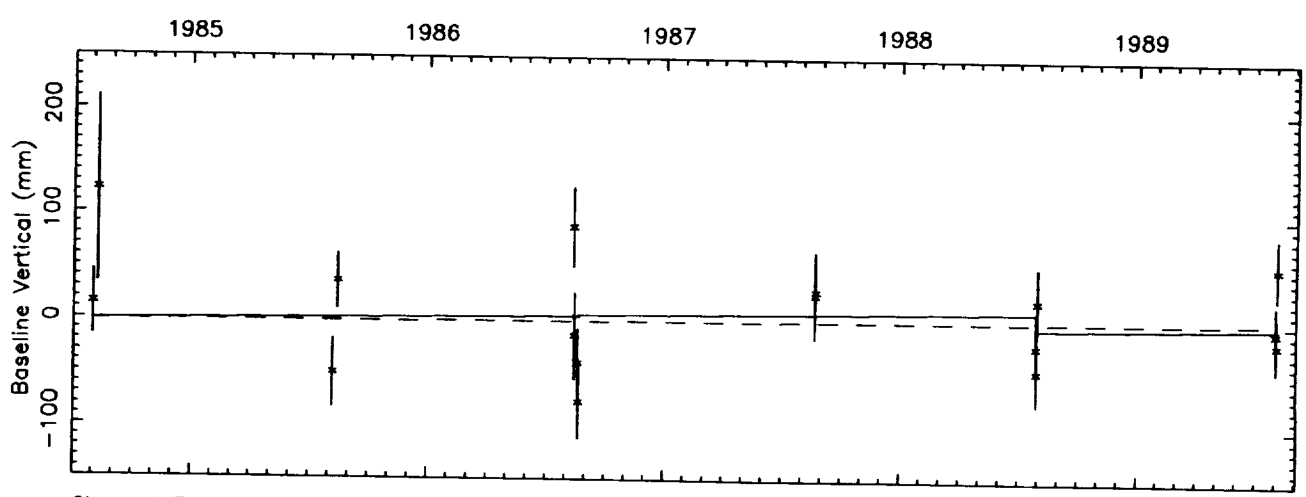
Reduced Chi square = 1.92



Observed Rate = 5.5 ± 3.1 mm/yr
NUVEL model rate = -.2 mm/yr

Wrms of fit = 8.2 mm
Offset = -19.9 ± 9.4 mm

Reduced Chi square = 6.93



Observed Rate = 3.1 ± 14.8 mm/yr
NUVEL model rate = .7 mm/yr

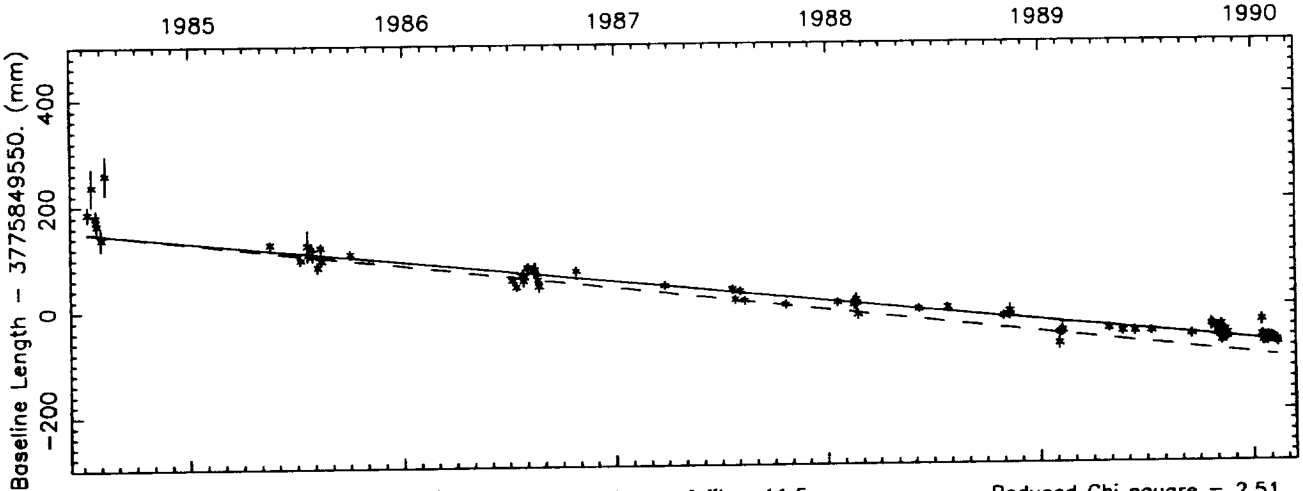
Wrms of fit = 41.2 mm
Offset = -16.4 ± 49.2 mm

Reduced Chi square = 2.05

Vector baseline plots for GILCREEK–VNDNBERG

Baseline length = 3776 kilometers

Number of sessions = 78



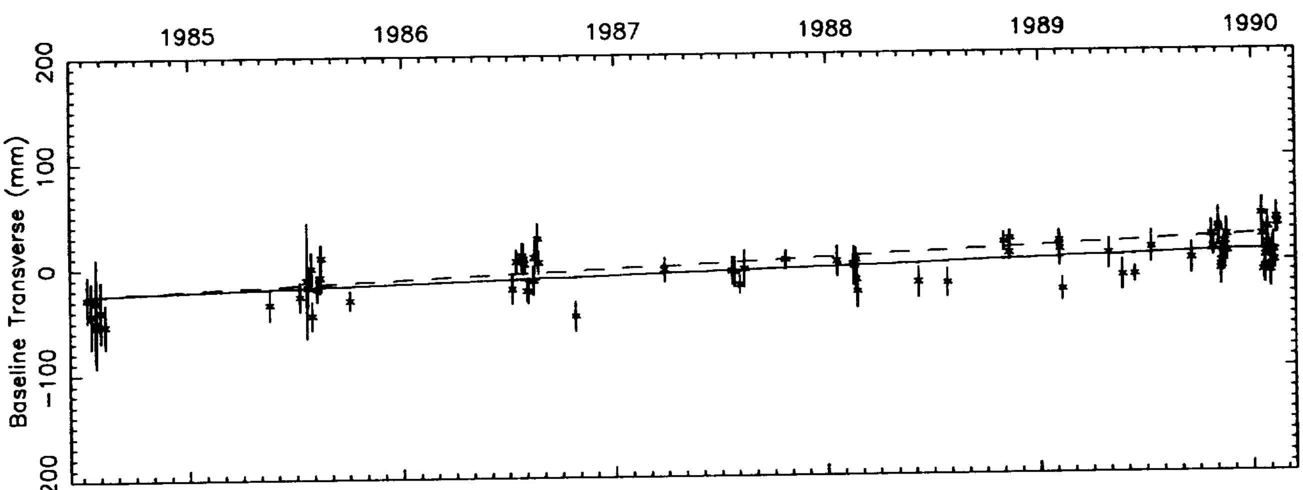
Observed Rate = −39.6 ± .8 mm/yr

NUVEL model rate = −44.5 mm/yr

Wrms of fit = 11.5 mm

Weighted mean length = 3775849552.3 mm

Reduced Chi square = 2.51

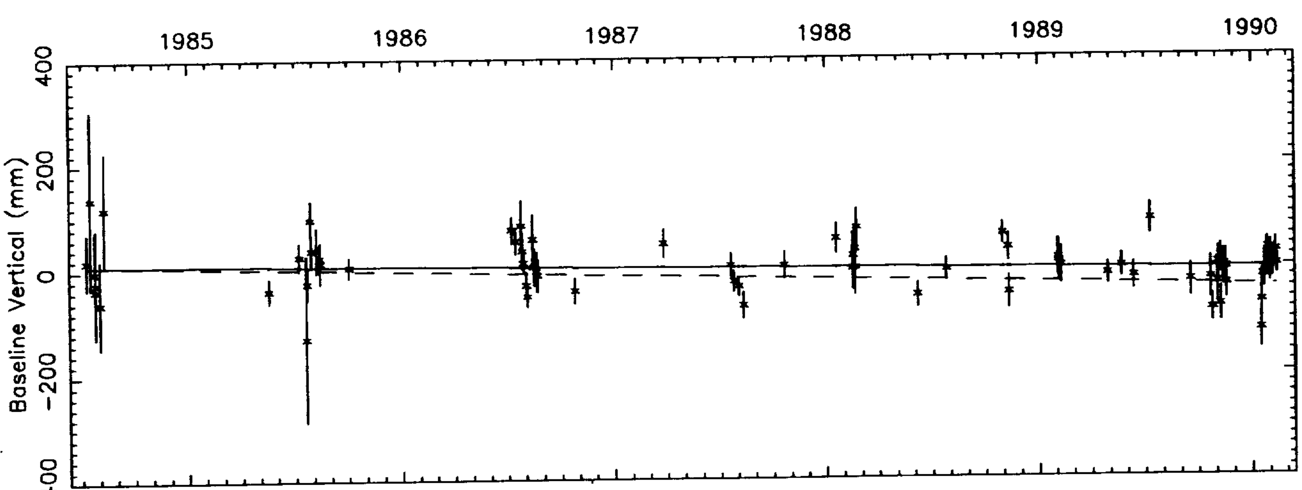


Observed Rate = 6.4 ± 1.1 mm/yr

NUVEL model rate = 9.0 mm/yr

Wrms of fit = 15.7 mm

Reduced Chi square = 1.79



Observed Rate = −2.7 ± 2.6 mm/yr

NUVEL model rate = −8.8 mm/yr

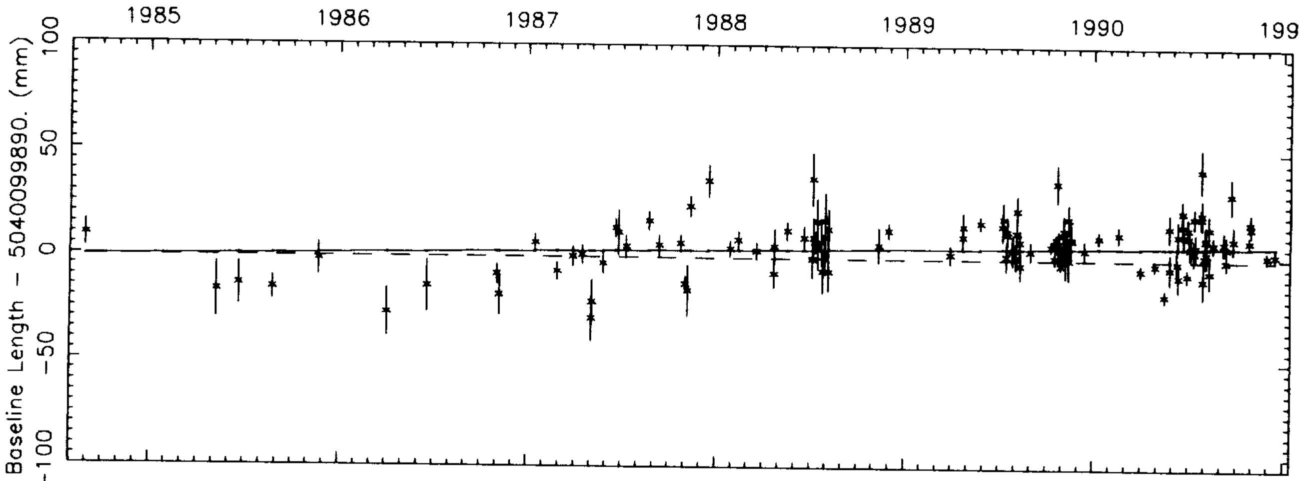
Wrms of fit = 37.8 mm

Reduced Chi square = 1.89

Vector baseline plots for GILCREEK–WESTFORD

Baseline length = 5040 kilometers

Number of sessions = 131



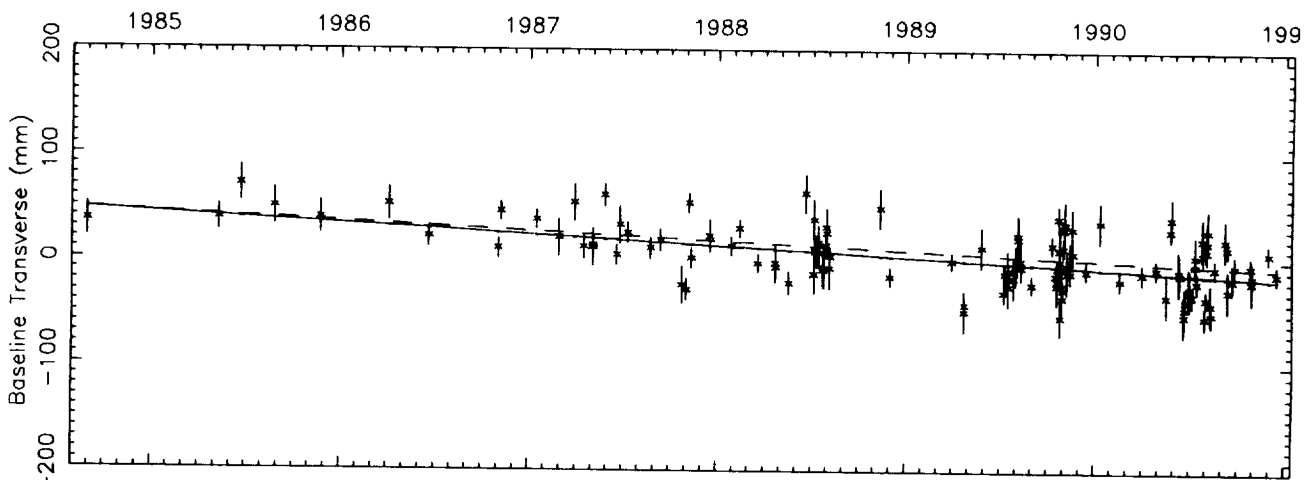
Observed Rate = 1.0 ± .7 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 8.6 mm

Weighted mean length = 5040099894.3 mm

Reduced Chi square = 3.68

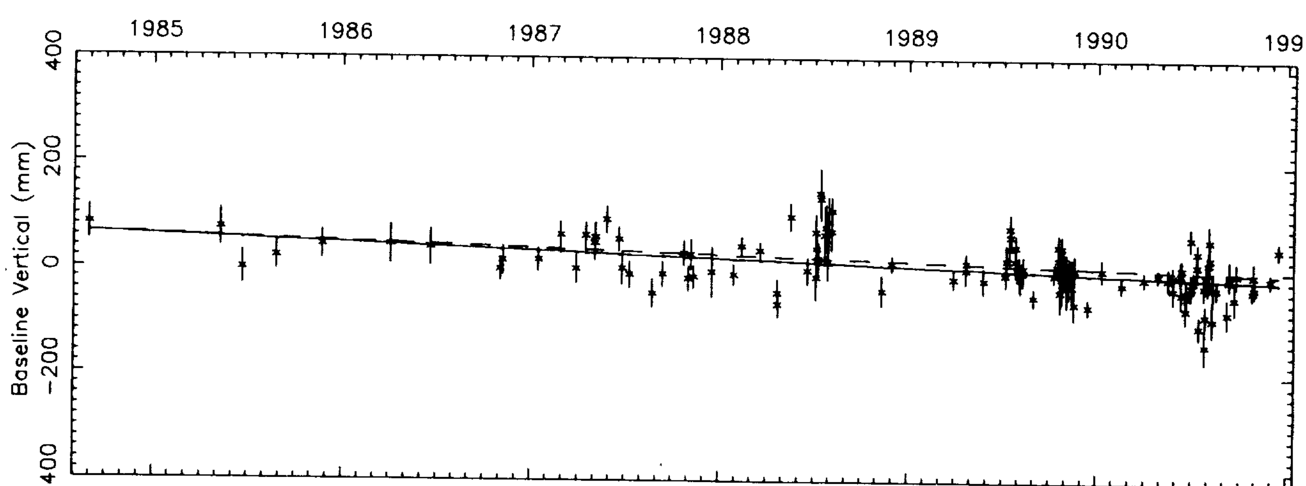


Observed Rate = –10.2 ± 1.4 mm/yr

NUVEL model rate = –8.8 mm/yr

Wrms of fit = 20.1 mm

Reduced Chi square = 3.06



Observed Rate = –13.5 ± 2.5 mm/yr

NUVEL model rate = –11.3 mm/yr

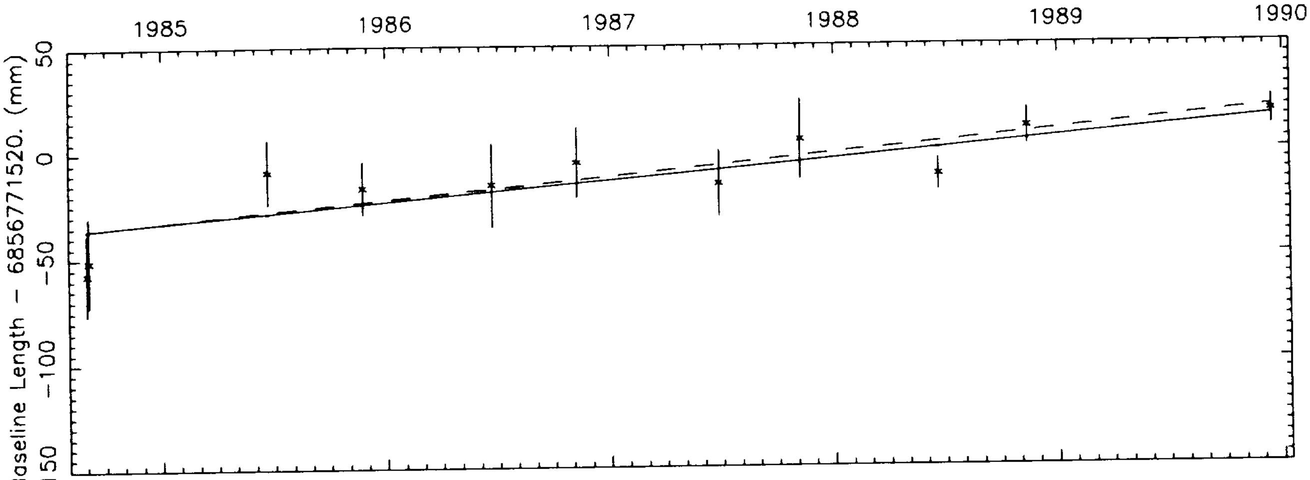
Wrms of fit = 34.5 mm

Reduced Chi square = 2.49

Vector baseline plots for GILCREEK–WETTZELL

Baseline length = 6857 kilometers

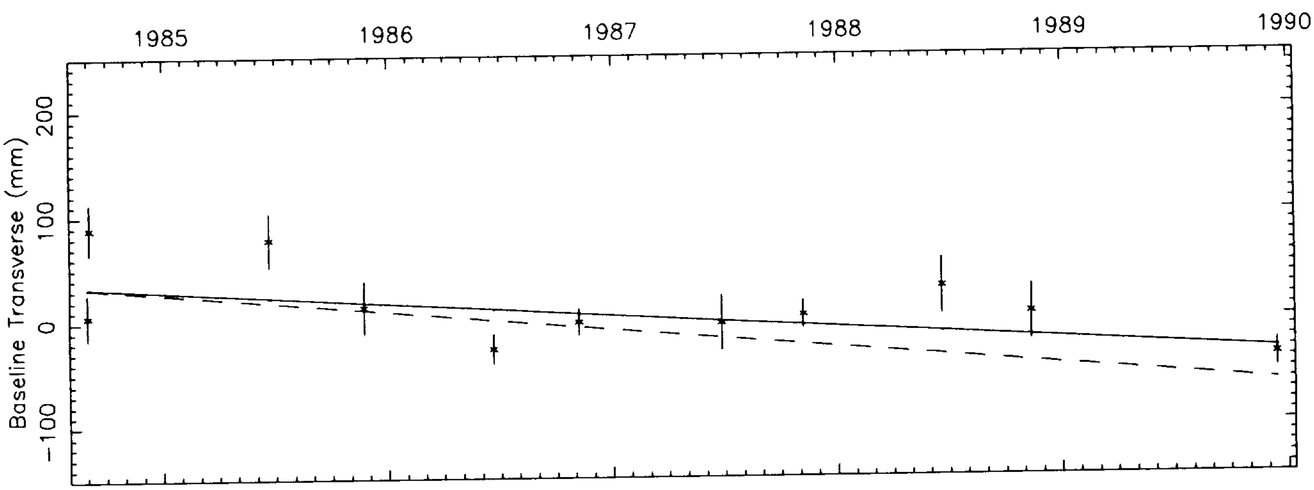
Number of sessions = 11



Observed Rate = 9.8 ± 2.0 mm/yr
NUVEL model rate = 10.6 mm/yr

Wrms of fit = 9.9 mm
Weighted mean length = 6856771517.0 mm

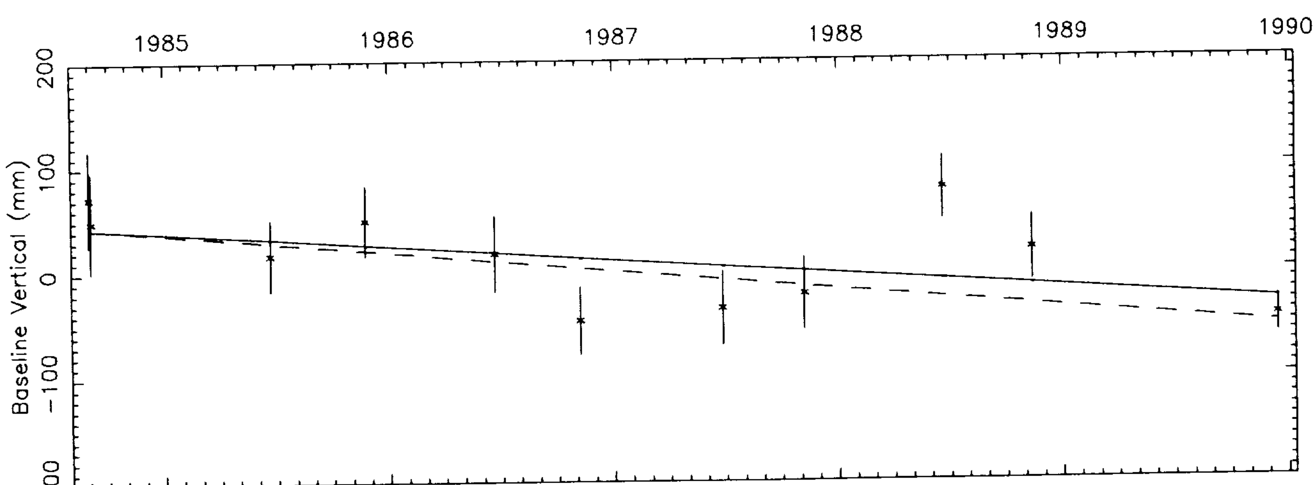
Reduced Chi square = .86



Observed Rate = −12.1 ± 5.4 mm/yr
NUVEL model rate = −17.9 mm/yr

Wrms of fit = 26.2 mm

Reduced Chi square = 2.59



Observed Rate = −13.7 ± 7.2 mm/yr
NUVEL model rate = −18.1 mm/yr

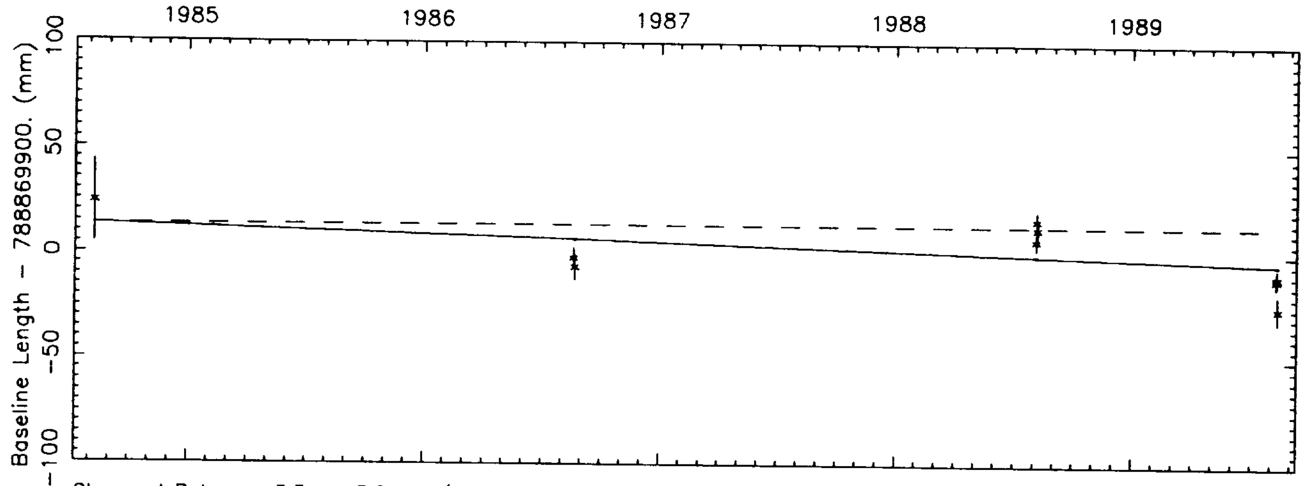
Wrms of fit = 38.2 mm

Reduced Chi square = 1.86

Vector baseline plots for GILCREEK–WHTHORSE

Baseline length = 789 kilometers

Number of sessions = 9



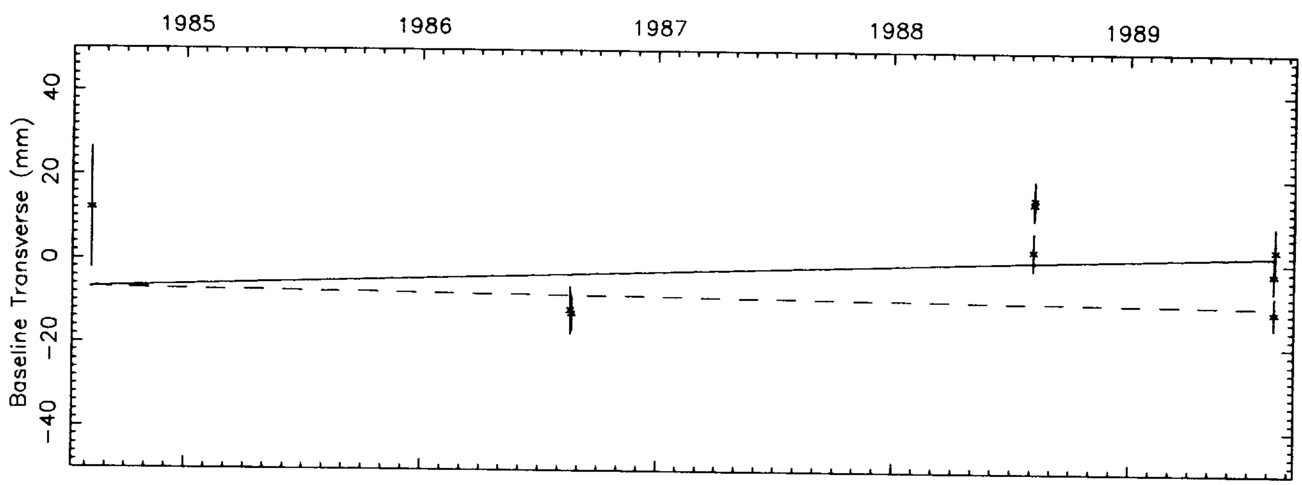
Observed Rate = –3.5 ± 3.9 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 11.3 mm

Weighted mean length = 788869899.5 mm

Reduced Chi square = 7.57

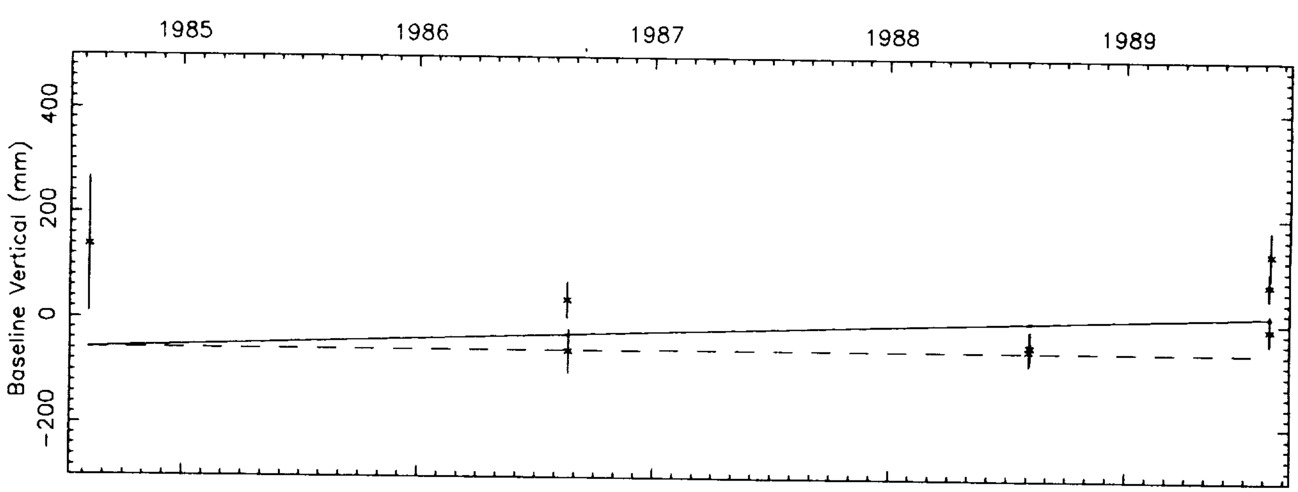


Observed Rate = 1.8 ± 3.4 mm/yr

NUVEL model rate = –.7 mm/yr

Wrms of fit = 10.6 mm

Reduced Chi square = 6.56



Observed Rate = 14.3. ± 20.3 mm/yr

NUVEL model rate = .2 mm/yr

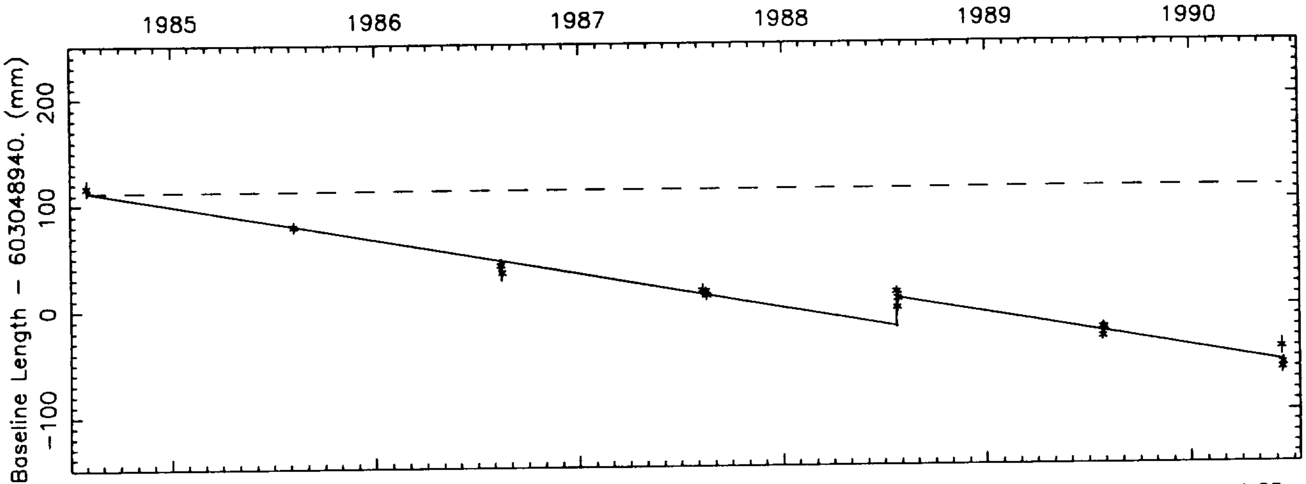
Wrms of fit = 58.6 mm

Reduced Chi square = 3.89

Vector baseline plots for GILCREEK–YAKATAGA

Baseline length = 603 kilometers

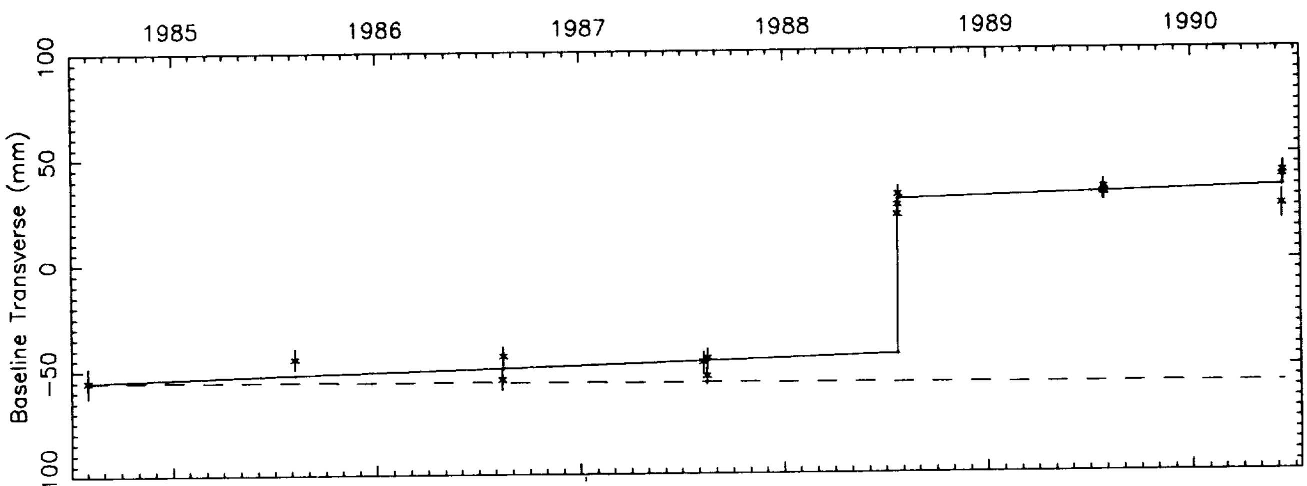
Number of sessions = 16



Observed Rate = –33.1 ± 1.8 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 5.1 mm
Weighted mean length = 603048940.4 mm
Offset = 27.0 ± 5.4 mm

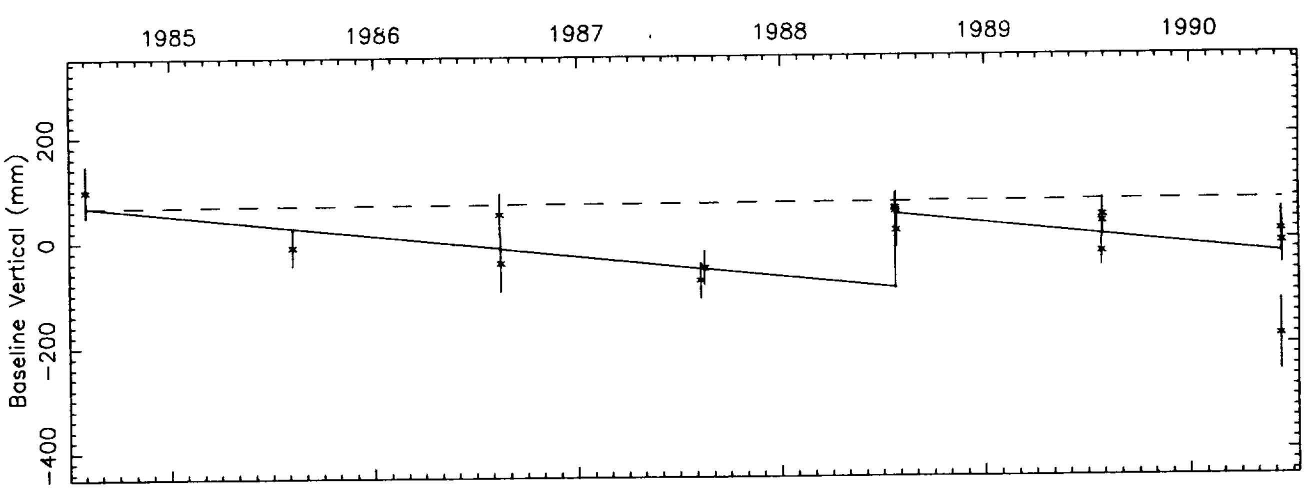
Reduced Chi square = 1.25



Observed Rate = 2.9 ± 1.6 mm/yr
NUVEL model rate = –.5 mm/yr

Wrms of fit = 4.7 mm
Offset = 73.1 ± 5.0 mm

Reduced Chi square = 1.30



Observed Rate = –40.4 ± 11.8 mm/yr
NUVEL model rate = 1.3 mm/yr

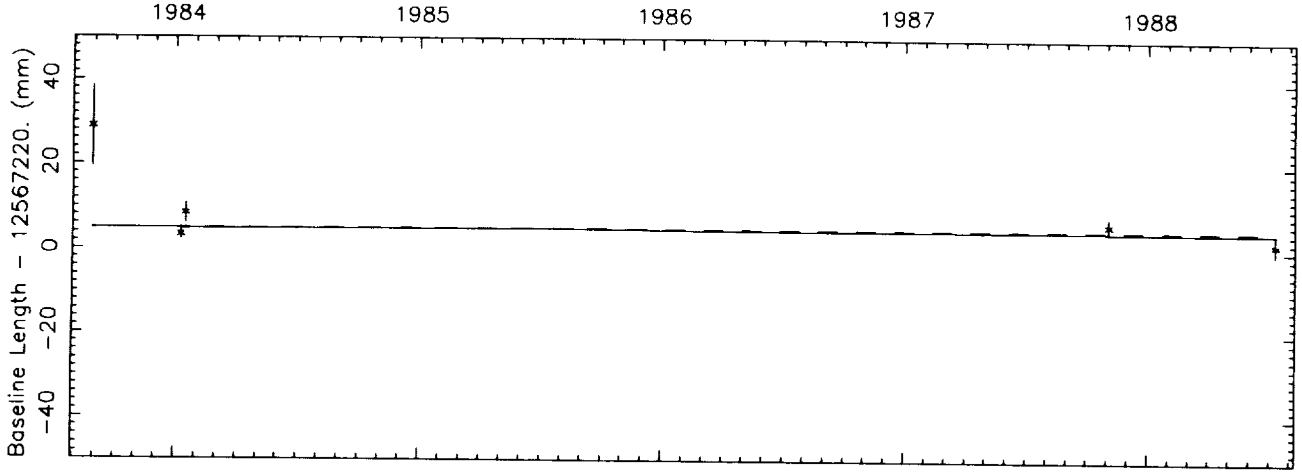
Wrms of fit = 35.1 mm
Offset = 140.8 ± 34.8 mm

Reduced Chi square = 1.20

Vector baseline plots for GOLDVENU–MOJAVE12

Baseline length = 13 kilometers

Number of sessions = 5



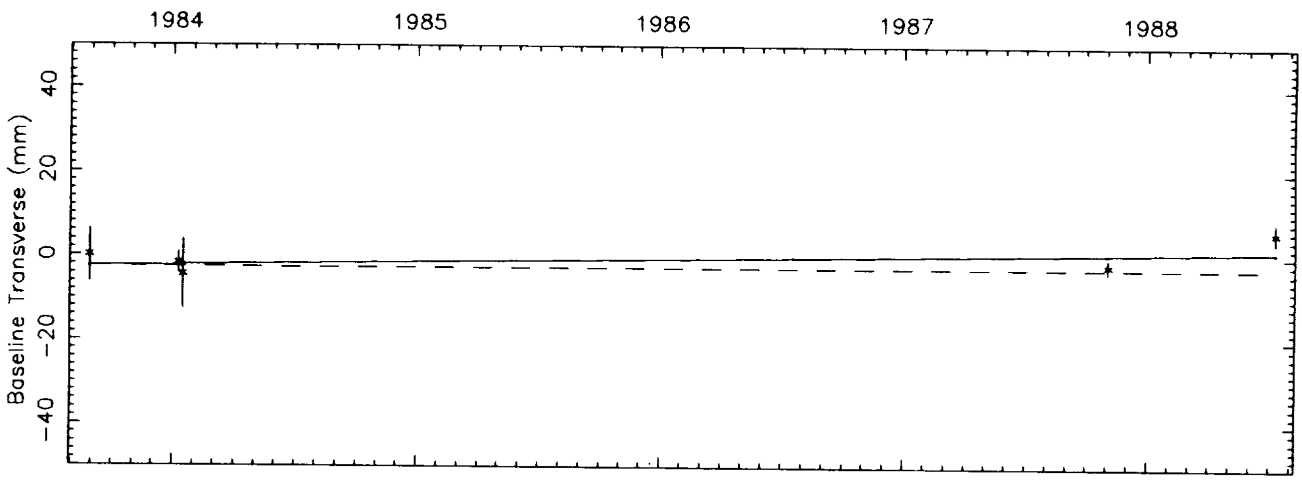
Observed Rate = –.1 ± .9 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 3.0 mm

Weighted mean length = 12567224.6 mm

Reduced Chi square = 3.88

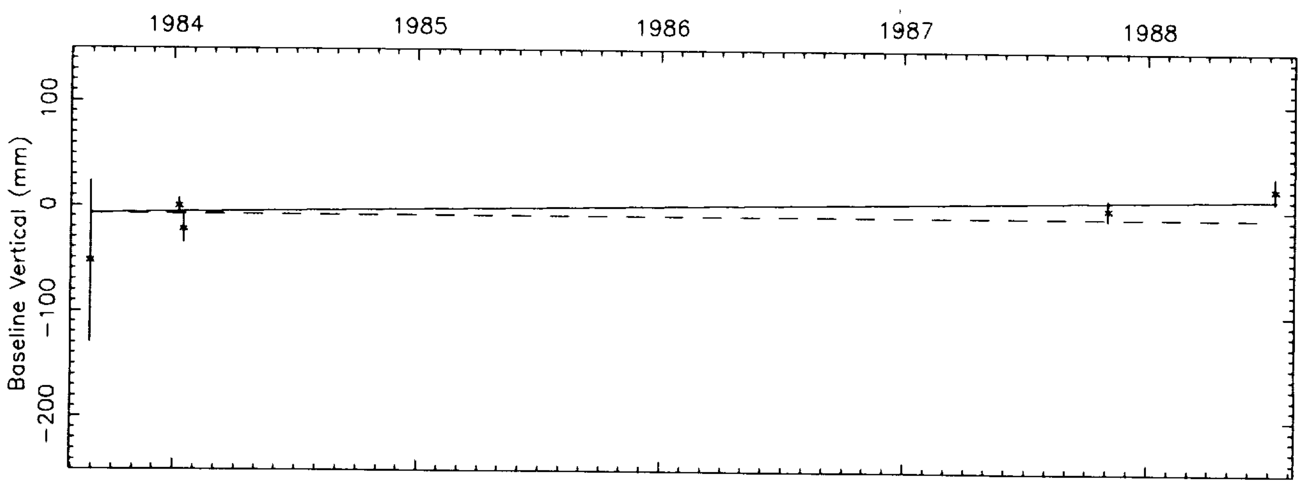


Observed Rate = .8 ± .9 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 3.0 mm

Reduced Chi square = 2.24



Observed Rate = 3.7 ± 2.7 mm/yr

NUVEL model rate = .0 mm/yr

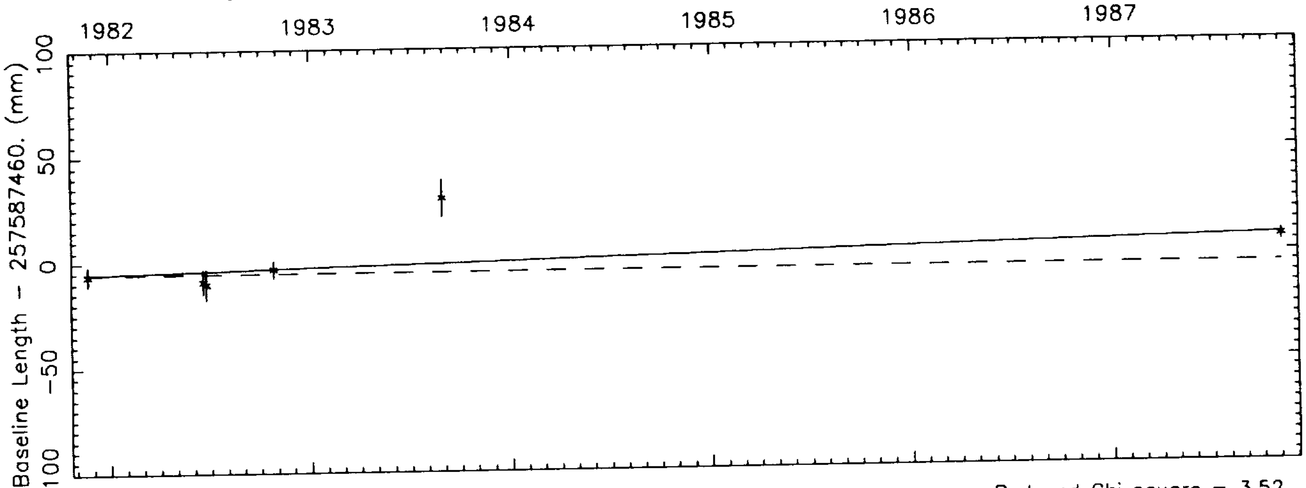
Wrms of fit = 9.5 mm

Reduced Chi square = 1.25

Vector baseline plots for GOLDVENU–OVRO 130

Baseline length = 258 kilometers

Number of sessions = 6



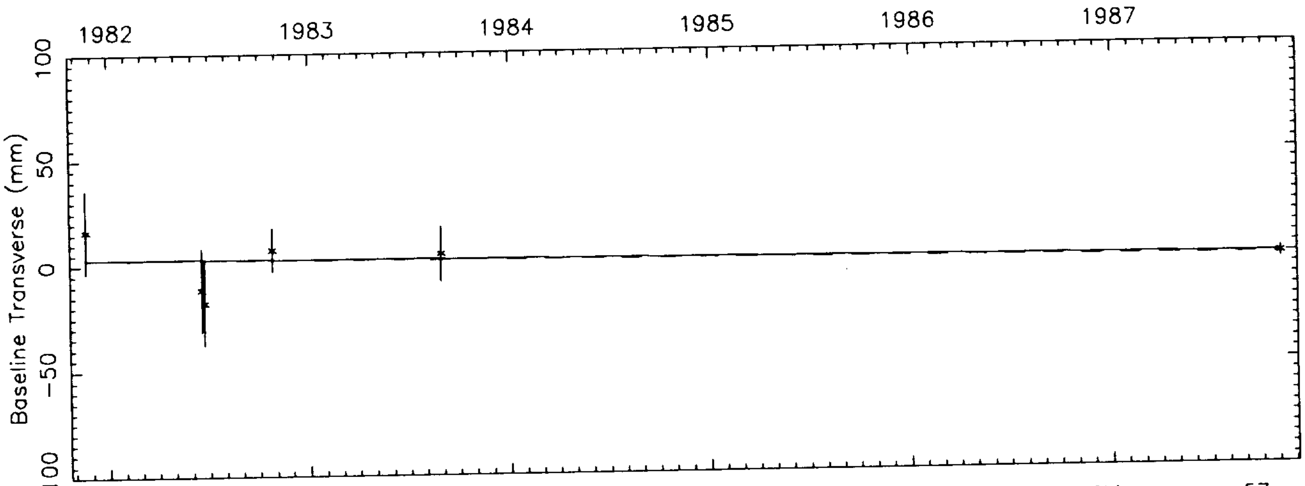
Observed Rate = 2.2 ± 1.3 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.9 mm

Weighted mean length = 257587461.1 mm

Reduced Chi square = 3.52

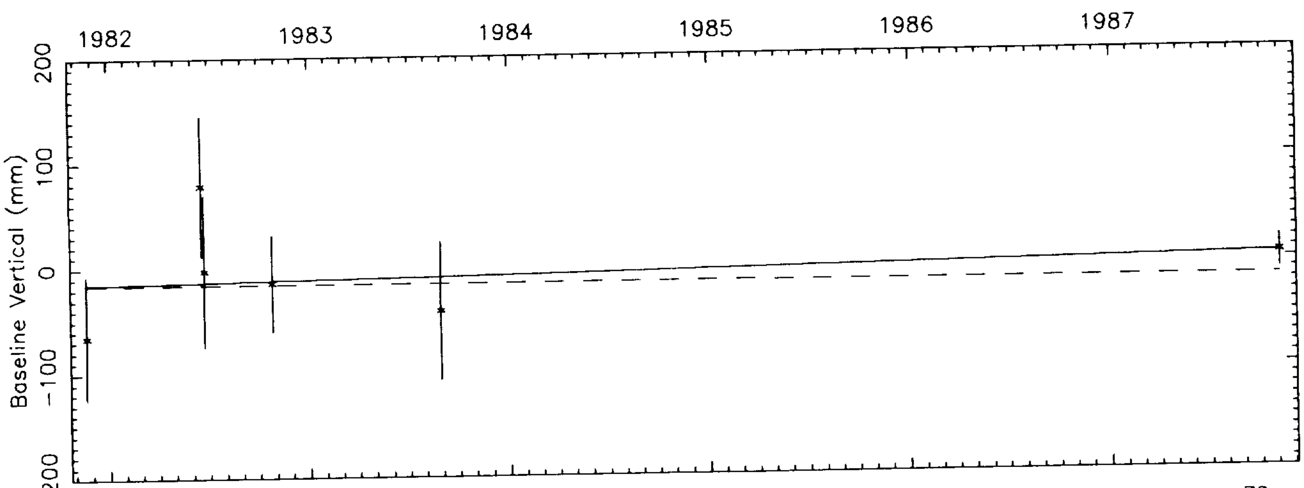


Observed Rate = –.6 ± 1.1 mm/yr

NUVEL model rate = –.6 mm/yr

Wrms of fit = 3.8 mm

Reduced Chi square = .57



Observed Rate = 3.3 ± 5.0 mm/yr

NUVEL model rate = –.2 mm/yr

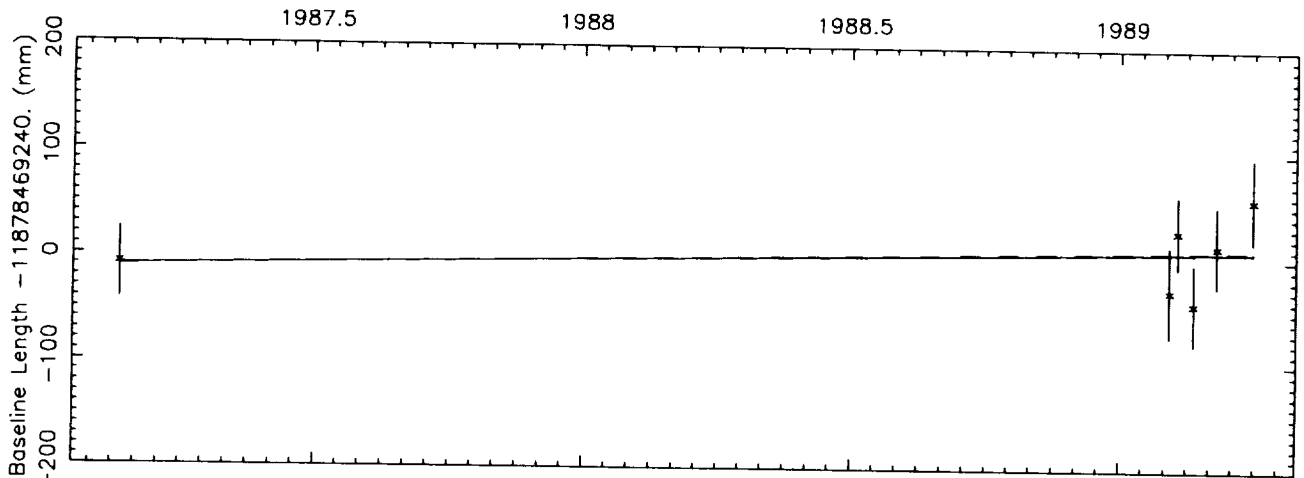
Wrms of fit = 22.8 mm

Reduced Chi square = .72

Vector baseline plots for HARTRAO −HRAS 085

Baseline length = 11878 kilometers

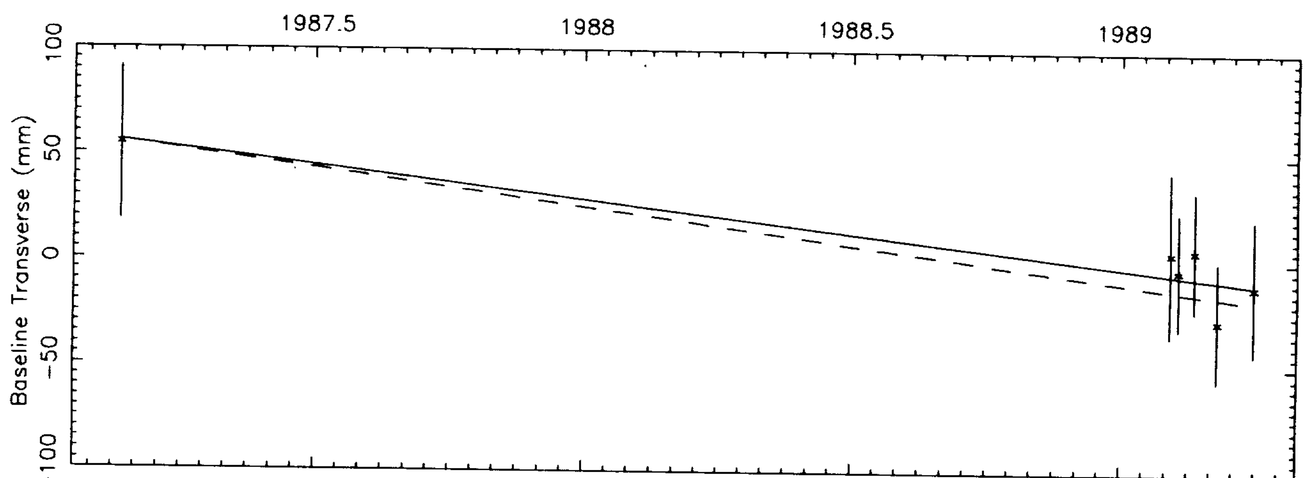
Number of sessions = 6



Observed Rate = 8.8 ± 19.0 mm/yr
NUVEL model rate = 9.4 mm/yr

Wrms of fit = 31.3 mm
Weighted mean length = 11878469243.6 mm

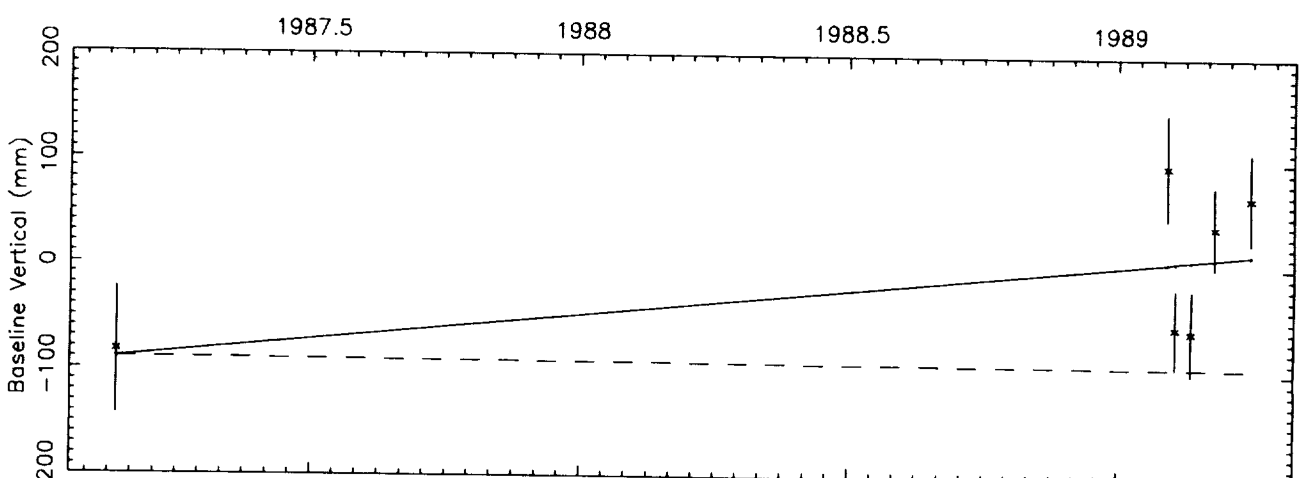
Reduced Chi square = 1.05



Observed Rate = −31.5 ± 8.3 mm/yr
NUVEL model rate = −35.4 mm/yr

Wrms of fit = 10.9 mm

Reduced Chi square = .18



Observed Rate = 48.6 ± 51.3 mm/yr
NUVEL model rate = −2.3 mm/yr

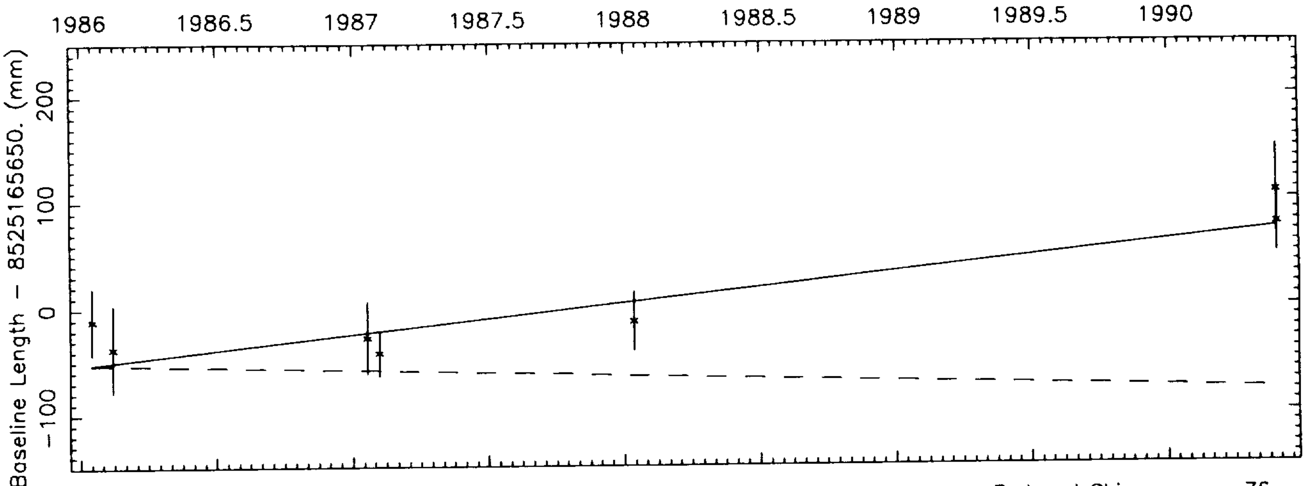
Wrms of fit = 58.7 mm

Reduced Chi square = 2.77

Vector baseline plots for HARTRAO −ONSALA60

Baseline length = 8525 kilometers

Number of sessions = 7



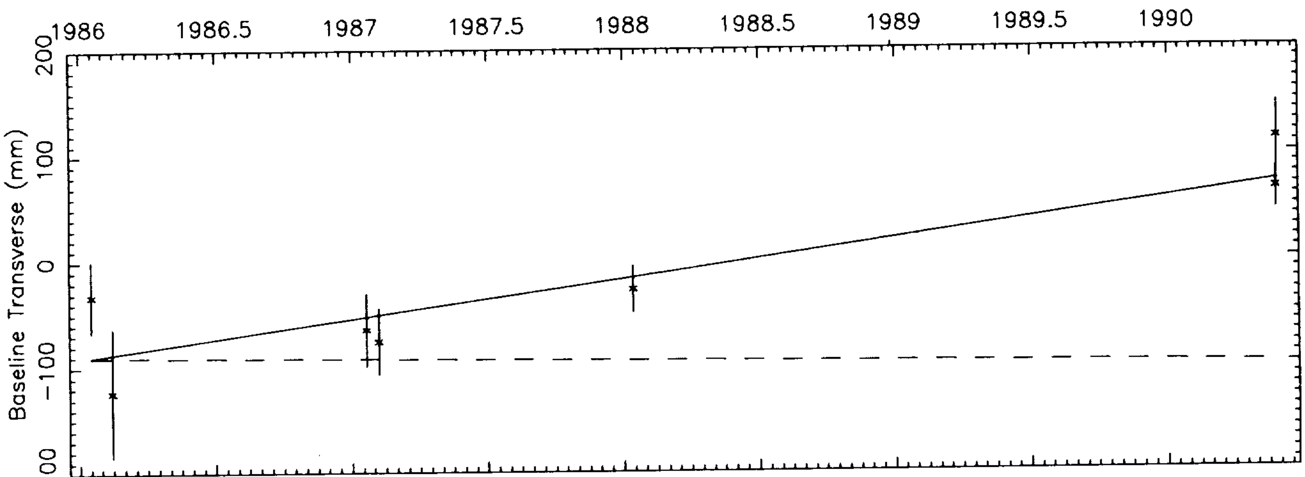
Observed Rate = 28.6 ± 6.3 mm/yr

NUVEL model rate = −6.4 mm/yr

Wrms of fit = 22.1 mm

Weighted mean length = 8525165648.5 mm

Reduced Chi square = .76

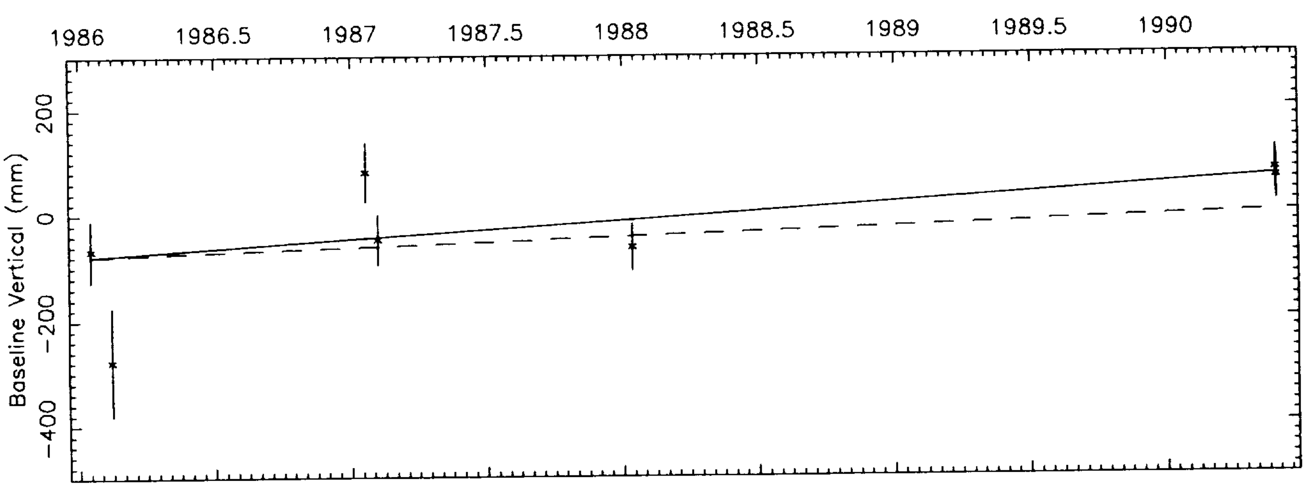


Observed Rate = 37.1 ± 7.2 mm/yr

NUVEL model rate = −2.1 mm/yr

Wrms of fit = 26.5 mm

Reduced Chi square = 1.15



Observed Rate = 33.5 ± 16.2 mm/yr

NUVEL model rate = 17.8 mm/yr

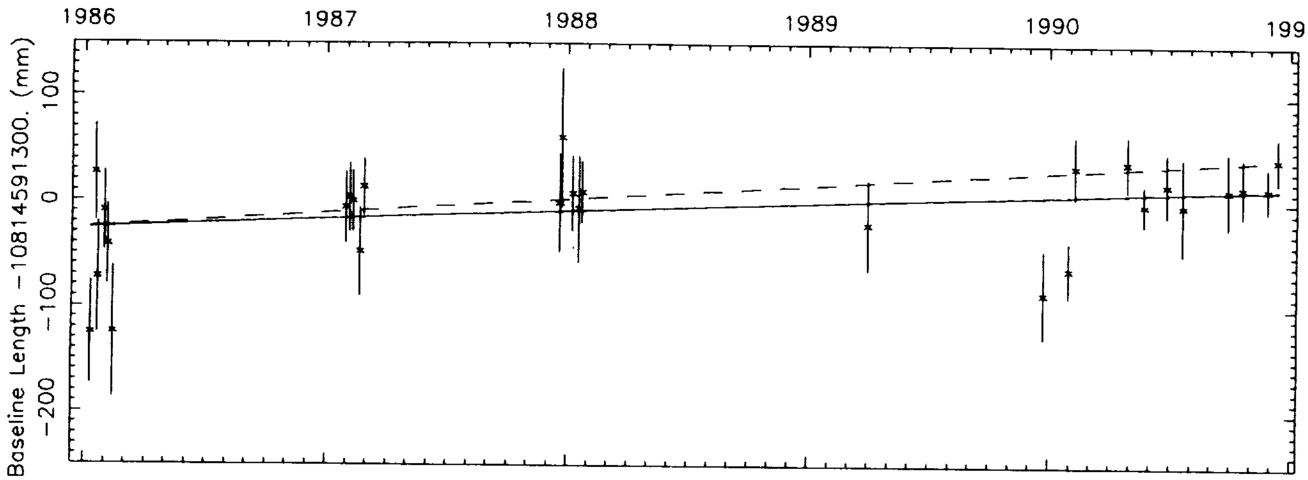
Wrms of fit = 61.4 mm

Reduced Chi square = 2.03

Vector baseline plots for HARTRAO –RICHMOND

Baseline length = 10815 kilometers

Number of sessions = 28



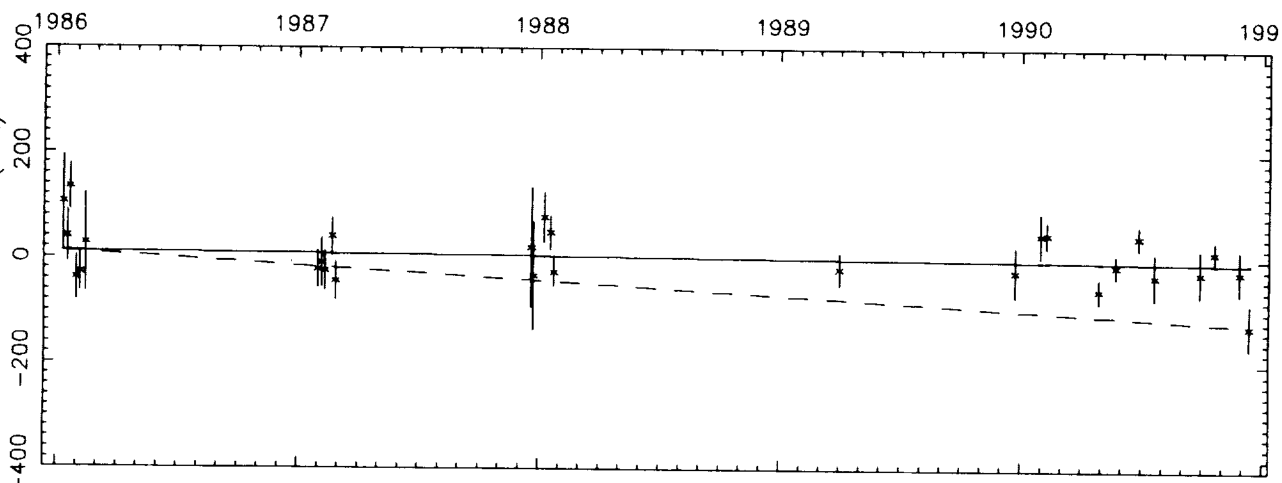
Observed Rate = 8.0 ± 3.8 mm/yr

NUVEL model rate = 13.7 mm/yr

Wrms of fit = 33.7 mm

Weighted mean length = 10814591299.0 mm

Reduced Chi square = 1.18

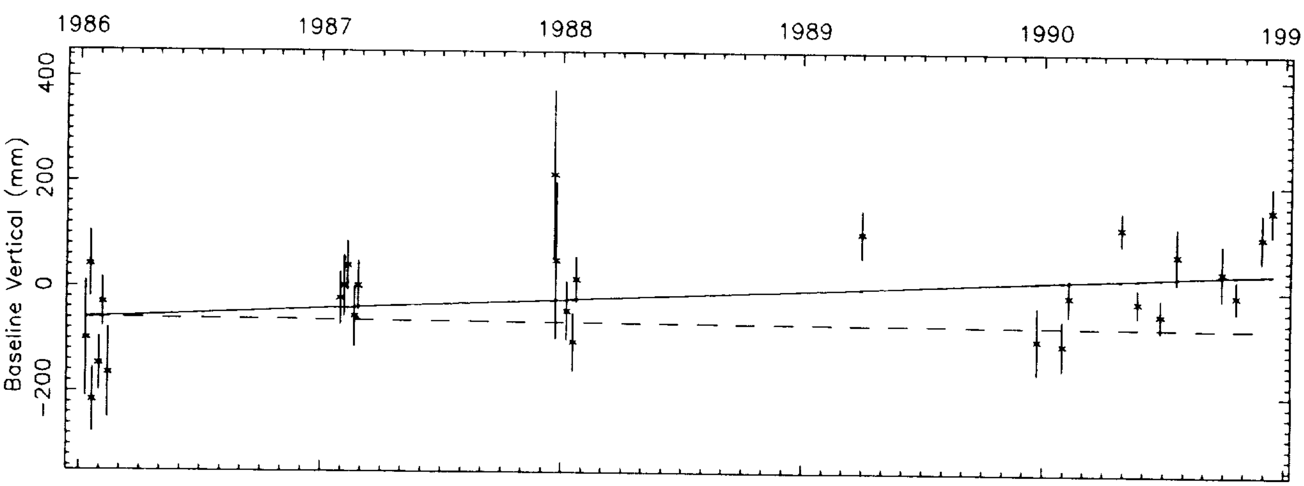


Observed Rate = –3.9 ± 5.3 mm/yr

NUVEL model rate = –27.7 mm/yr

Wrms of fit = 45.6 mm

Reduced Chi square = 1.83



Observed Rate = 19.0 ± 8.3 mm/yr

NUVEL model rate = –2.6 mm/yr

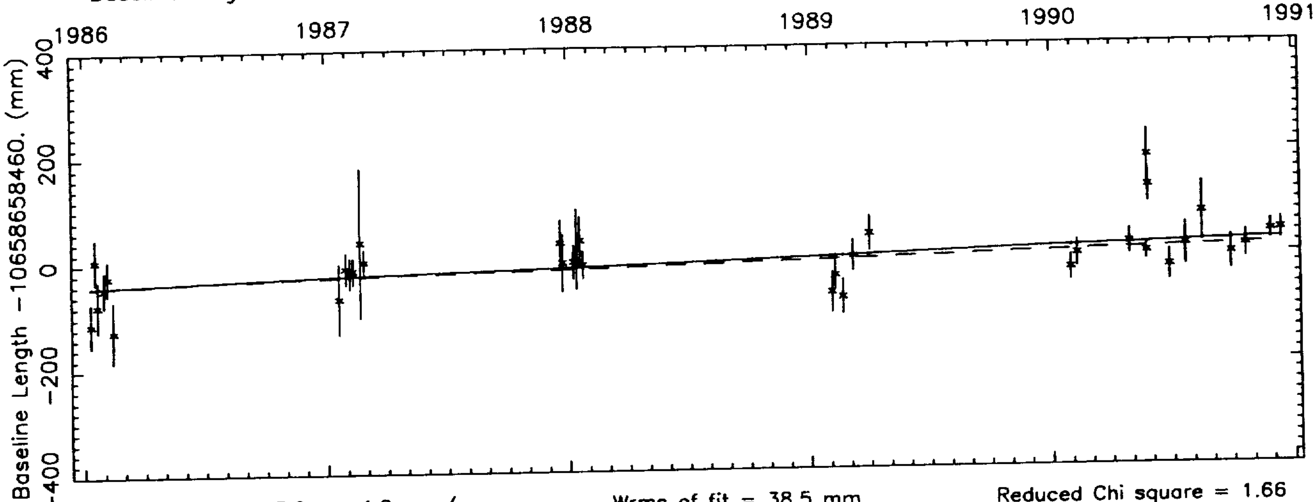
Wrms of fit = 73.0 mm

Reduced Chi square = 2.62

Vector baseline plots for HARTRAO -WESTFORD

Baseline length = 10659 kilometers

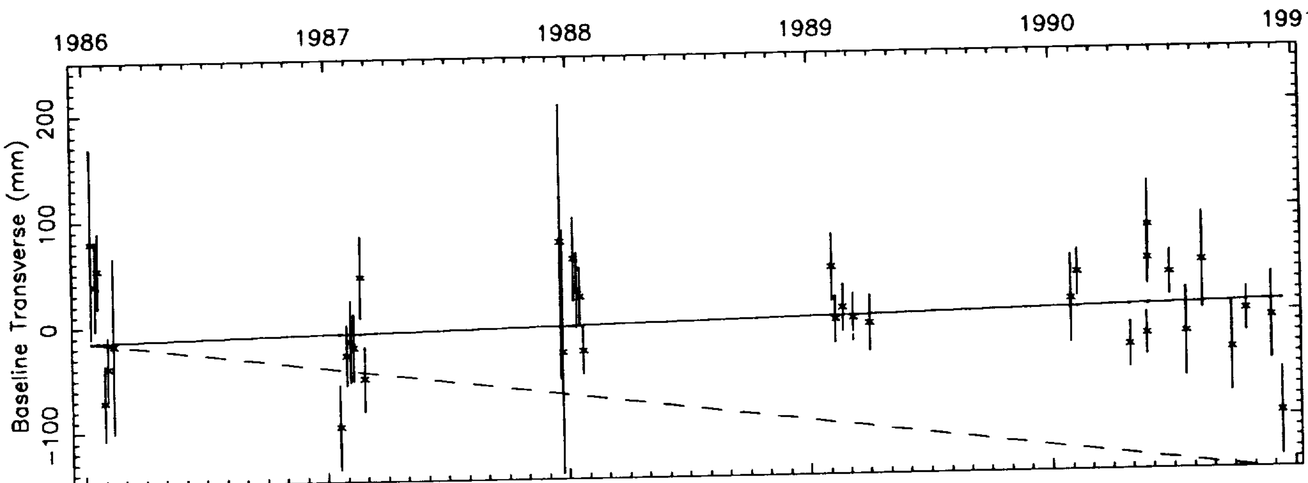
Number of sessions = 36



Observed Rate = 13.9 ± 4.0 mm/yr
NUVEL model rate = 12.0 mm/yr

Wrms of fit = 38.5 mm
Weighted mean length = 10658658461.1 mm

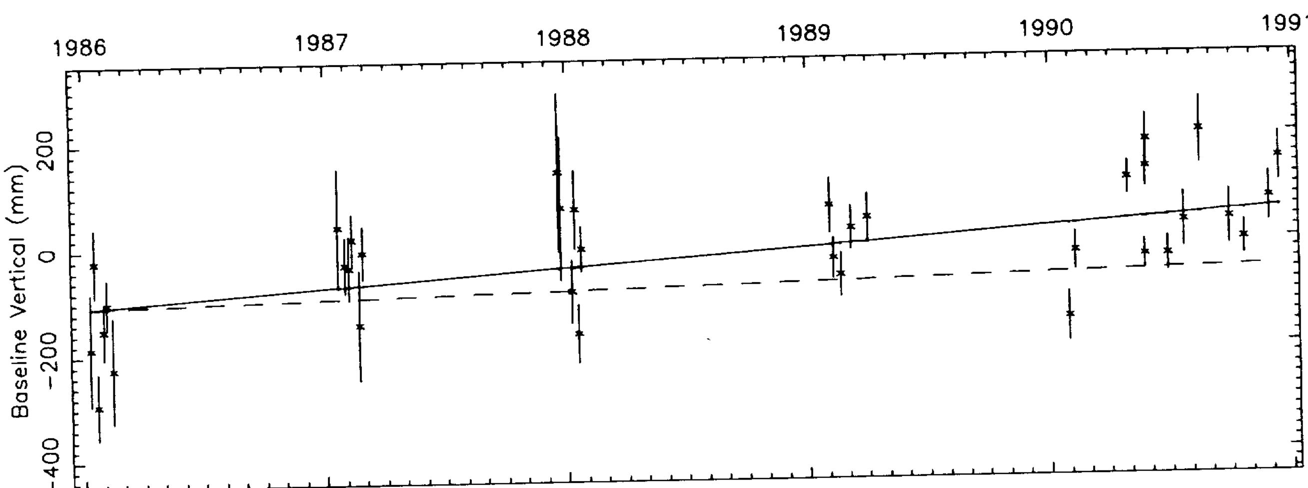
Reduced Chi square = 1.66



Observed Rate = 4.9 ± 4.1 mm/yr
NUVEL model rate = -28.1 mm/yr

Wrms of fit = 36.4 mm

Reduced Chi square = 1.51



Observed Rate = 33.1 ± 8.8 mm/yr
NUVEL model rate = 10.9 mm/yr

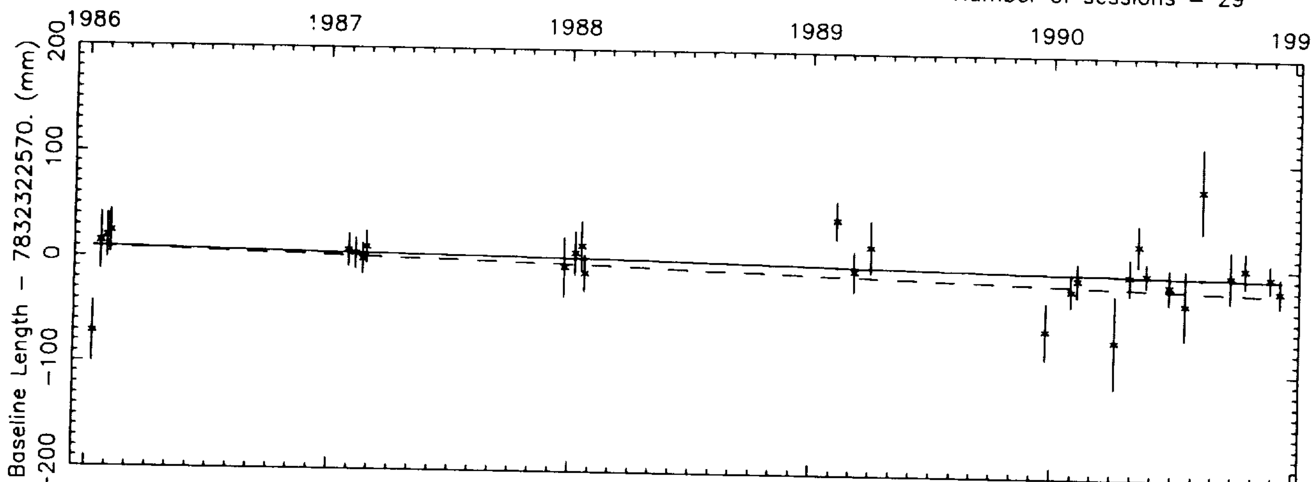
Wrms of fit = 79.7 mm

Reduced Chi square = 2.90

Vector baseline plots for HARTRAO –WETTZELL

Baseline length = 7832 kilometers

Number of sessions = 29



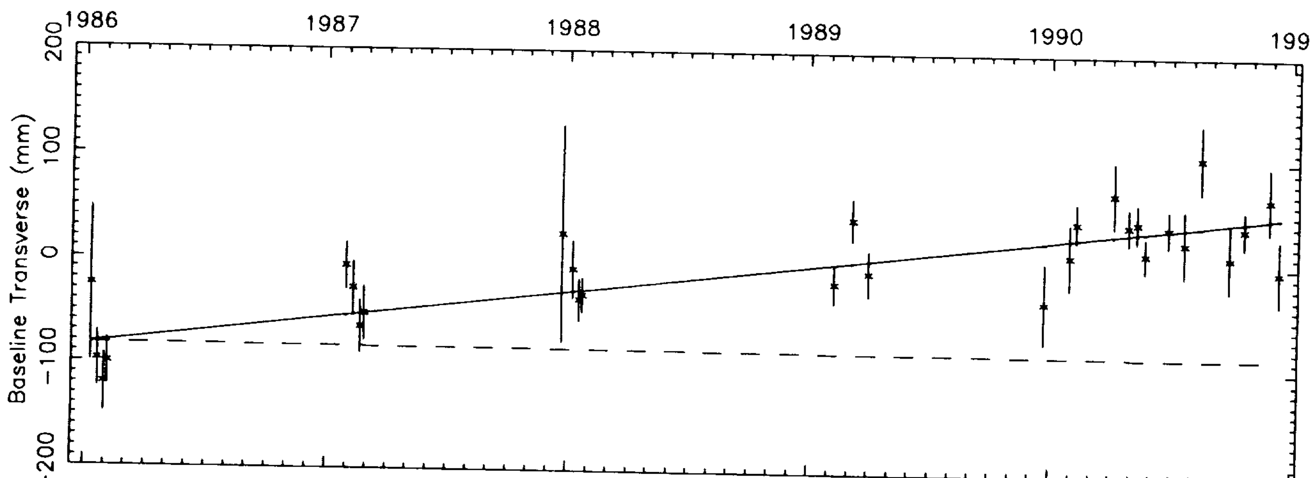
Observed Rate = –3.8 ± 2.2 mm/yr

NUVEL model rate = –6.6 mm/yr

Wrms of fit = 19.2 mm

Weighted mean length = 7832322567.7 mm

Reduced Chi square = 1.19

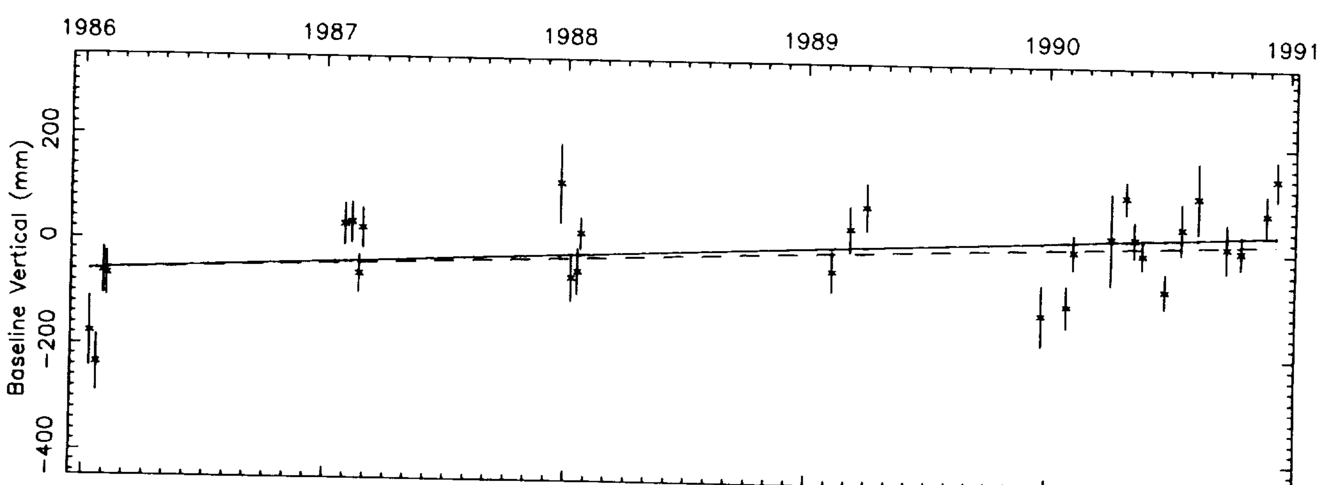


Observed Rate = 26.5 ± 3.0 mm/yr

NUVEL model rate = –1.0 mm/yr

Wrms of fit = 24.2 mm

Reduced Chi square = 1.18



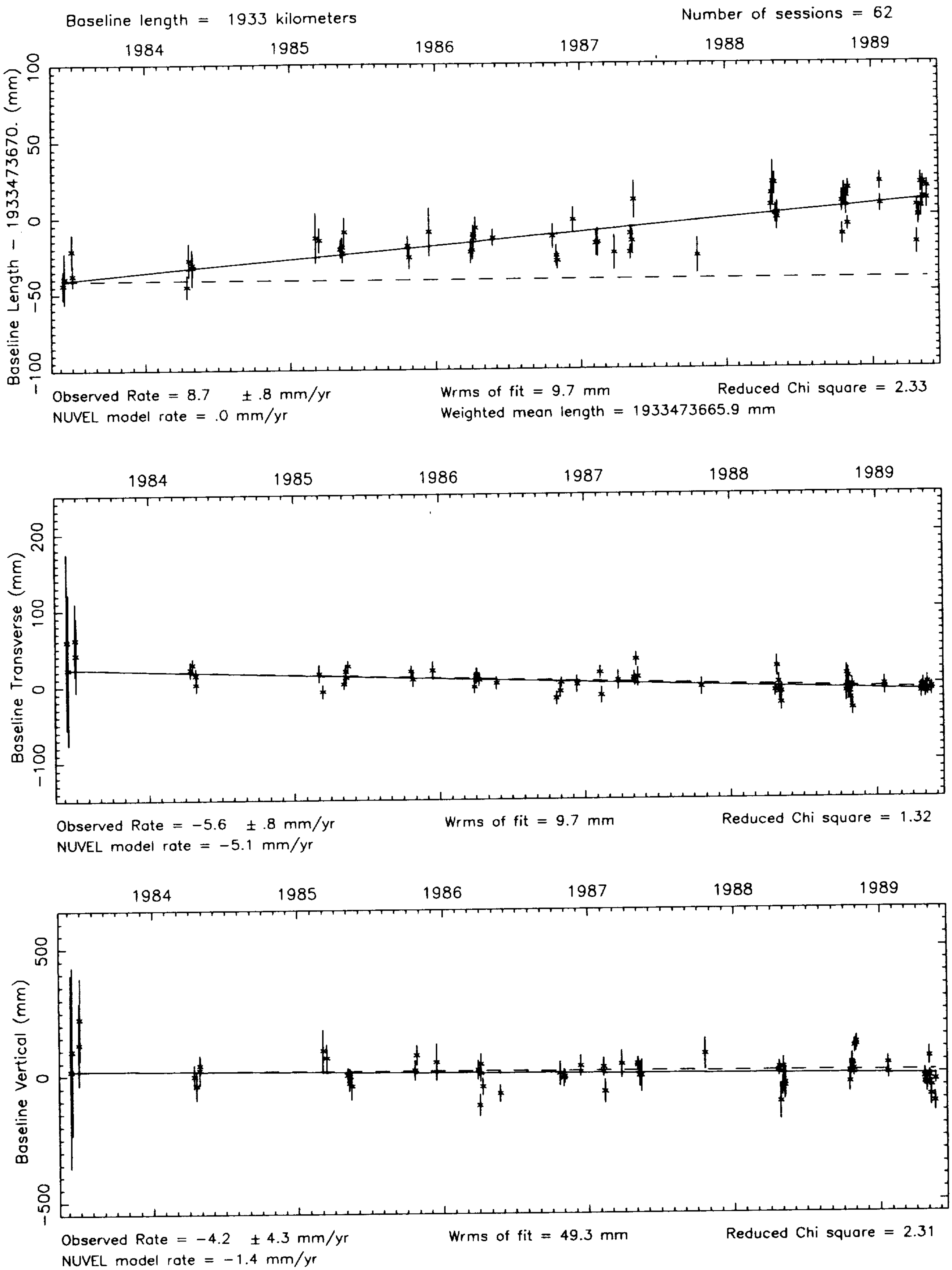
Observed Rate = 19.0 ± 7.7 mm/yr

NUVEL model rate = 15.7 mm/yr

Wrms of fit = 65.0 mm

Reduced Chi square = 2.89

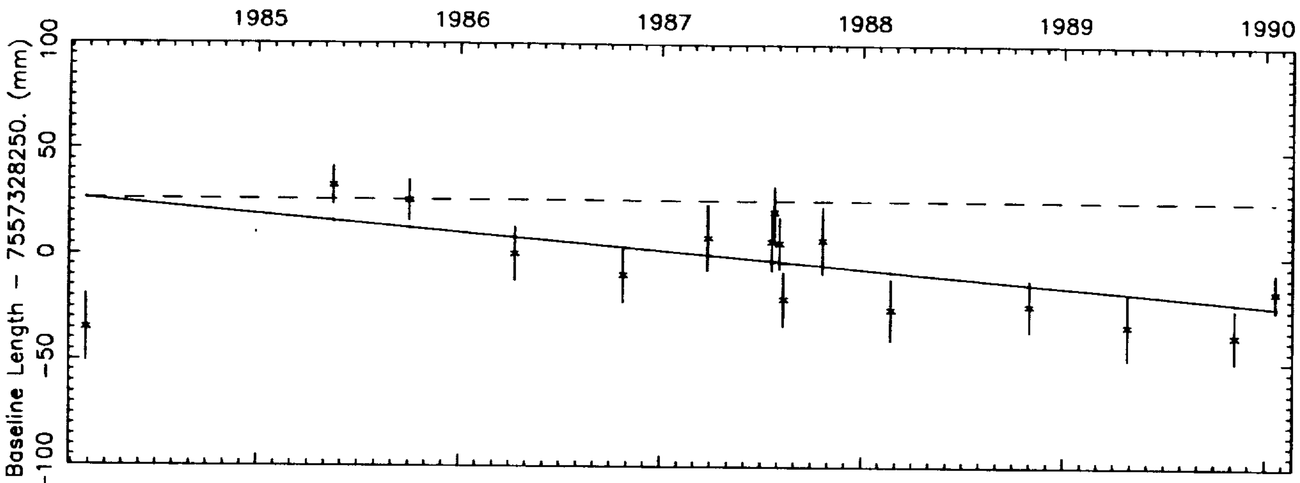
Vector baseline plots for HATCREEK–HRAS 085



Vector baseline plots for HATCREEK–KASHIMA

Baseline length = 7557 kilometers

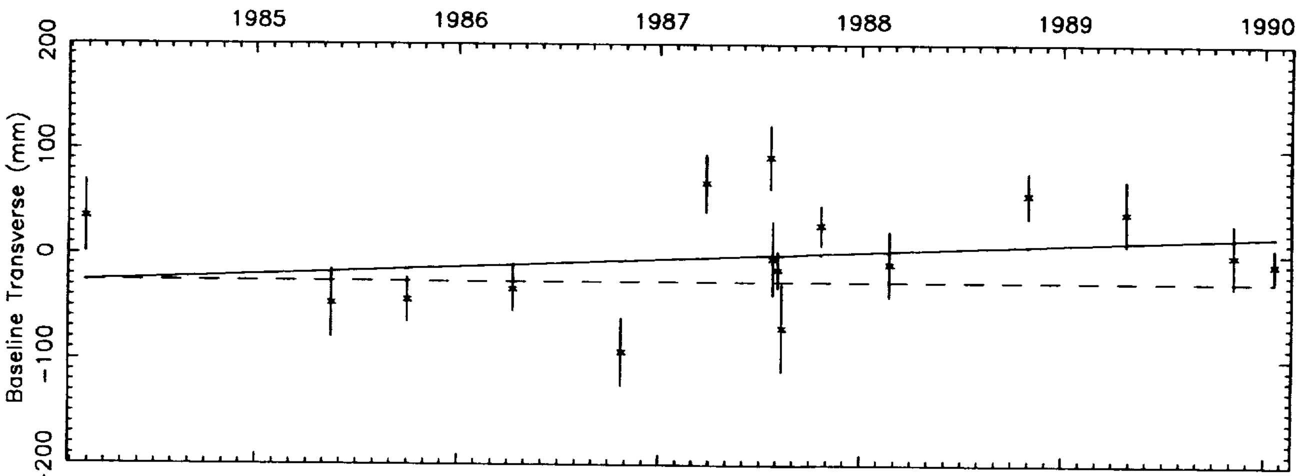
Number of sessions = 16



Observed Rate = −8.4 ± 2.9 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 17.9 mm
Weighted mean length = 7557328248.1 mm

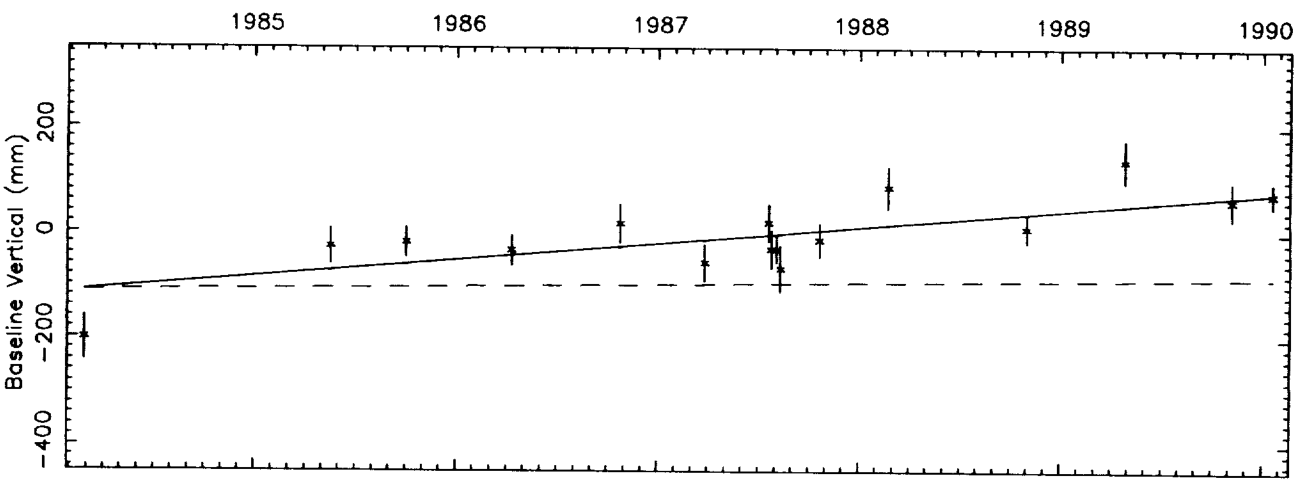
Reduced Chi square = 2.40



Observed Rate = 7.3 ± 7.2 mm/yr
NUVEL model rate = −.1 mm/yr

Wrms of fit = 41.5 mm

Reduced Chi square = 3.20



Observed Rate = 31.8 ± 7.0 mm/yr
NUVEL model rate = 4.6 mm/yr

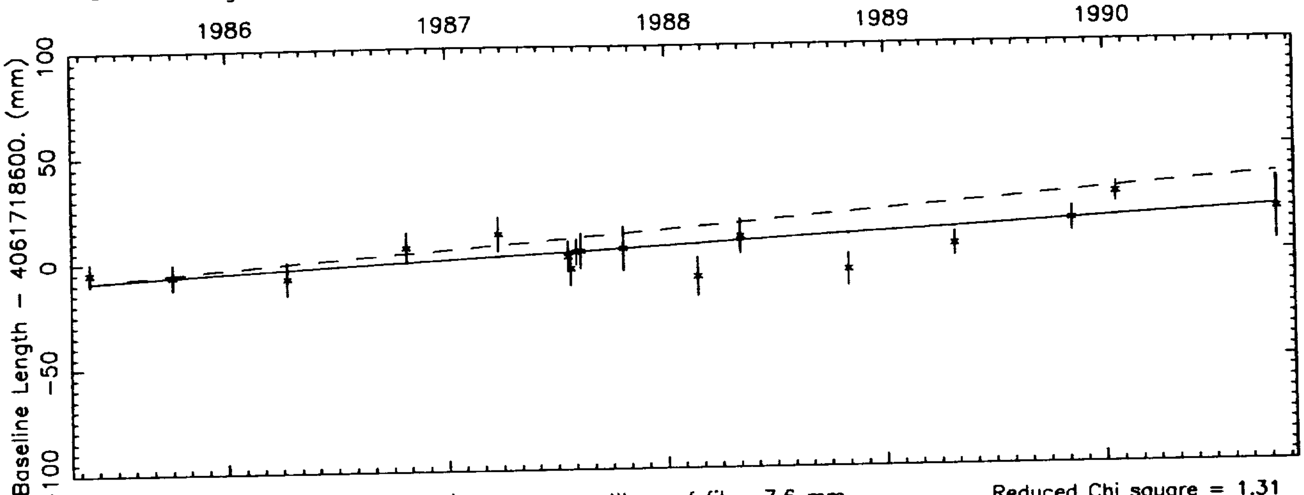
Wrms of fit = 40.6 mm

Reduced Chi square = 1.80

Vector baseline plots for HATCREEK–KAUAI

Baseline length = 4062 kilometers

Number of sessions = 17



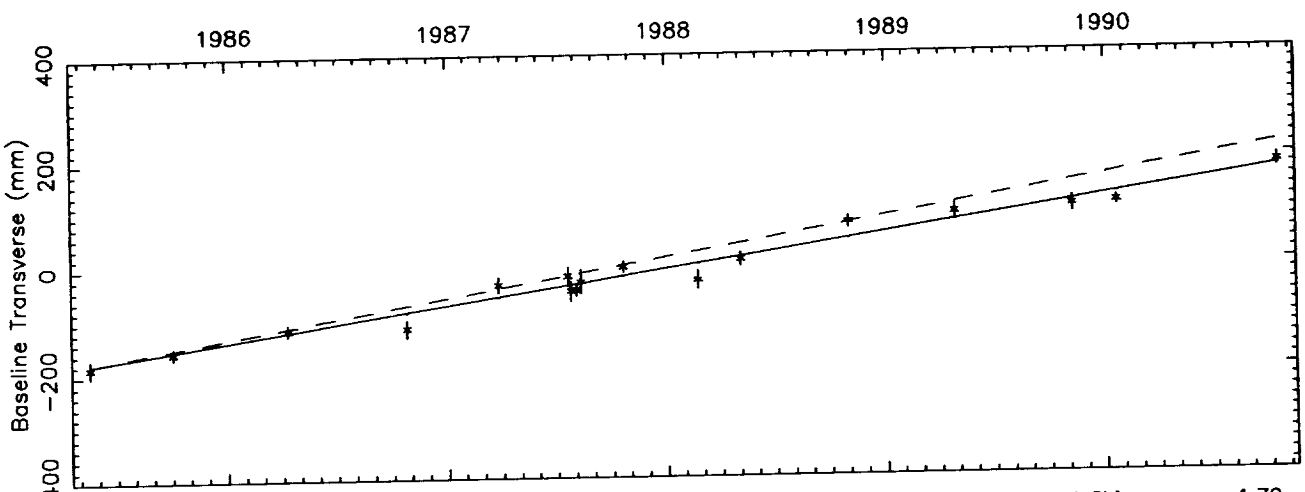
Observed Rate = 5.5 ± 1.3 mm/yr

NUVEL model rate = 8.4 mm/yr

Wrms of fit = 7.6 mm

Weighted mean length = 4061718605.0 mm

Reduced Chi square = 1.31

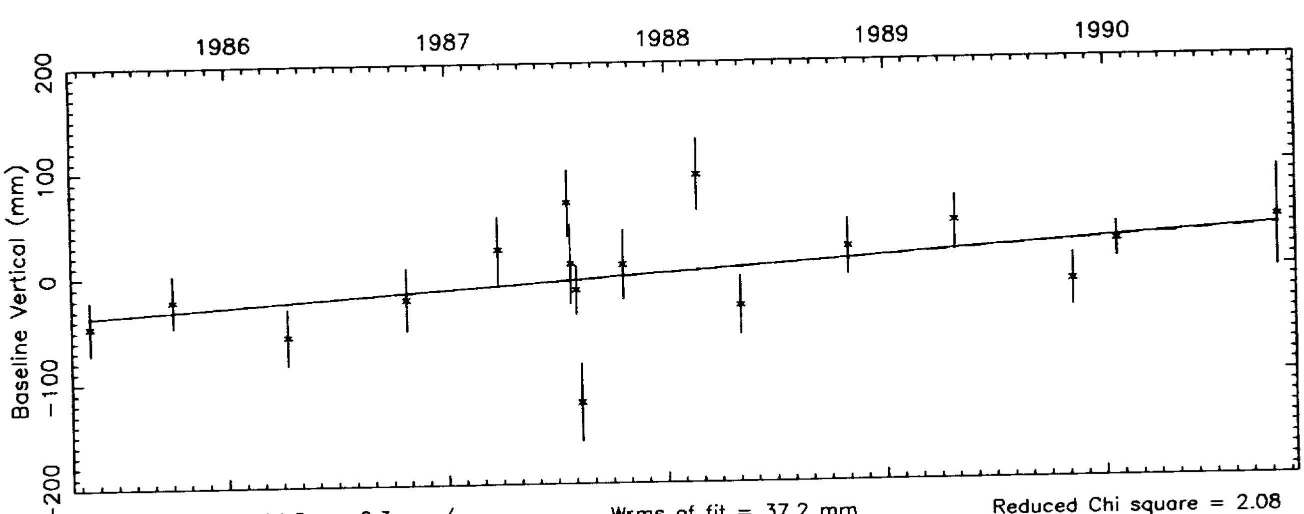


Observed Rate = 65.2 ± 2.7 mm/yr

NUVEL model rate = 73.6 mm/yr

Wrms of fit = 16.5 mm

Reduced Chi square = 1.70



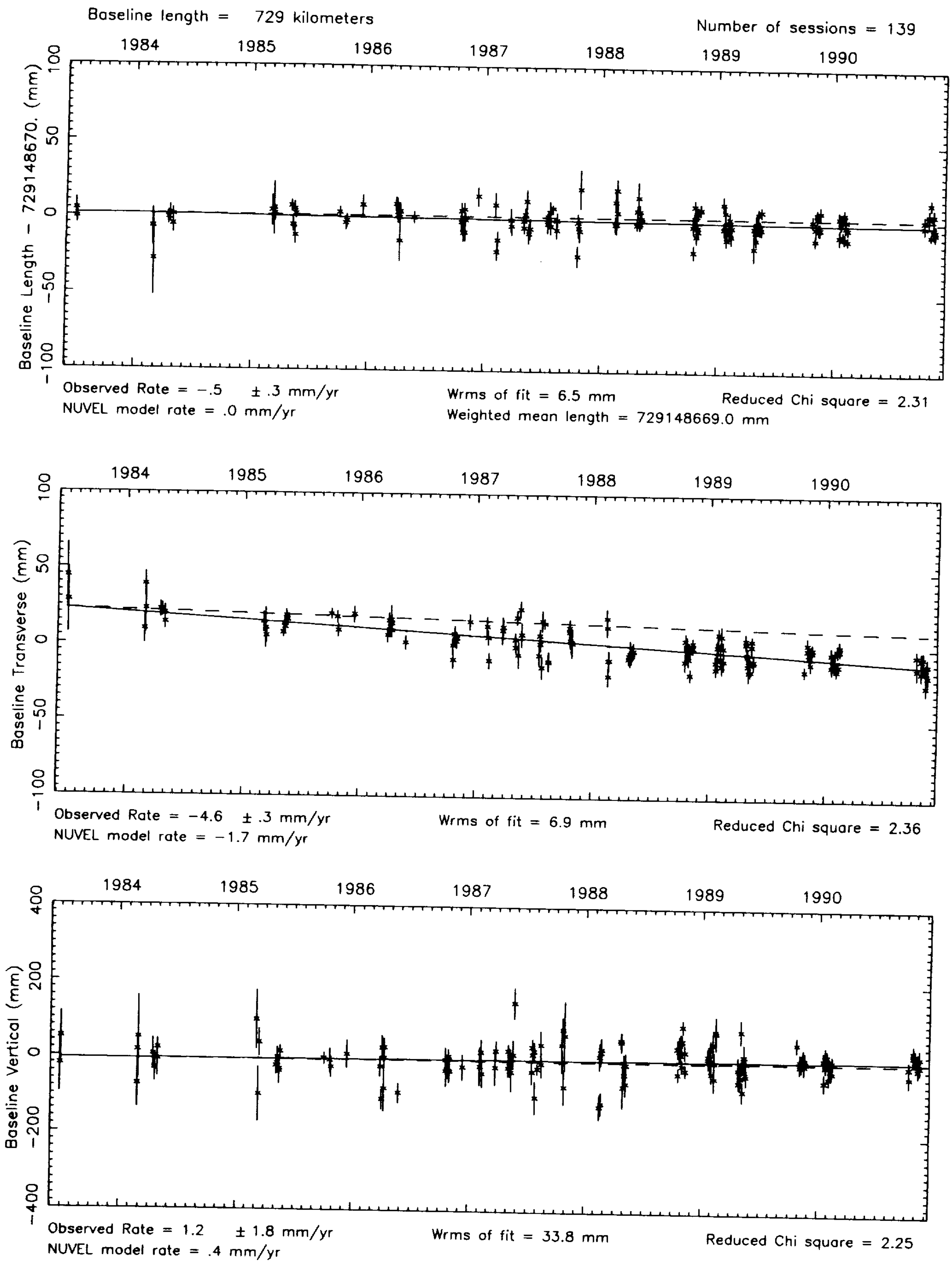
Observed Rate = 14.0 ± 6.3 mm/yr

NUVEL model rate = 13.8 mm/yr

Wrms of fit = 37.2 mm

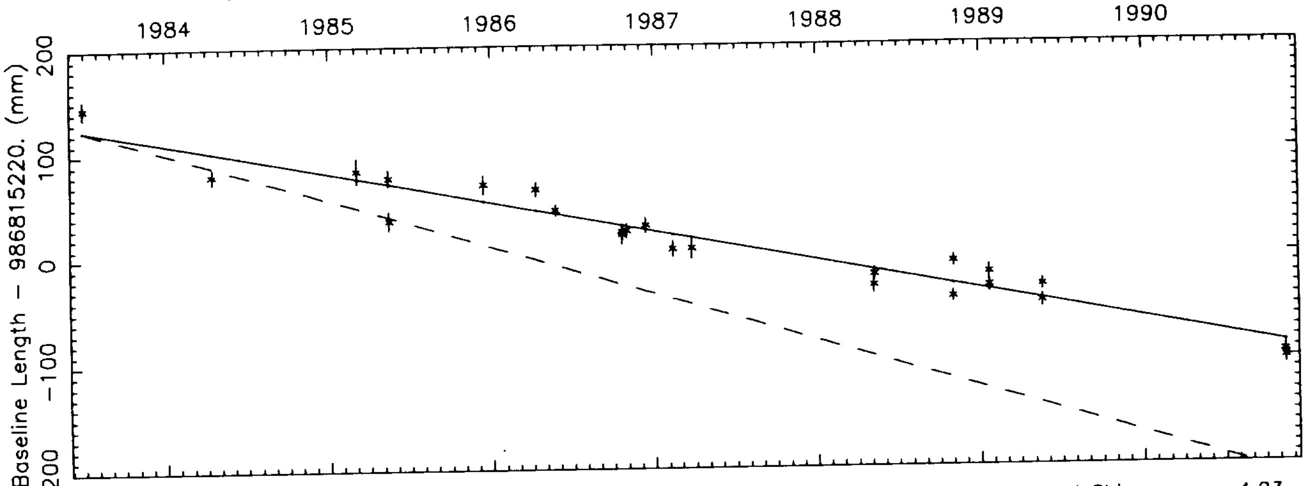
Reduced Chi square = 2.08

Vector baseline plots for HATCREEK–MOJAVE12

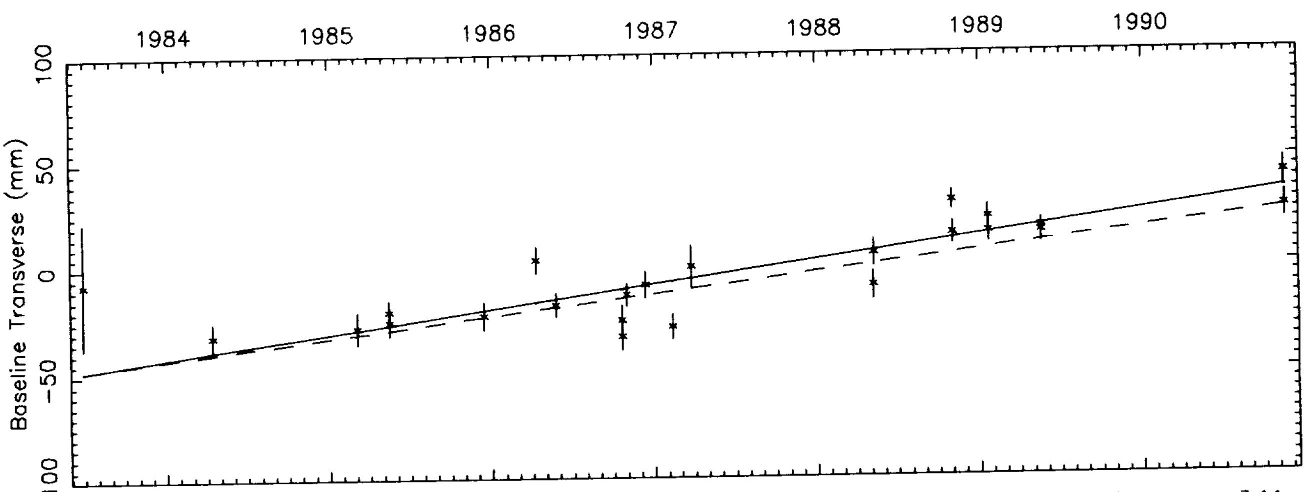


Vector baseline plots for HATCREEK–MON PEAK

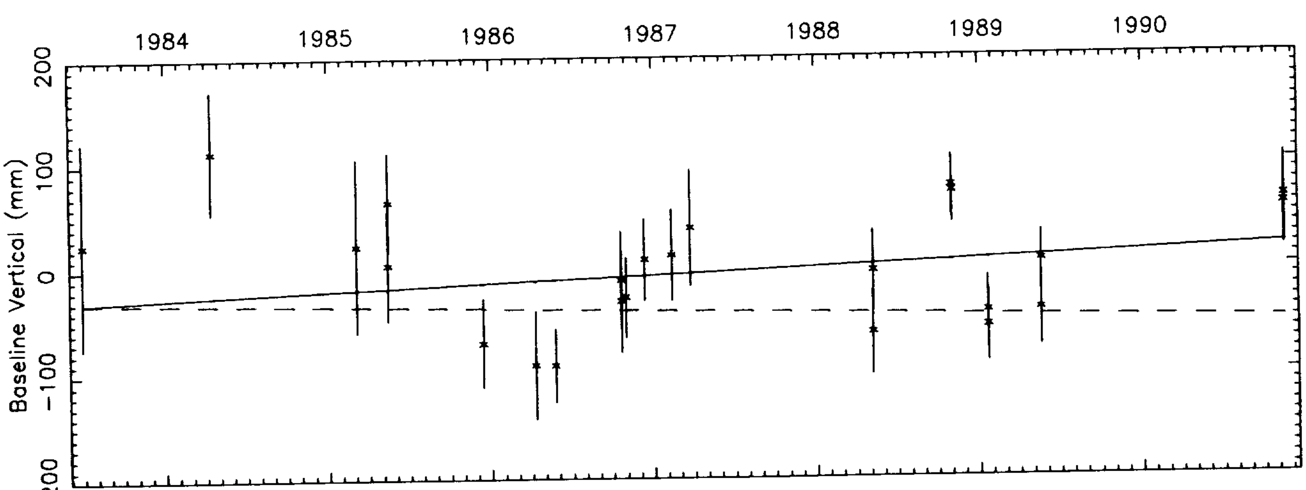
Baseline length = 987 kilometers Number of sessions = 24



Observed Rate = −28.4 ± 1.6 mm/yr
NUVEL model rate = −45.2 mm/yr
Wrms of fit = 13.7 mm
Weighted mean length = 986815222.3 mm
Reduced Chi square = 4.23



Observed Rate = 11.2 ± 1.3 mm/yr
NUVEL model rate = 9.9 mm/yr
Wrms of fit = 10.2 mm
Reduced Chi square = 3.11

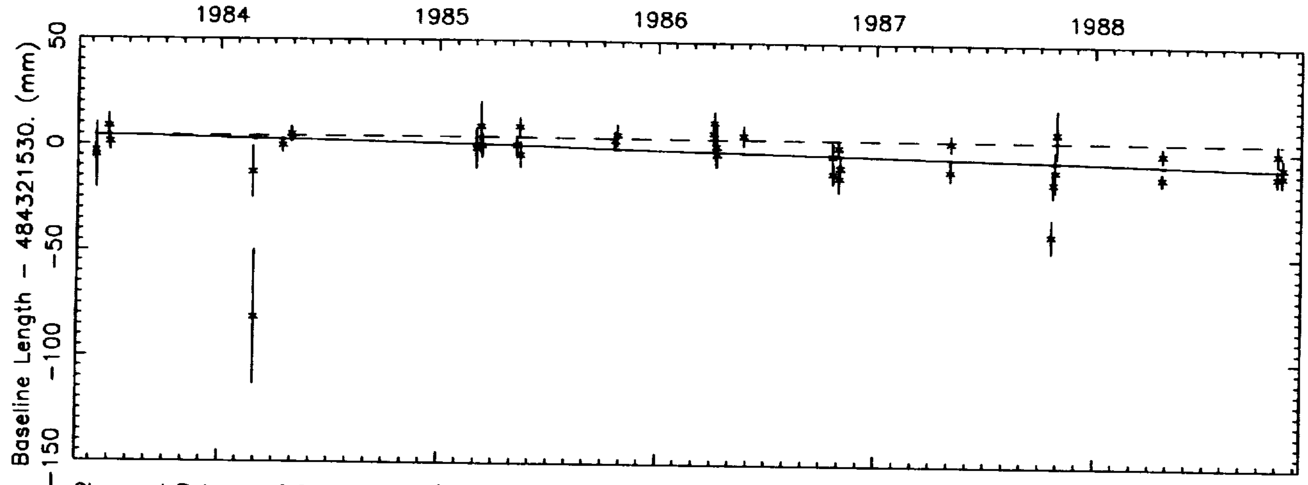


Observed Rate = 6.8 ± 7.0 mm/yr
NUVEL model rate = −2.8 mm/yr
Wrms of fit = 54.1 mm
Reduced Chi square = 1.98

Vector baseline plots for HATCREEK–OVRO 130

Baseline length = 484 kilometers

Number of sessions = 38



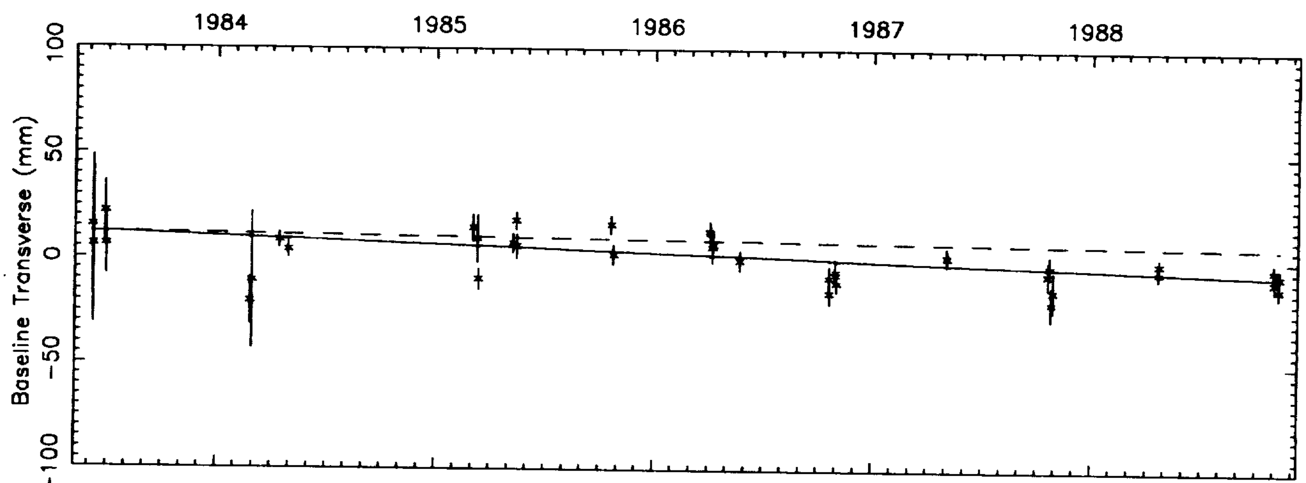
Observed Rate = −2.2 ± .7 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 7.3 mm

Weighted mean length = 484321527.7 mm

Reduced Chi square = 2.27

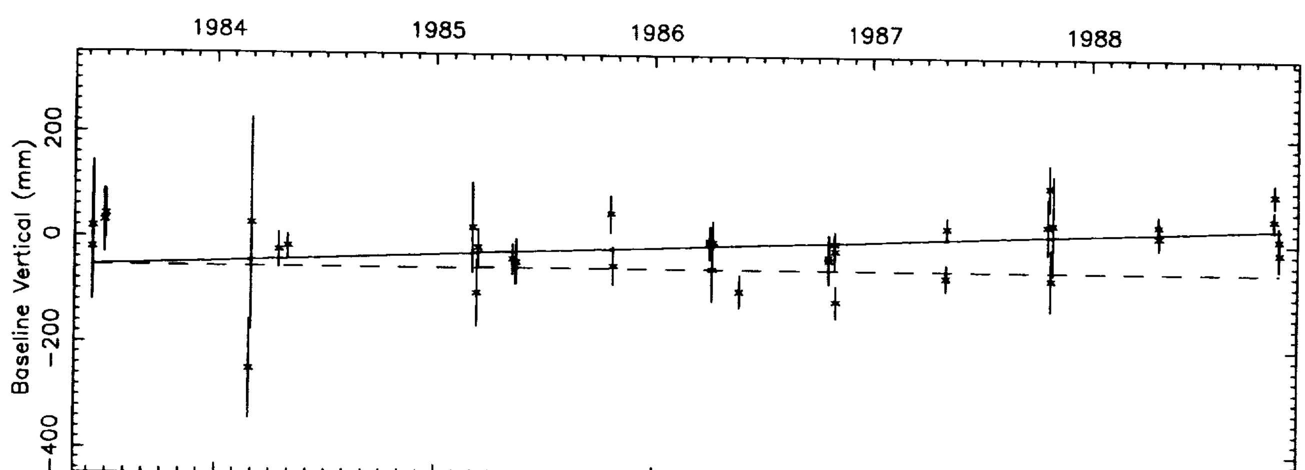


Observed Rate = −3.6 ± .8 mm/yr

NUVEL model rate = −1.1 mm/yr

Wrms of fit = 7.3 mm

Reduced Chi square = 2.40



Observed Rate = 15.4 ± 4.9 mm/yr

NUVEL model rate = .3 mm/yr

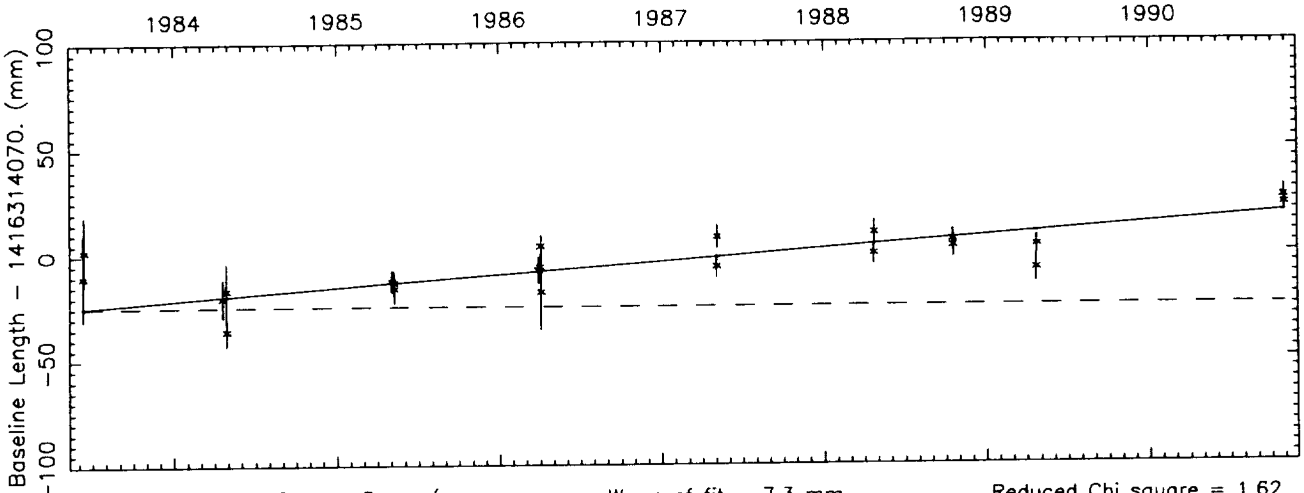
Wrms of fit = 44.1 mm

Reduced Chi square = 1.93

Vector baseline plots for HATCREEK-PLATTVIL

Baseline length = 1416 kilometers

Number of sessions = 22



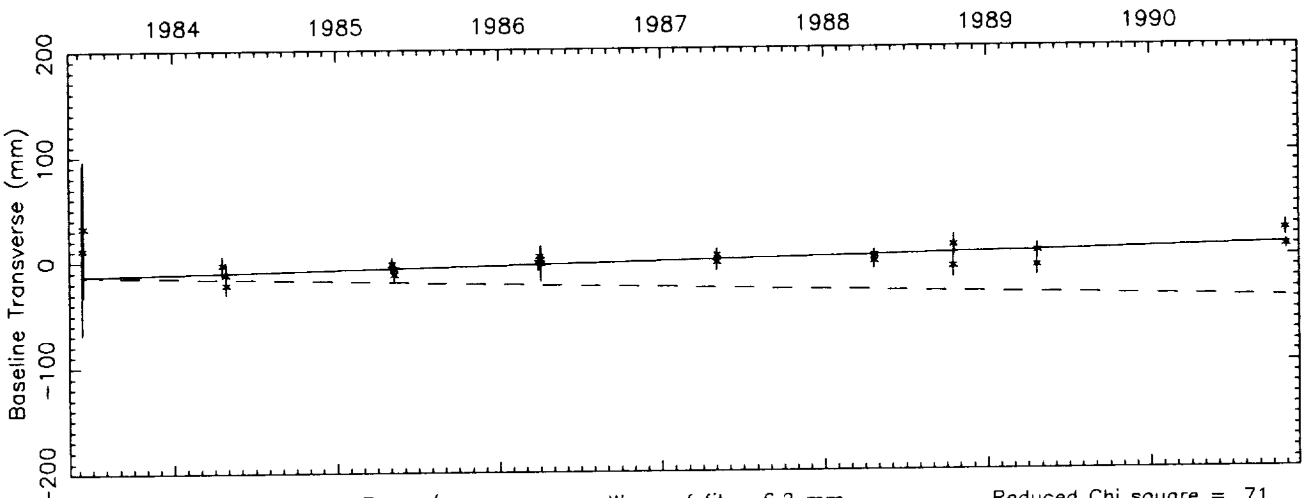
Observed Rate = 5.9 ± .8 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 7.3 mm

Weighted mean length = 1416314070.4 mm

Reduced Chi square = 1.62

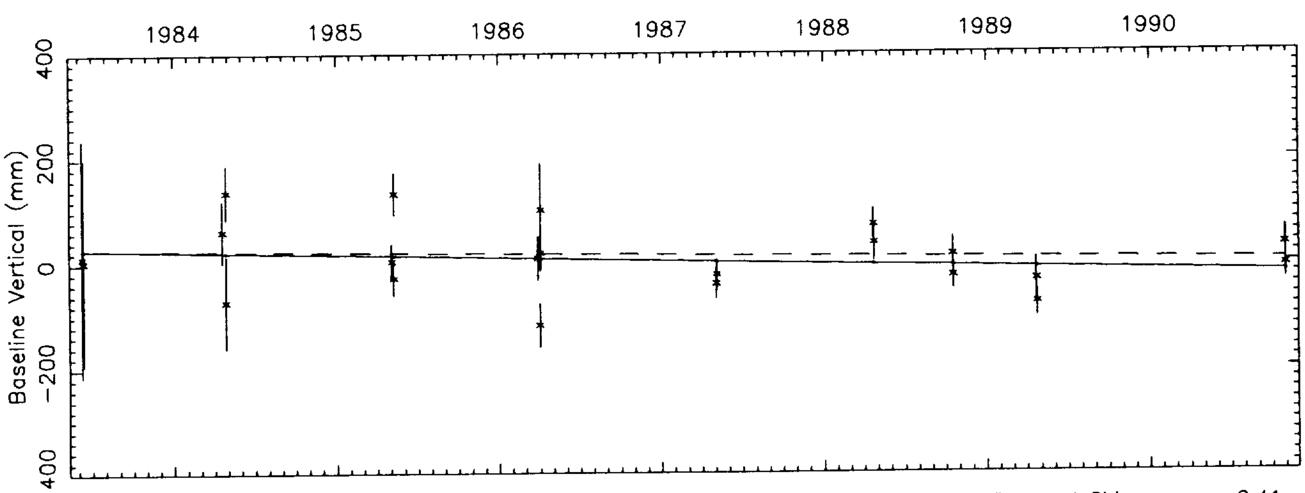


Observed Rate = 3.3 ± .7 mm/yr

NUVEL model rate = -3.5 mm/yr

Wrms of fit = 6.2 mm

Reduced Chi square = .71



Observed Rate = -6.4 ± 6.4 mm/yr

NUVEL model rate = -3.1 mm/yr

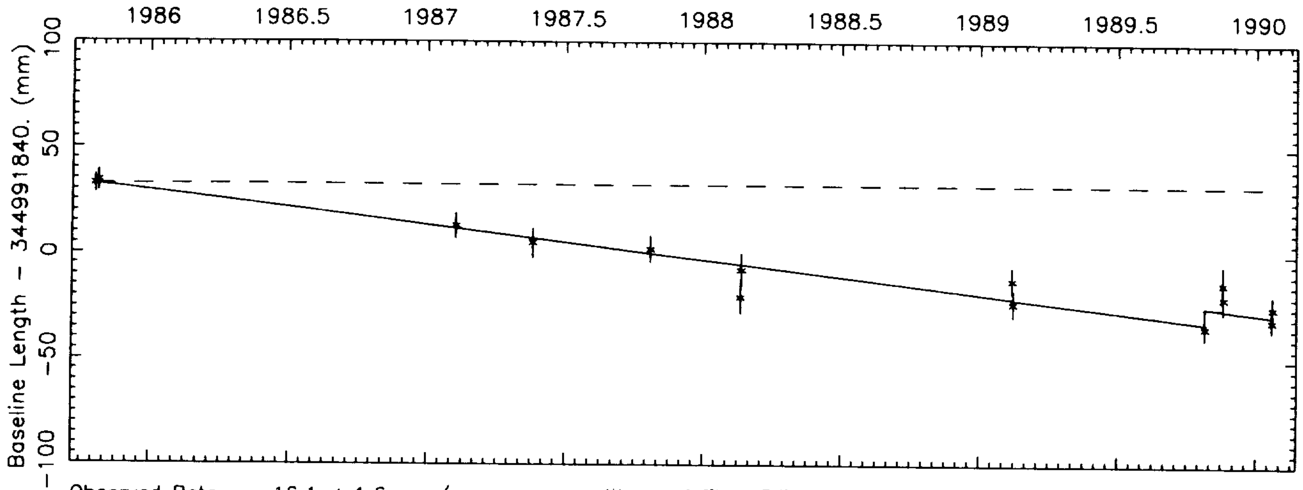
Wrms of fit = 53.8 mm

Reduced Chi square = 2.41

Vector baseline plots for HATCREEK–PRESIDIO

Baseline length = 345 kilometers

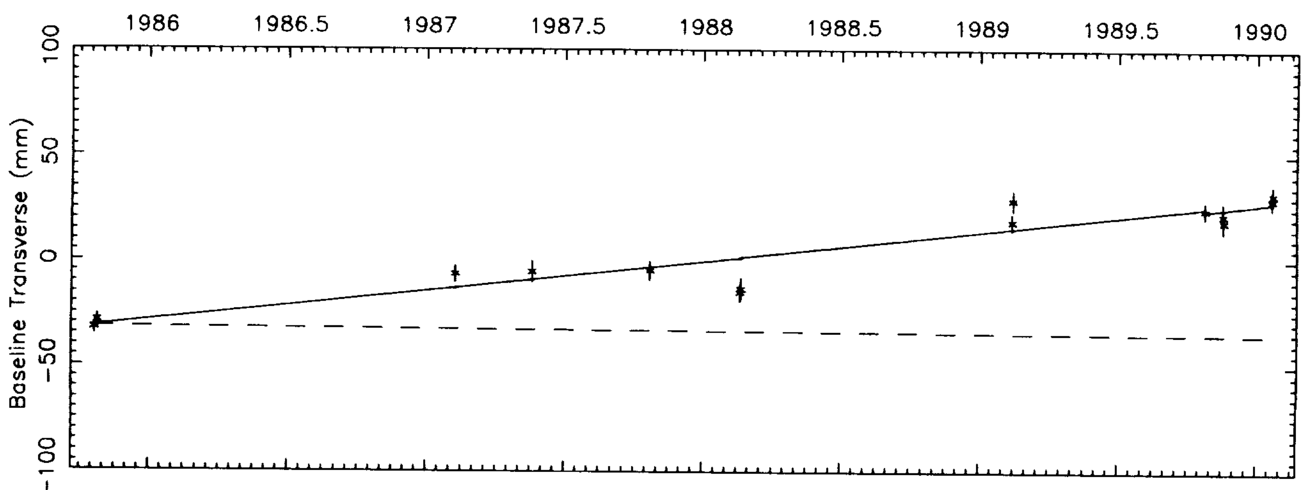
Number of sessions = 14



Observed Rate = −16.1 ± 1.6 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 5.7 mm
Weighted mean length = 344991837.0 mm
Offset = 7.7 ± 5.8 mm

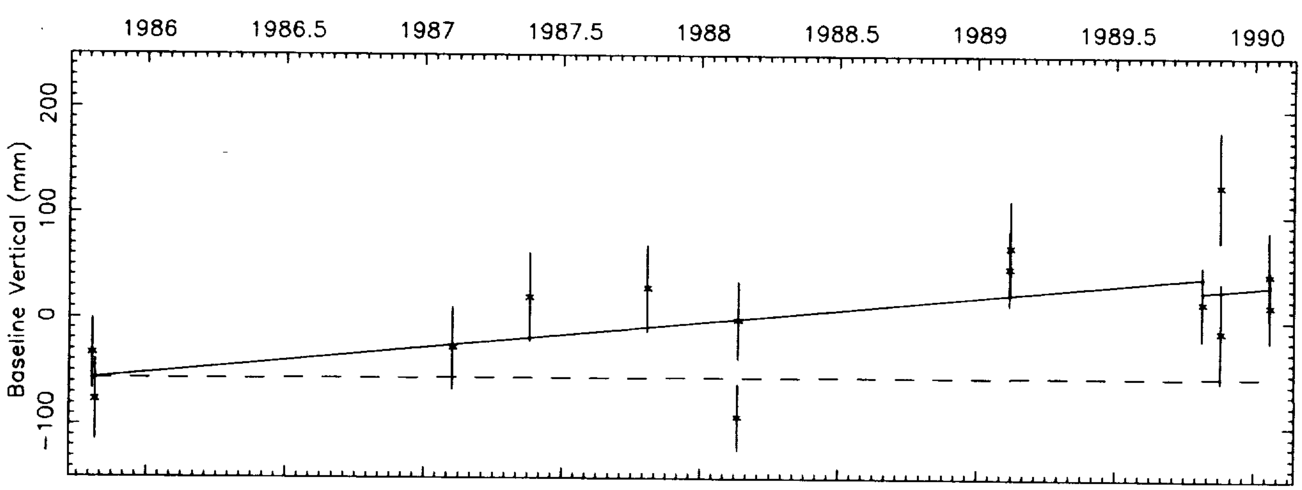
Reduced Chi square = 1.16



Observed Rate = 14.2 ± 1.9 mm/yr
NUVEL model rate = −.8 mm/yr

Wrms of fit = 6.9 mm
Offset = −1.0 ± 6.9 mm

Reduced Chi square = 3.52



Observed Rate = 24.4 ± 13.2 mm/yr
NUVEL model rate = .9 mm/yr

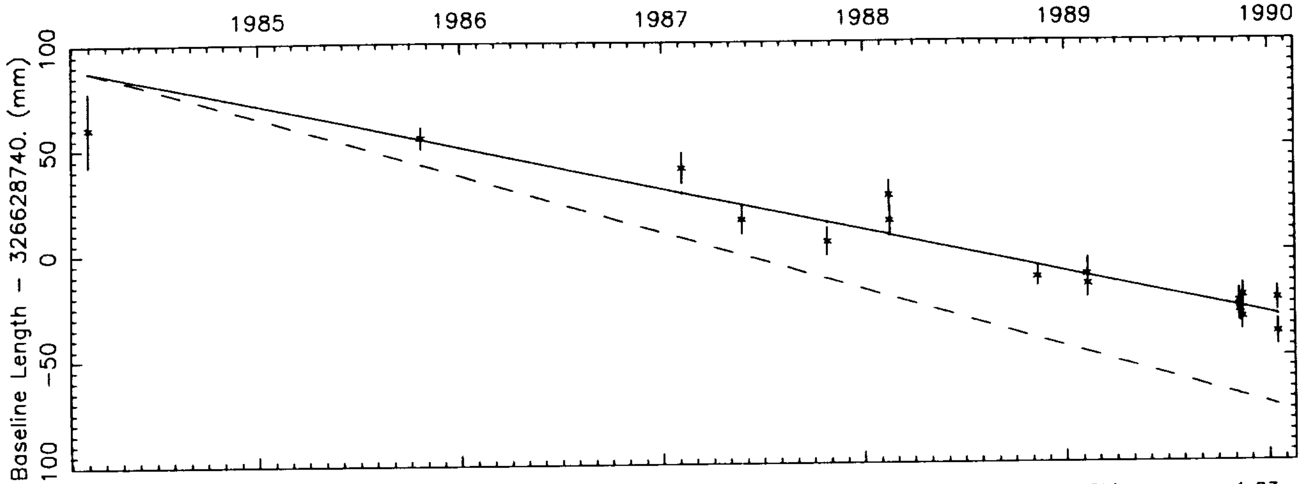
Wrms of fit = 42.4 mm
Offset = −13.4 ± 41.9 mm

Reduced Chi square = 1.57

Vector baseline plots for HATCREEK-PT REYES

Baseline length = 327 kilometers

Number of sessions = 16



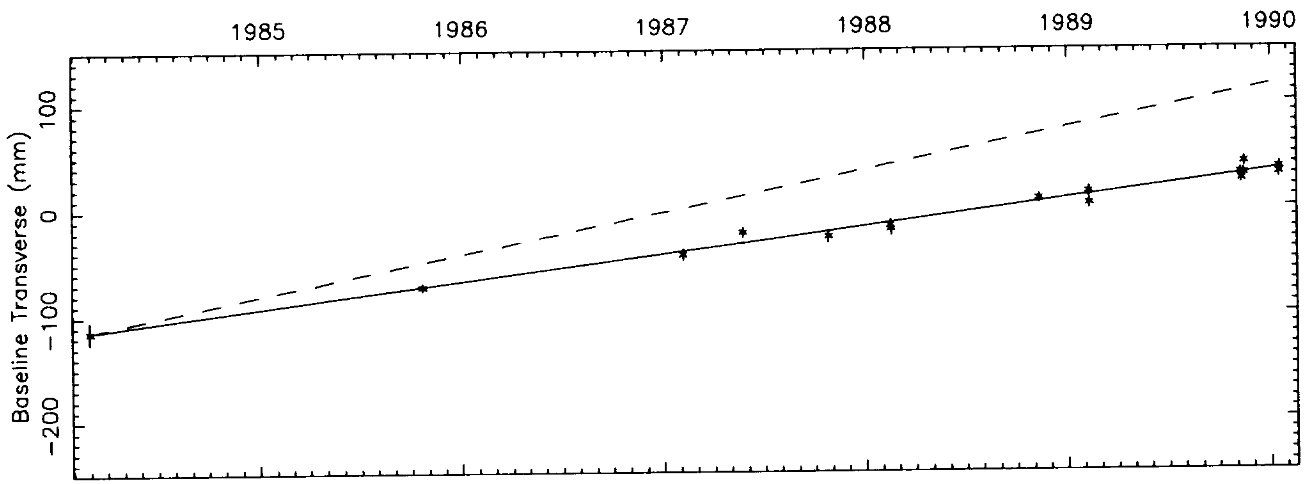
Observed Rate = -20.1 ± 1.5 mm/yr

NUVEL model rate = -27.4 mm/yr

Wrms of fit = 7.6 mm

Weighted mean length = 326628735.7 mm

Reduced Chi square = 1.63

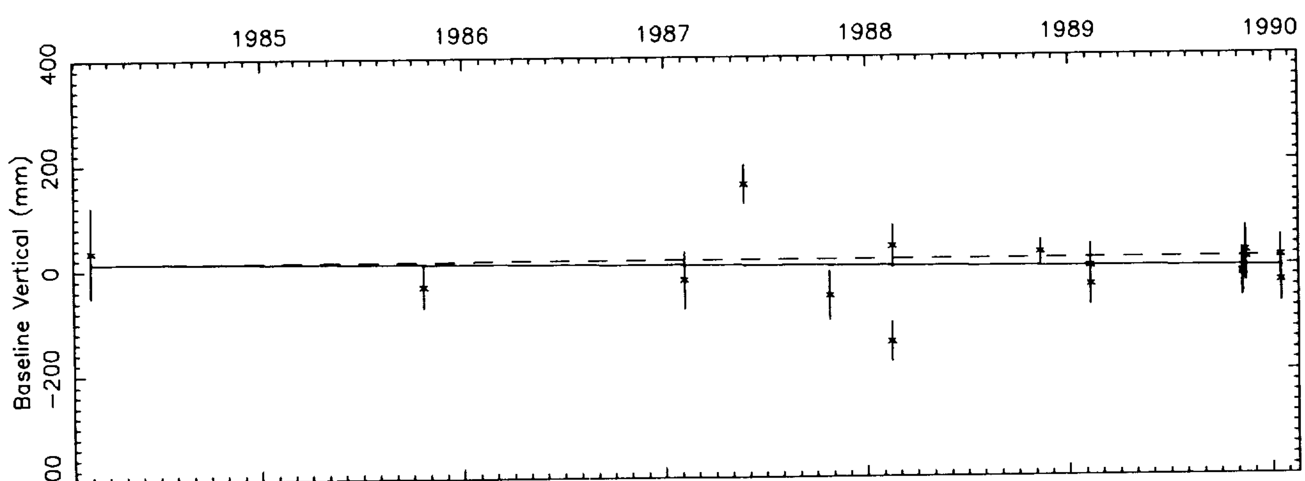


Observed Rate = 25.3 ± 1.0 mm/yr

NUVEL model rate = 39.1 mm/yr

Wrms of fit = 5.2 mm

Reduced Chi square = 1.35



Observed Rate = -3.0 ± 13.2 mm/yr

NUVEL model rate = .2 mm/yr

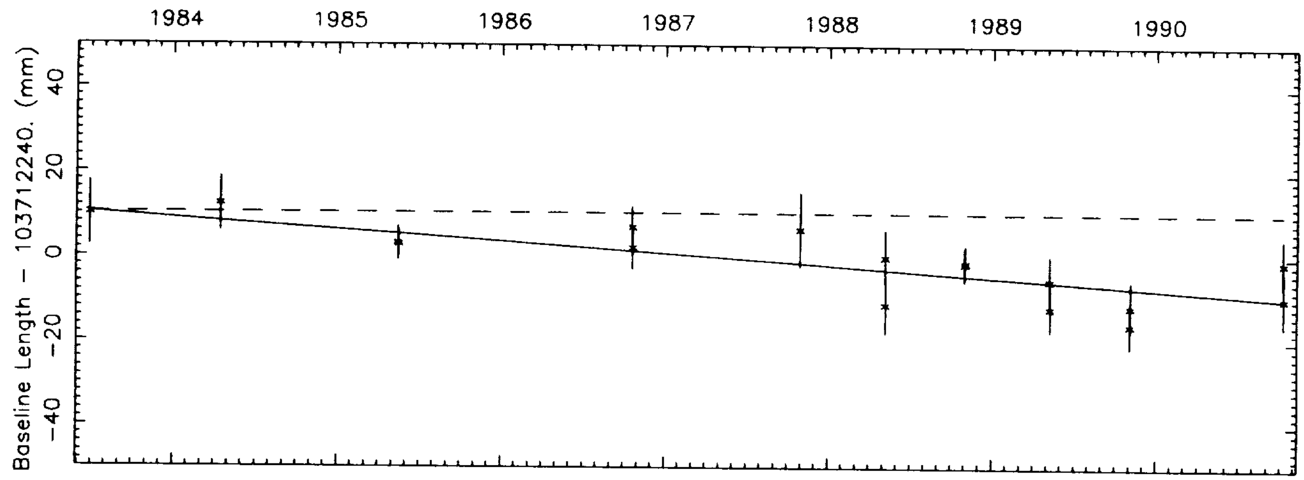
Wrms of fit = 62.7 mm

Reduced Chi square = 2.76

Vector baseline plots for HATCREEK–QUINCY

Baseline length = 104 kilometers

Number of sessions = 17



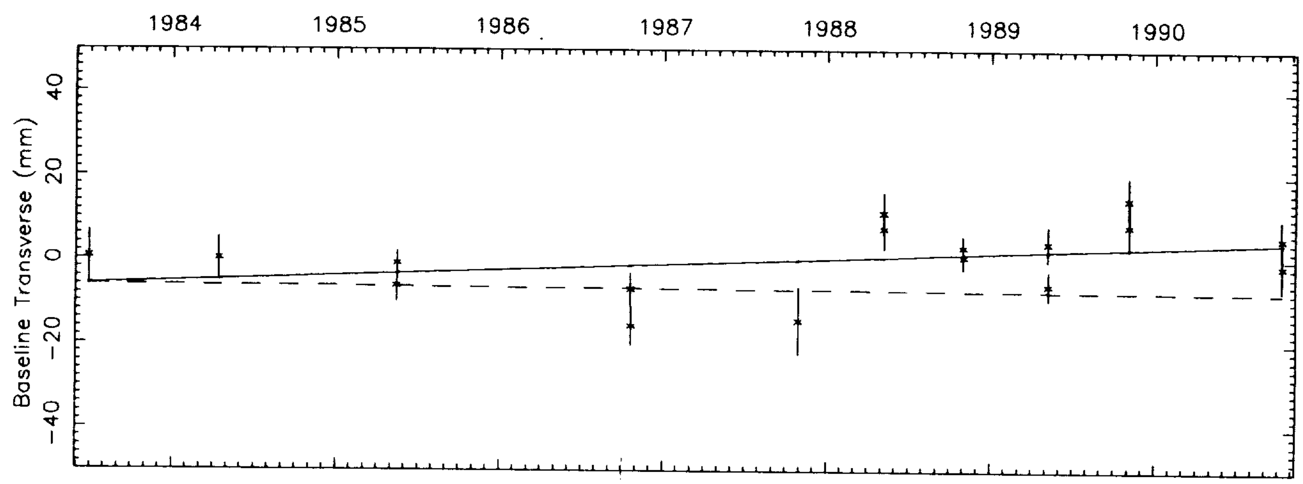
Observed Rate = –2.7 ± .6 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.6 mm

Weighted mean length = 103712238.7 mm

Reduced Chi square = .87

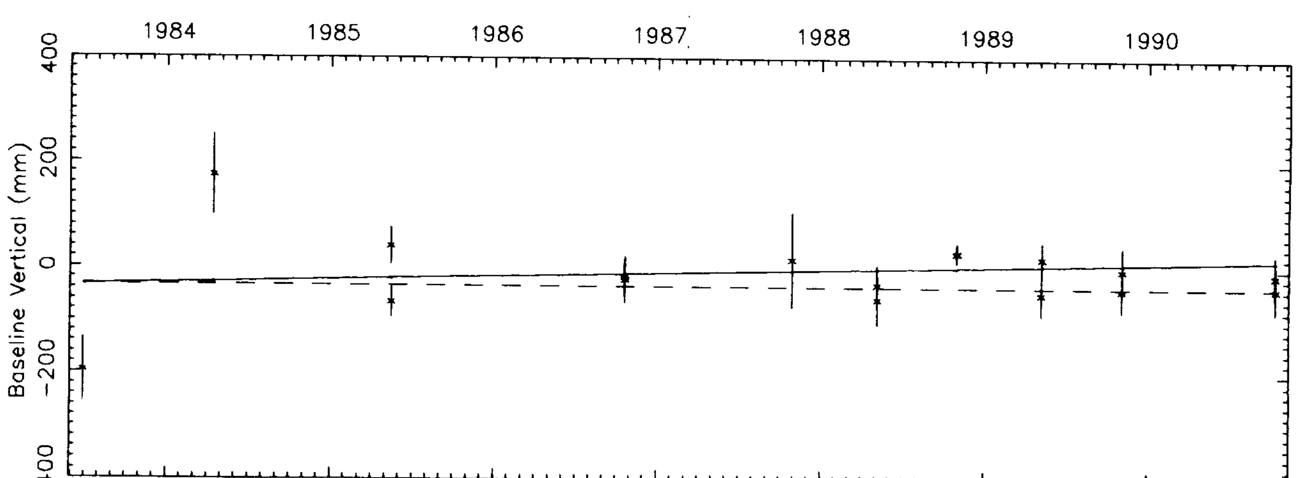


Observed Rate = 1.4 ± .8 mm/yr

NUVEL model rate = –.2 mm/yr

Wrms of fit = 6.1 mm

Reduced Chi square = 2.49



Observed Rate = 7.1 ± 7.1 mm/yr

NUVEL model rate = .1 mm/yr

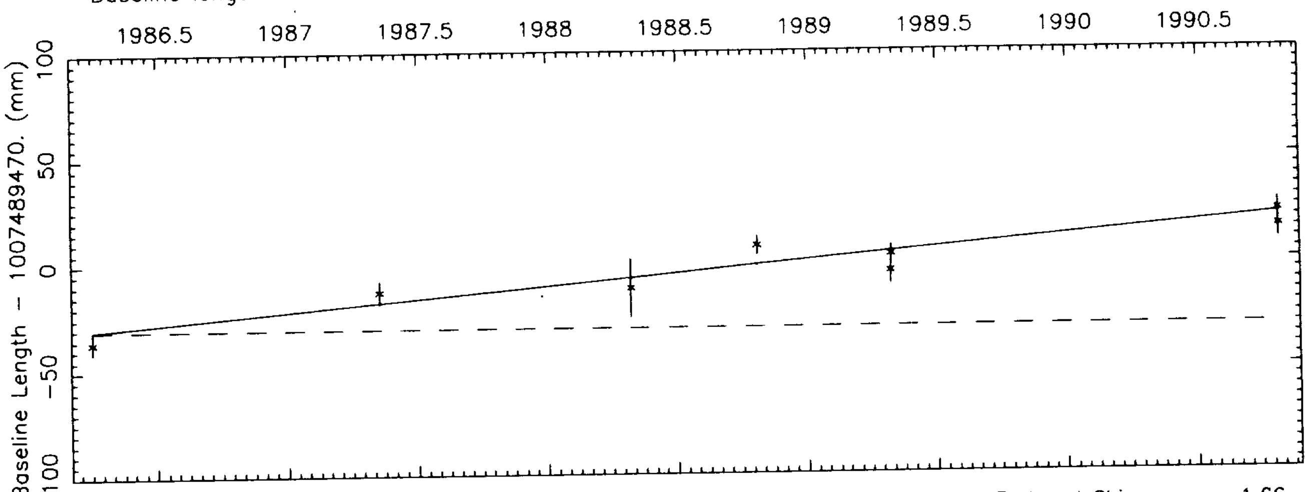
Wrms of fit = 45.9 mm

Reduced Chi square = 2.18

Vector baseline plots for HATCREEK–VERNAL

Baseline length = 1007 kilometers

Number of sessions = 8



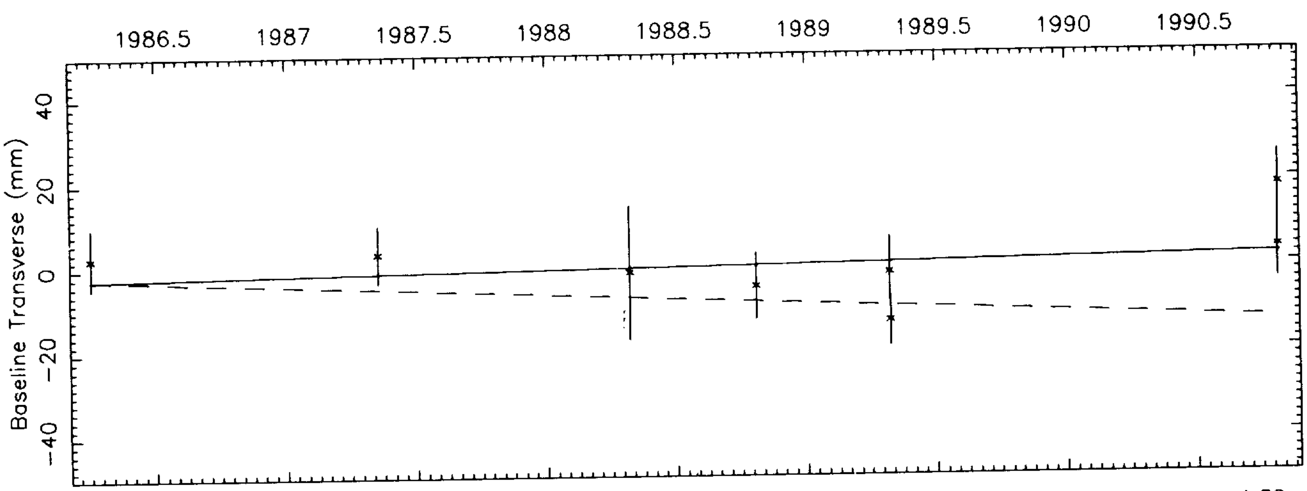
Observed Rate = 11.3 ± 1.6 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.1 mm

Weighted mean length = 1007489468.2 mm

Reduced Chi square = 1.66

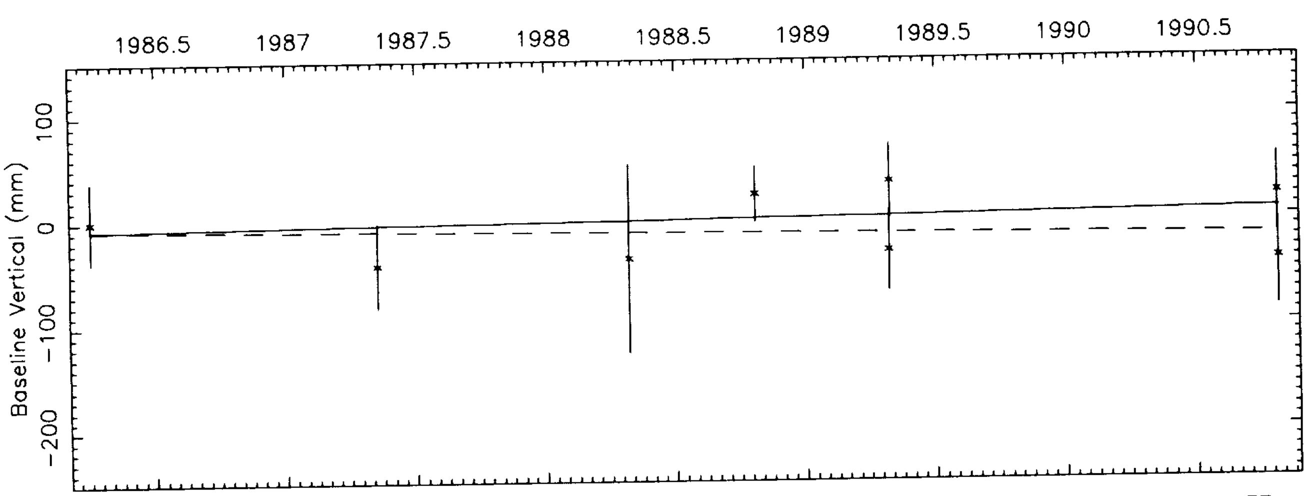


Observed Rate = .9 ± 2.4 mm/yr

NUVEL model rate = –2.4 mm/yr

Wrms of fit = 8.9 mm

Reduced Chi square = 1.82



Observed Rate = 3.0 ± 8.4 mm/yr

NUVEL model rate = –2.2 mm/yr

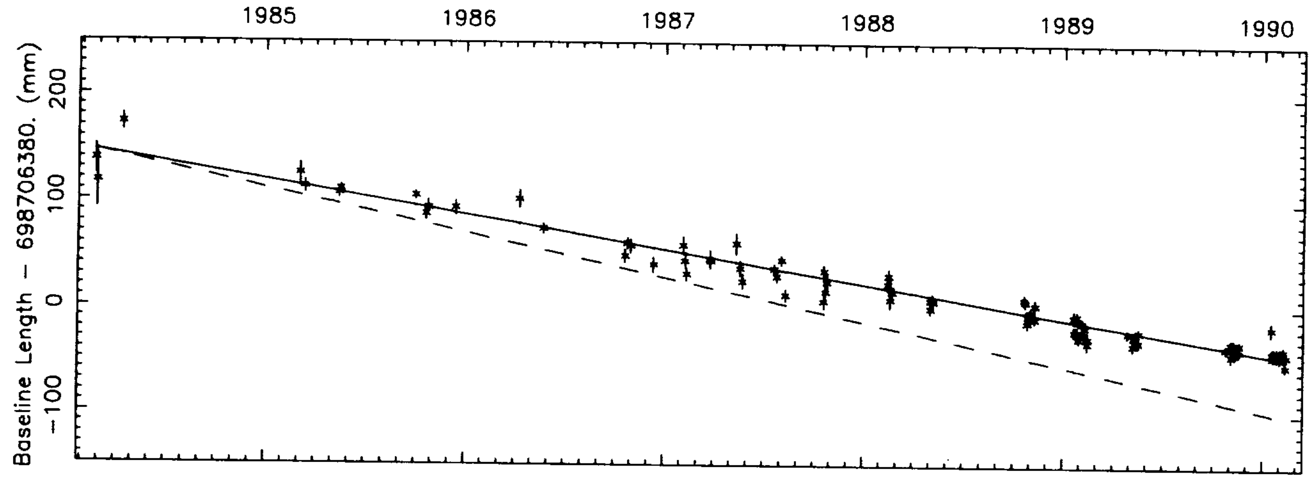
Wrms of fit = 28.9 mm

Reduced Chi square = .77

Vector baseline plots for HATCREEK–VNDNBERG

Baseline length = 699 kilometers

Number of sessions = 92



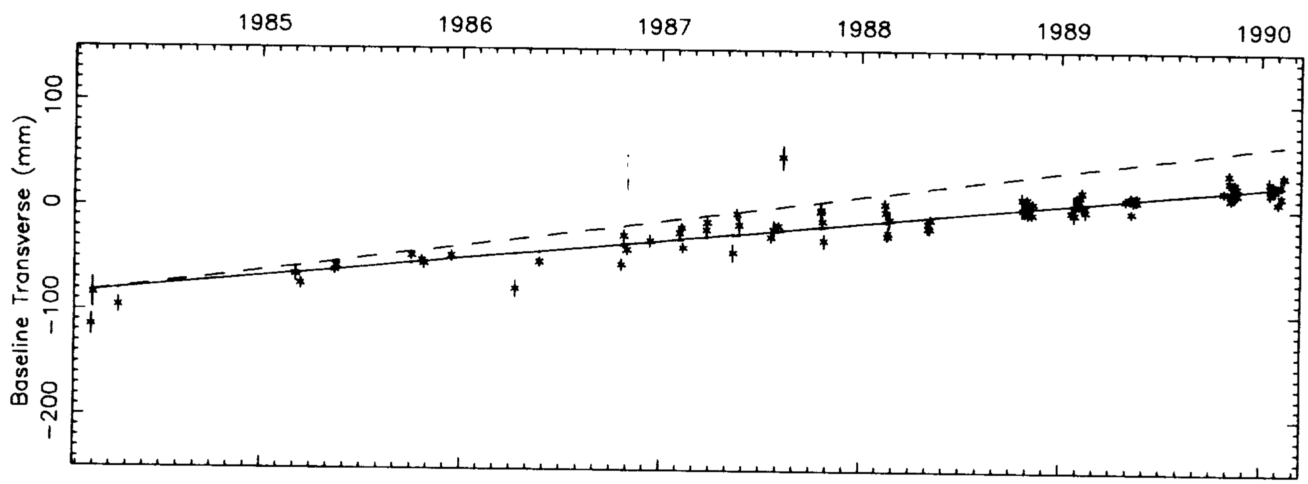
Observed Rate = −32.3 ± .6 mm/yr

NUVEL model rate = −41.6 mm/yr

Wrms of fit = 7.7 mm

Weighted mean length = 698706375.7 mm

Reduced Chi square = 2.84

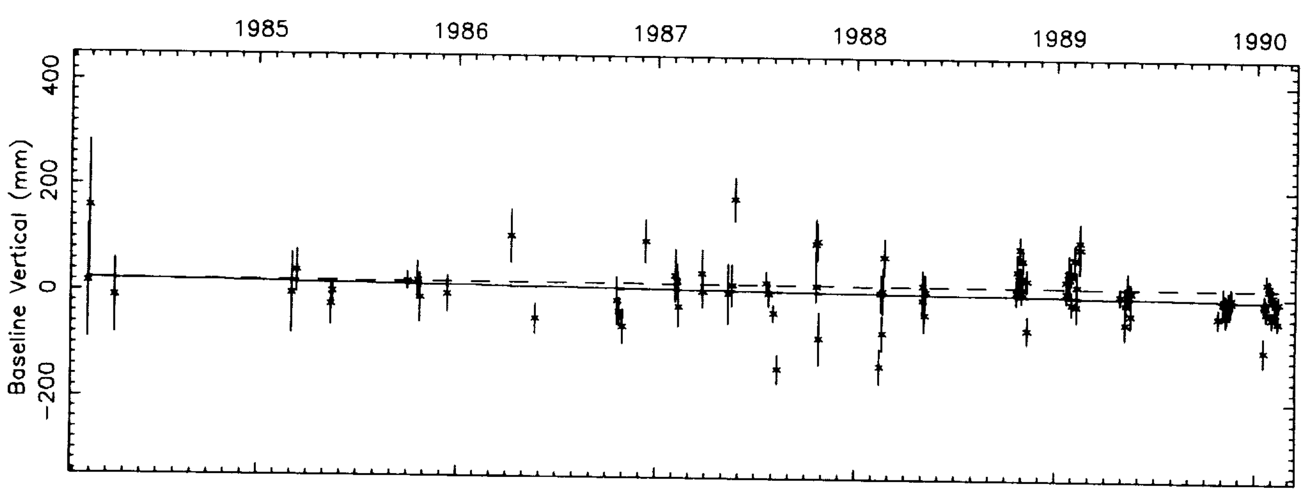


Observed Rate = 17.7 ± .6 mm/yr

NUVEL model rate = 24.2 mm/yr

Wrms of fit = 8.1 mm

Reduced Chi square = 3.84



Observed Rate = −4.7 ± 3.2 mm/yr

NUVEL model rate = −1.0 mm/yr

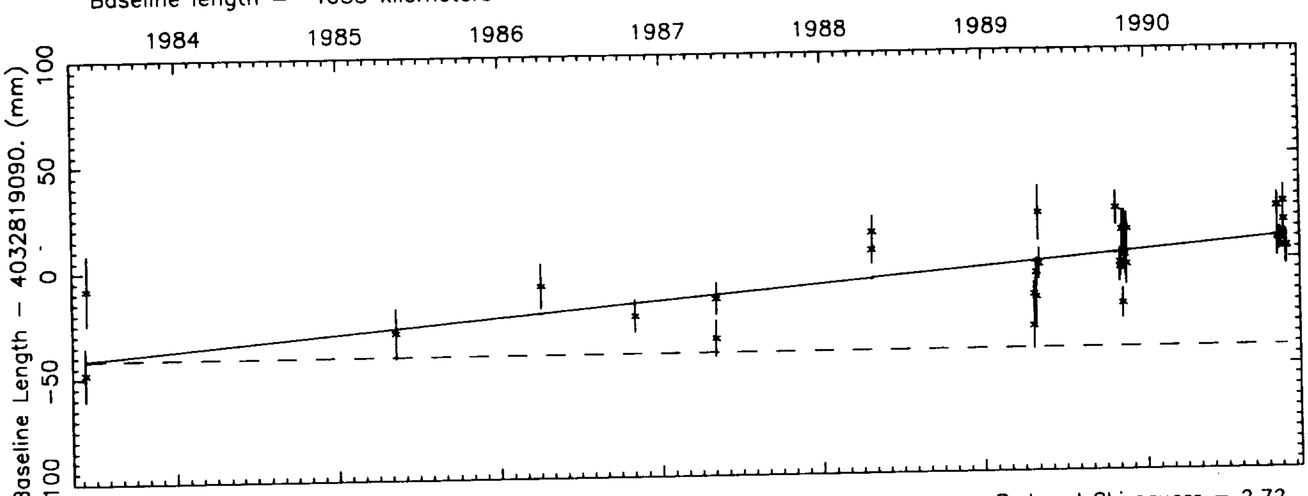
Wrms of fit = 38.4 mm

Reduced Chi square = 2.83

Vector baseline plots for HATCREEK–WESTFORD

Baseline length = 4033 kilometers

Number of sessions = 32



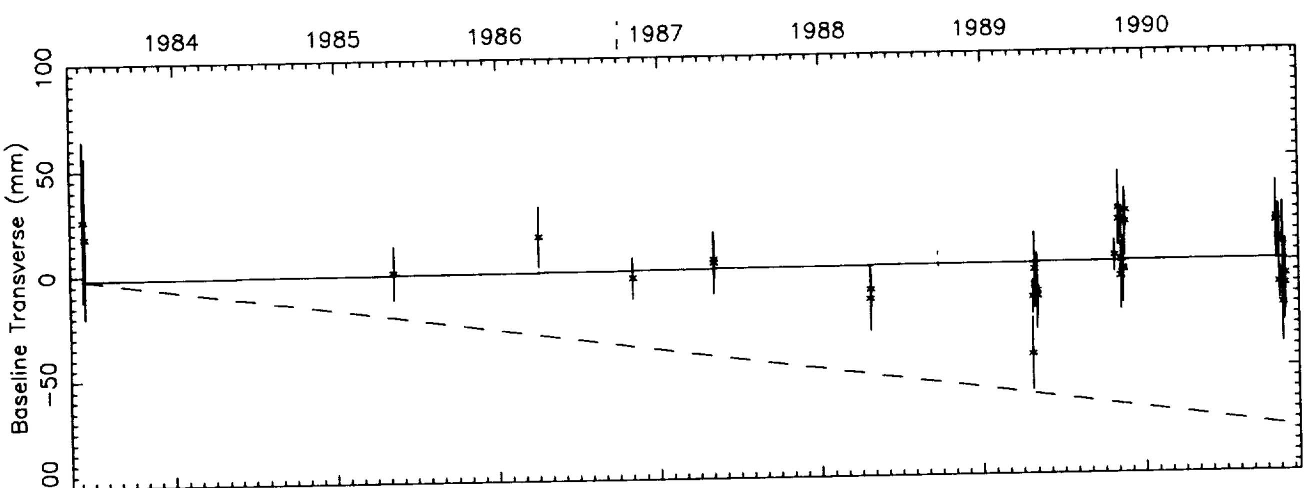
Observed Rate = 7.0 ± 1.5 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 12.2 mm

Weighted mean length = 4032819091.2 mm

Reduced Chi square = 2.72

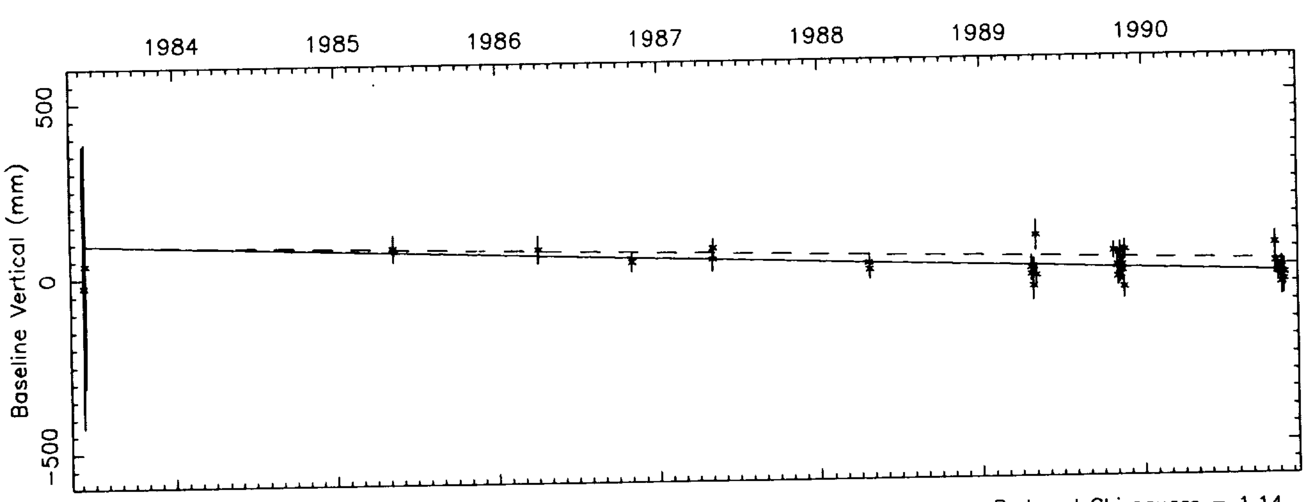


Observed Rate = .4 ± 1.9 mm/yr

NUVEL model rate = −10.2 mm/yr

Wrms of fit = 14.4 mm

Reduced Chi square = 1.60



Observed Rate = −15.8 ± 4.3 mm/yr

NUVEL model rate = −11.0 mm/yr

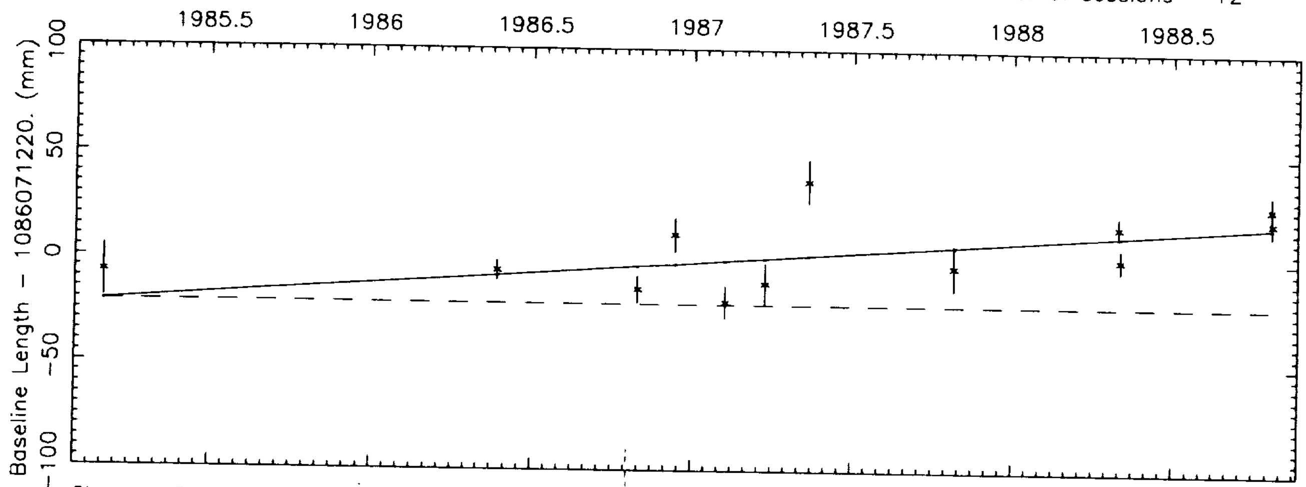
Wrms of fit = 29.9 mm

Reduced Chi square = 1.14

Vector baseline plots for HATCREEK–YUMA

Baseline length = 1086 kilometers

Number of sessions = 12



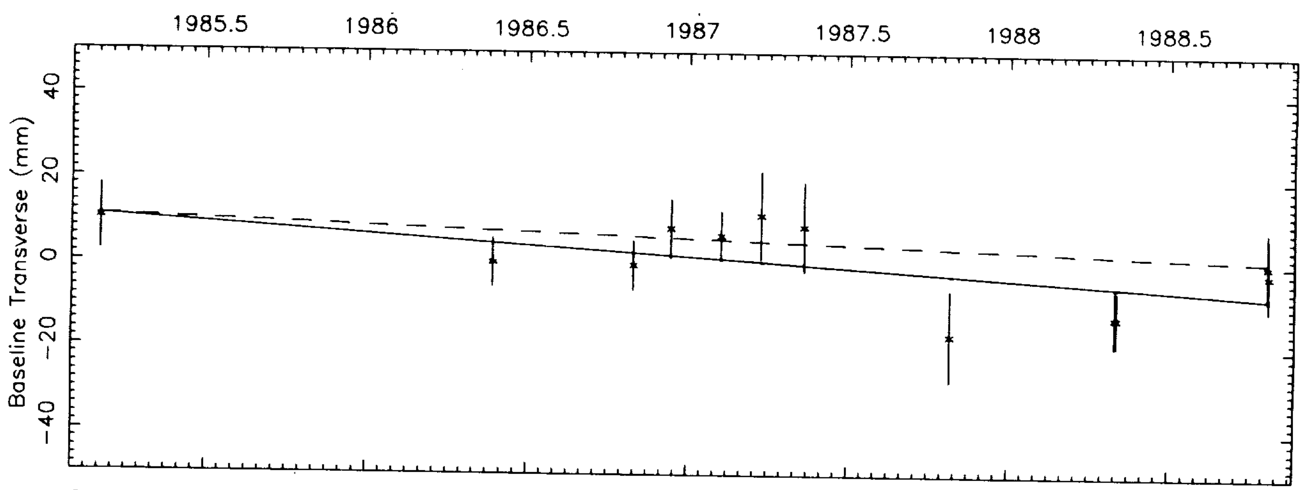
Observed Rate = 10.6 ± 3.8 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 11.7 mm

Weighted mean length = 1086071224.6 mm

Reduced Chi square = 3.52

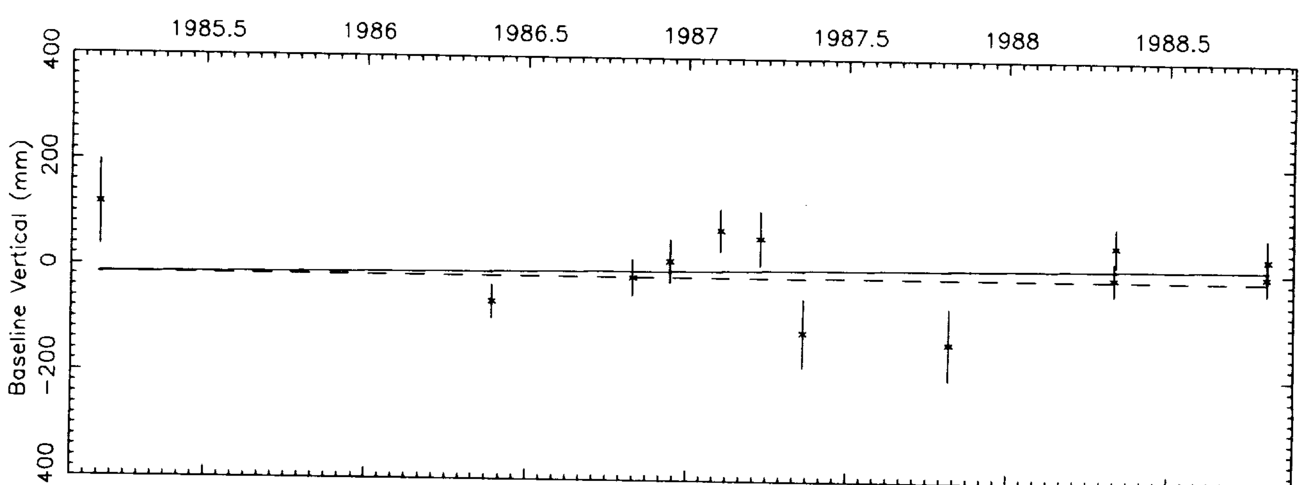


Observed Rate = -5.0 ± 2.1 mm/yr

NUVEL model rate = -2.7 mm/yr

Wrms of fit = 6.6 mm

Reduced Chi square = .99



Observed Rate = 6.5 ± 17.9 mm/yr

NUVEL model rate = .4 mm/yr

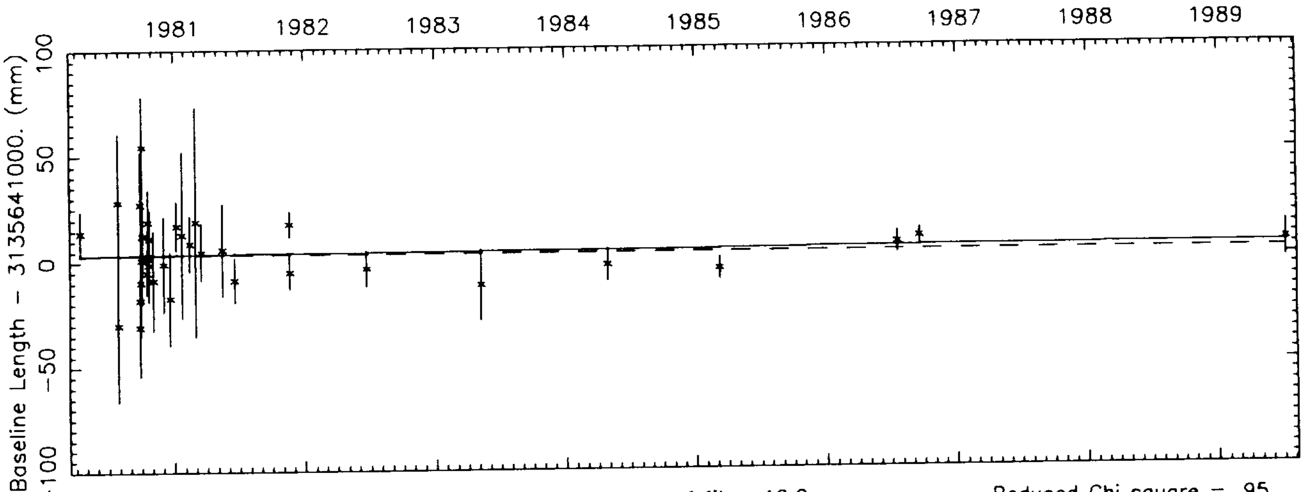
Wrms of fit = 53.6 mm

Reduced Chi square = 2.08

Vector baseline plots for HAYSTACK–HRAS 085

Baseline length = 3136 kilometers

Number of sessions = 36



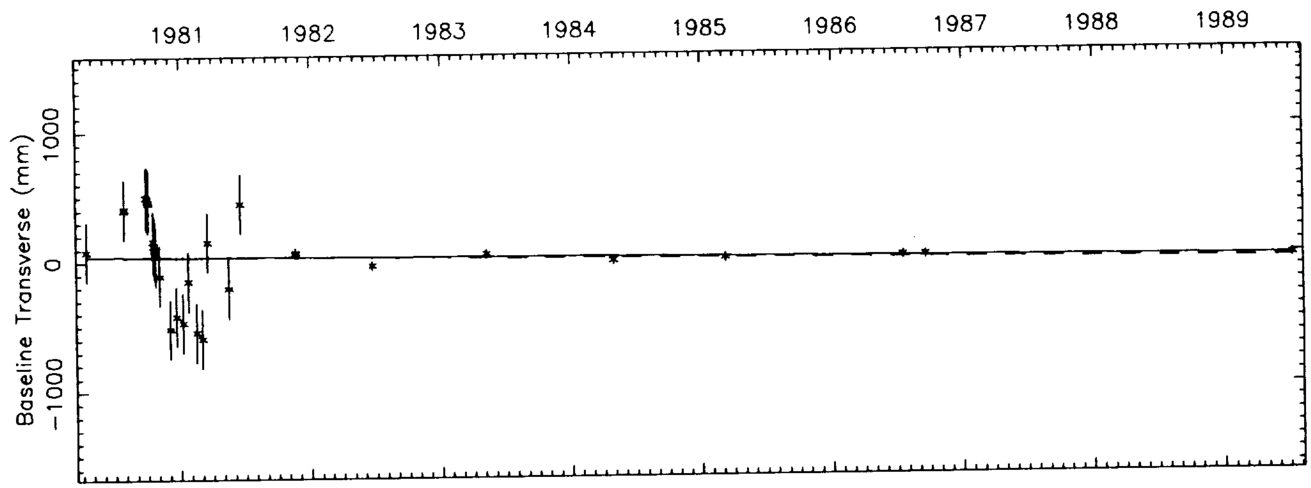
Observed Rate = .2 ± .6 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 10.0 mm

Weighted mean length = 3135641004.0 mm

Reduced Chi square = .95

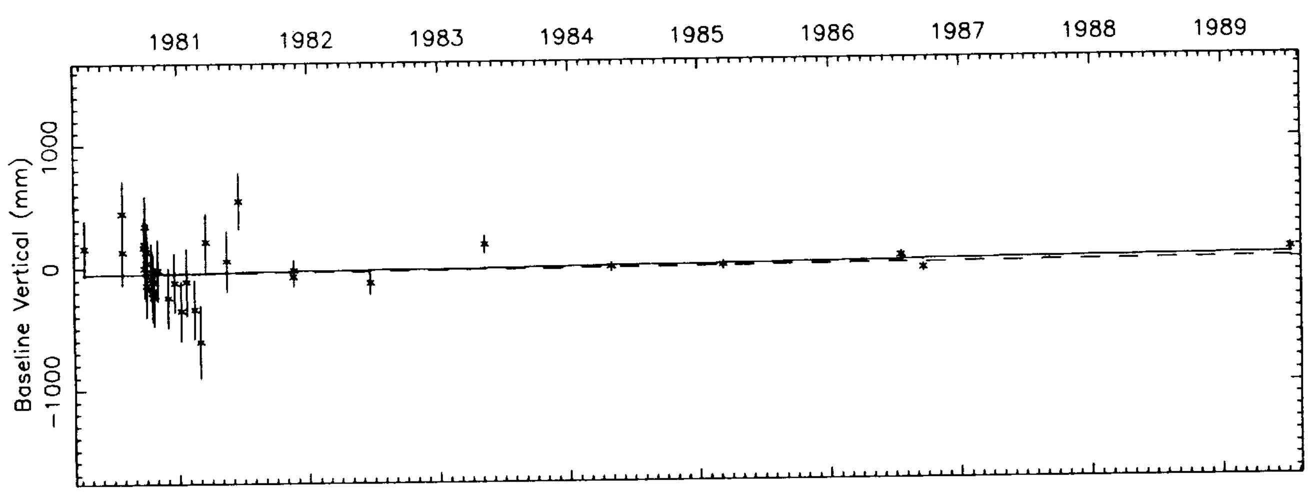


Observed Rate = –7.2 ± 2.5 mm/yr

NUVEL model rate = –9.0 mm/yr

Wrms of fit = 36.1 mm

Reduced Chi square = 2.81



Observed Rate = 10.6 ± 6.4 mm/yr

NUVEL model rate = 7.1 mm/yr

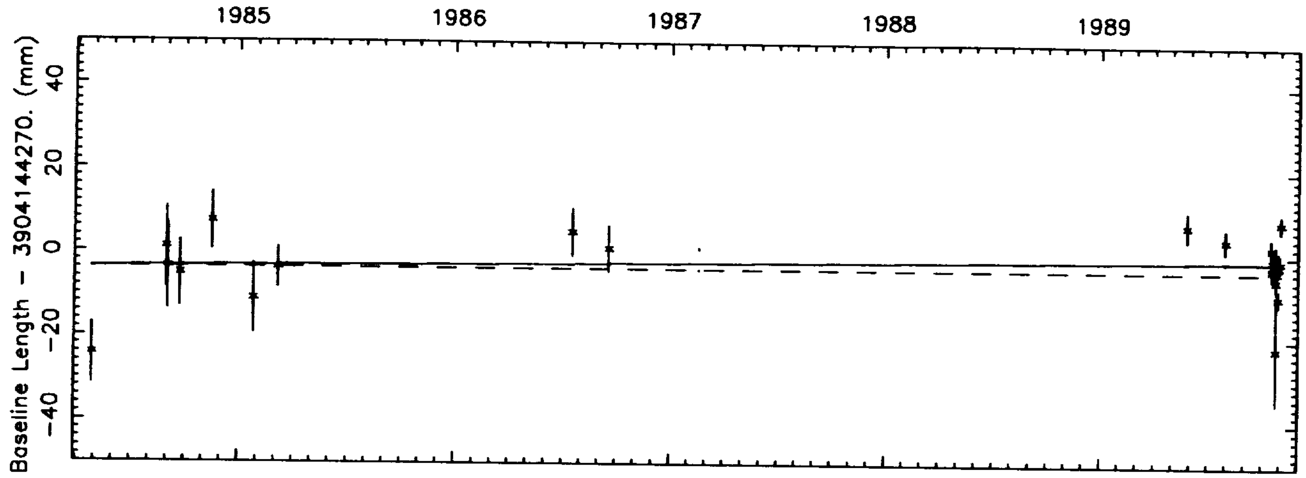
Wrms of fit = 79.4 mm

Reduced Chi square = 1.40

Vector baseline plots for HAYSTACK–MOJAVE12

Baseline length = 3904 kilometers

Number of sessions = 24



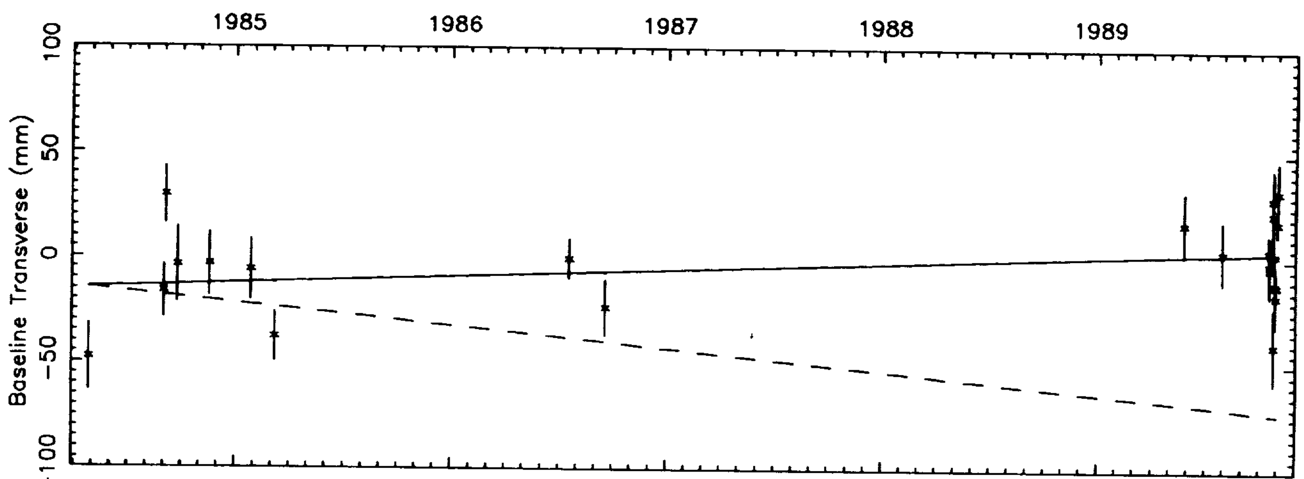
Observed Rate = .5 ± .9 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.8 mm

Weighted mean length = 3904144268.7 mm

Reduced Chi square = 3.16

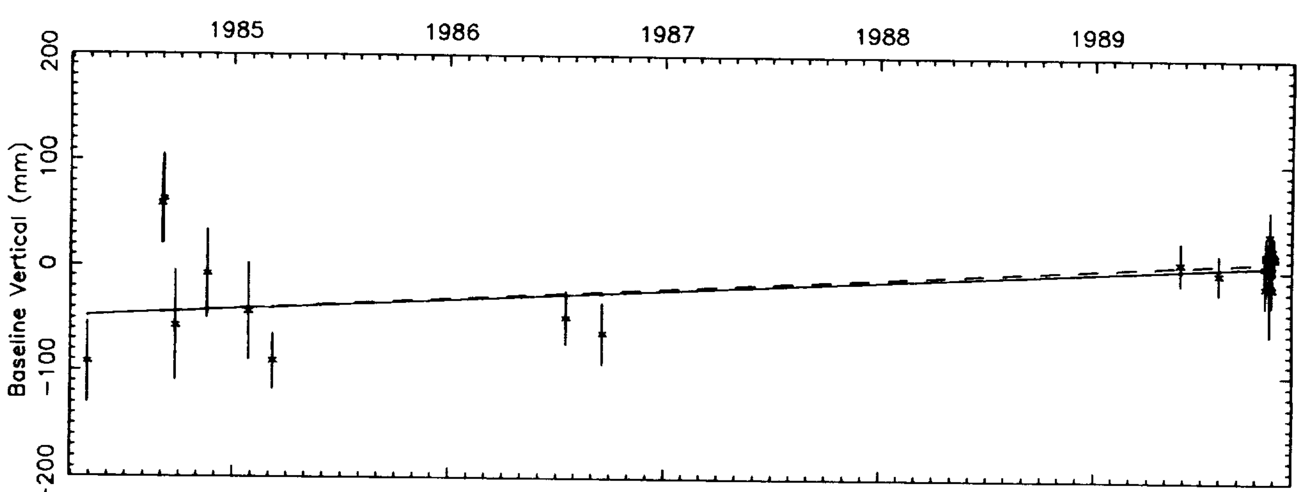


Observed Rate = 3.3 ± 1.7 mm/yr

NUVEL model rate = –10.5 mm/yr

Wrms of fit = 15.8 mm

Reduced Chi square = 2.40



Observed Rate = 9.6 ± 3.5 mm/yr

NUVEL model rate = 10.3 mm/yr

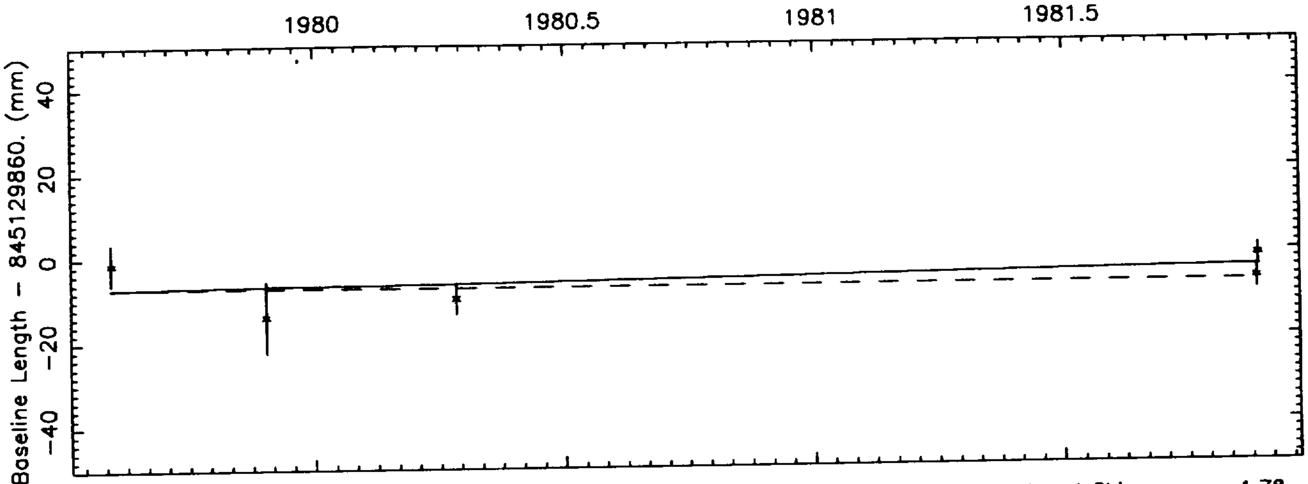
Wrms of fit = 22.1 mm

Reduced Chi square = 1.55

Vector baseline plots for HAYSTACK–NRAO 140

Baseline length = 845 kilometers

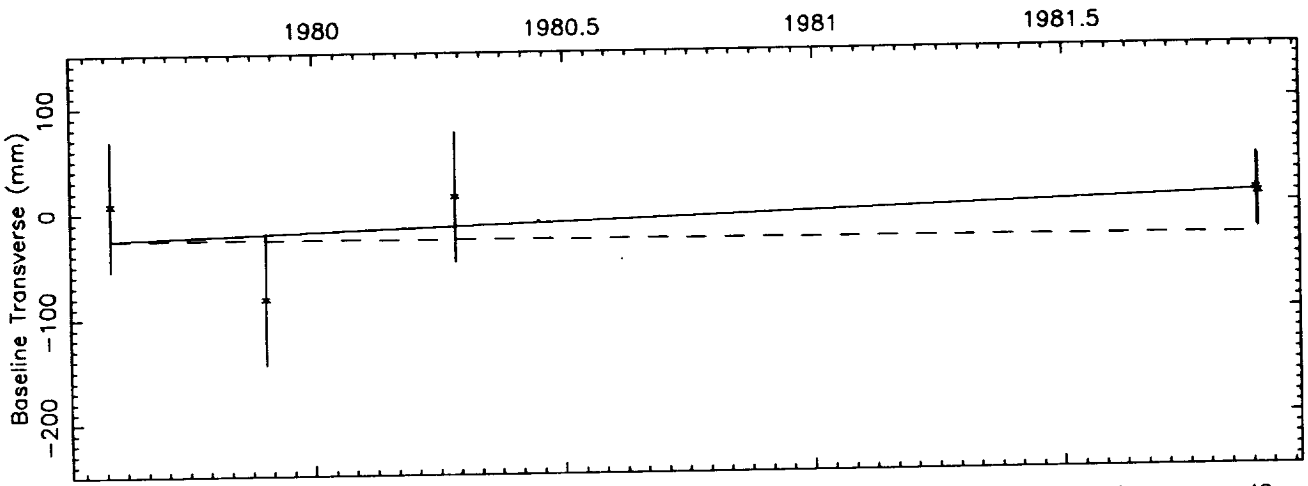
Number of sessions = 5



Observed Rate = 1.5 ± 2.3 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 3.5 mm
Weighted mean length = 845129855.2 mm

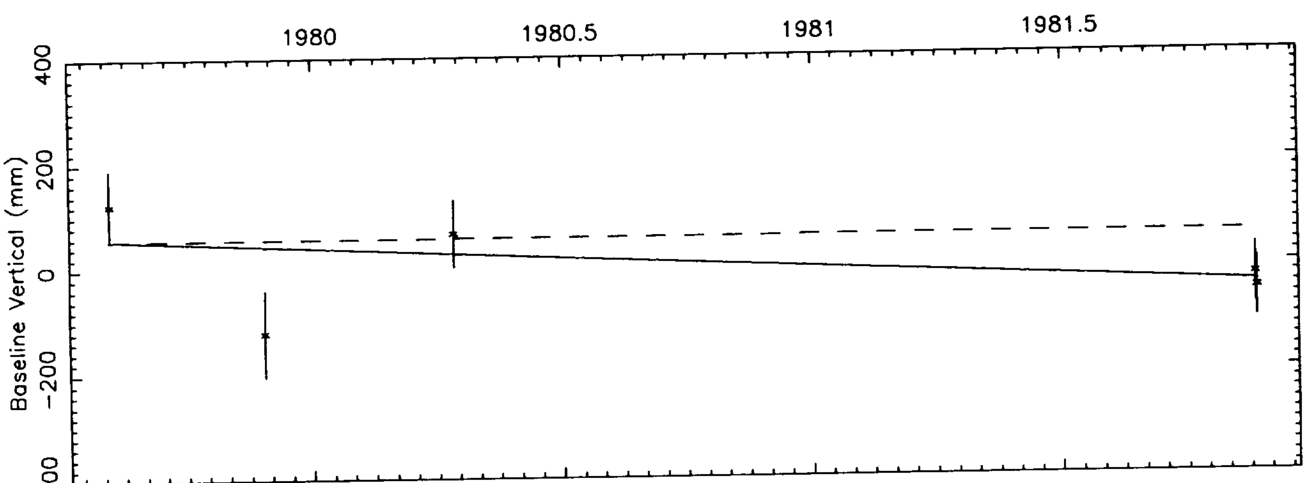
Reduced Chi square = 1.78



Observed Rate = 15.2 ± 15.2 mm/yr
NUVEL model rate = –2.3 mm/yr

Wrms of fit = 24.5 mm

Reduced Chi square = .49



Observed Rate = –41.3 ± 38.5 mm/yr
NUVEL model rate = 1.5 mm/yr

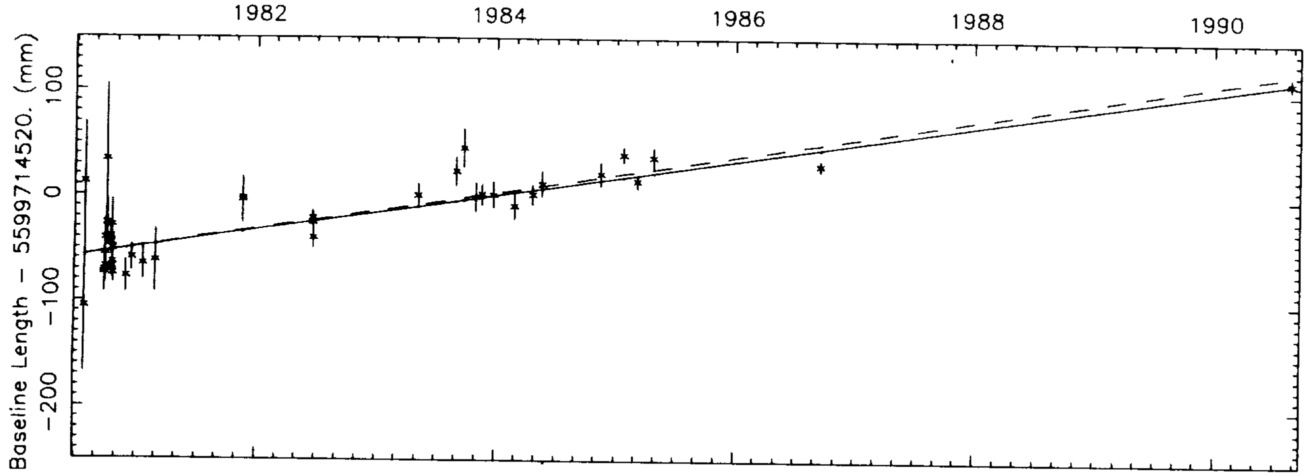
Wrms of fit = 66.3 mm

Reduced Chi square = 1.81

Vector baseline plots for HAYSTACK-ONSALA60

Baseline length = 5600 kilometers

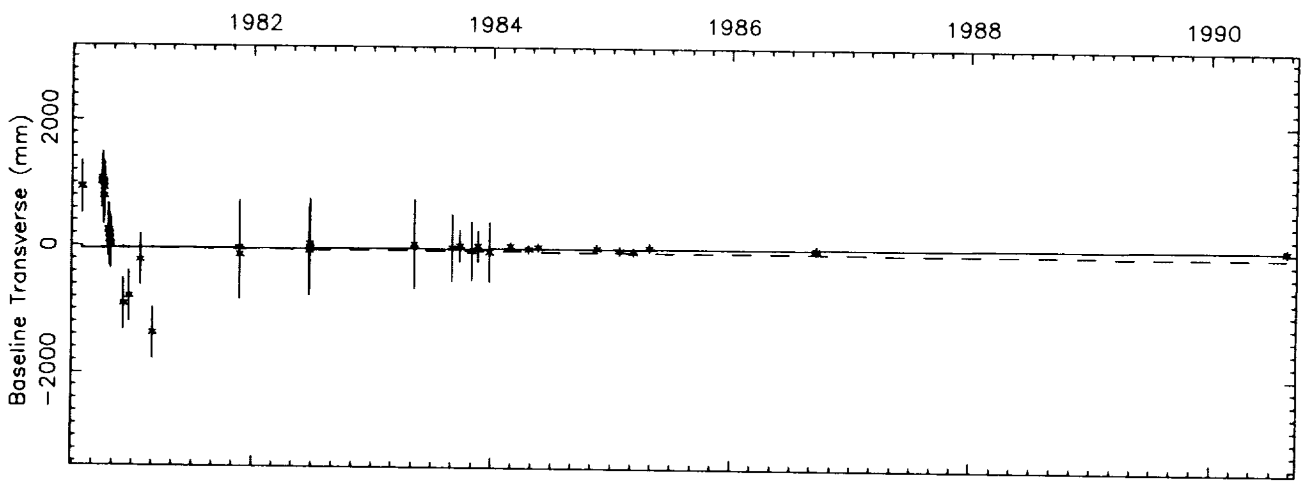
Number of sessions = 40



Observed Rate = 16.9 ± .8 mm/yr
NUVEL model rate = 17.6 mm/yr

Wrms of fit = 14.8 mm
Weighted mean length = 5599714518.7 mm

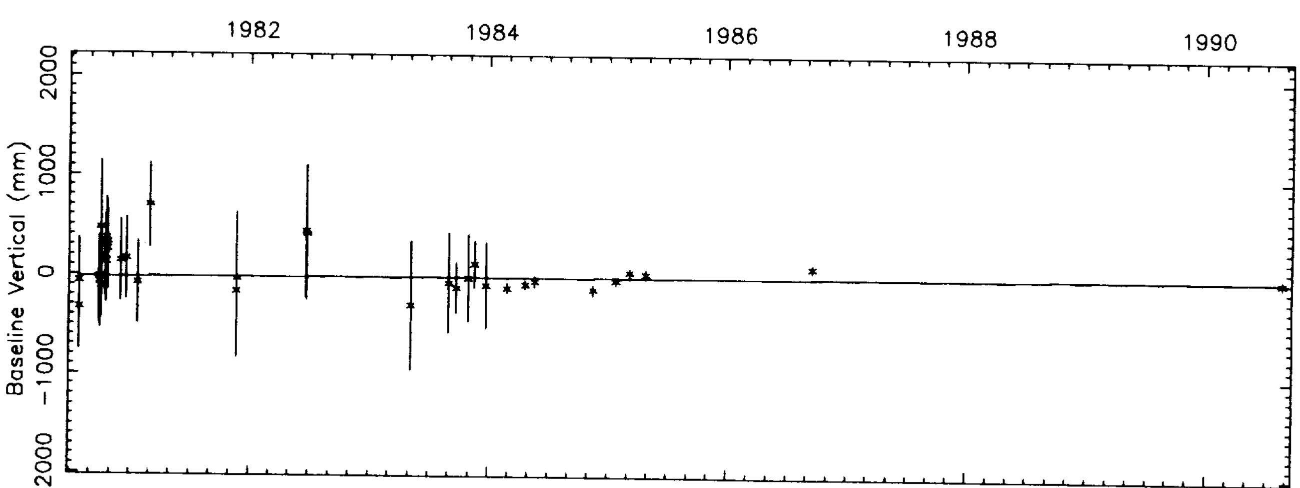
Reduced Chi square = 2.02



Observed Rate = 6.5 ± 2.5 mm/yr
NUVEL model rate = -4.3 mm/yr

Wrms of fit = 35.2 mm

Reduced Chi square = 3.42



Observed Rate = 3.1 ± 4.0 mm/yr
NUVEL model rate = 2.6 mm/yr

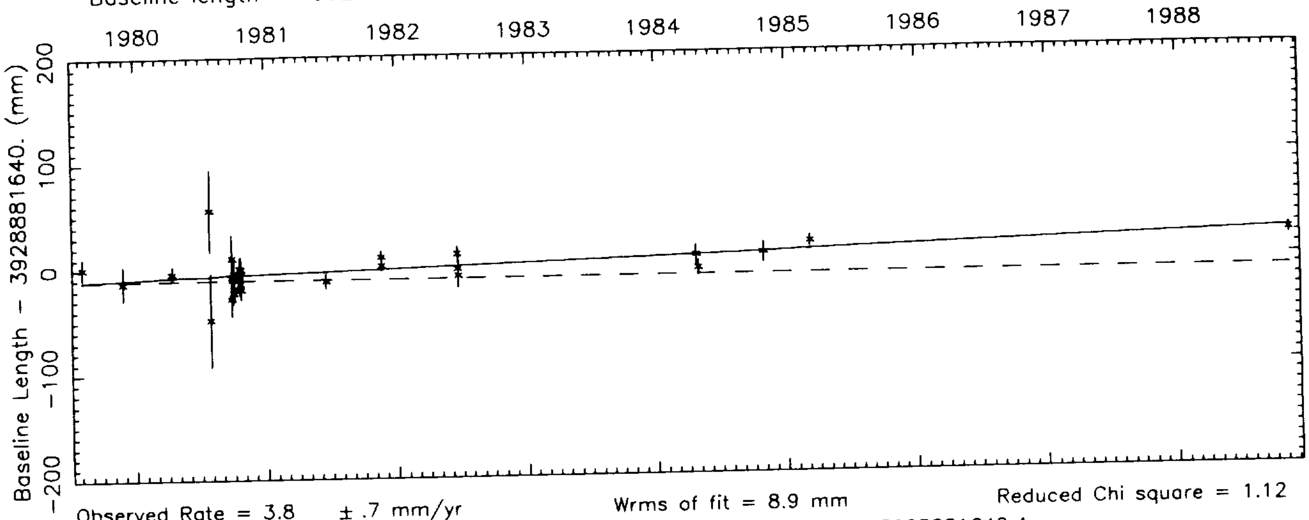
Wrms of fit = 68.4 mm

Reduced Chi square = 1.06

Vector baseline plots for HAYSTACK–OVRO 130

Baseline length = 3929 kilometers

Number of sessions = 29



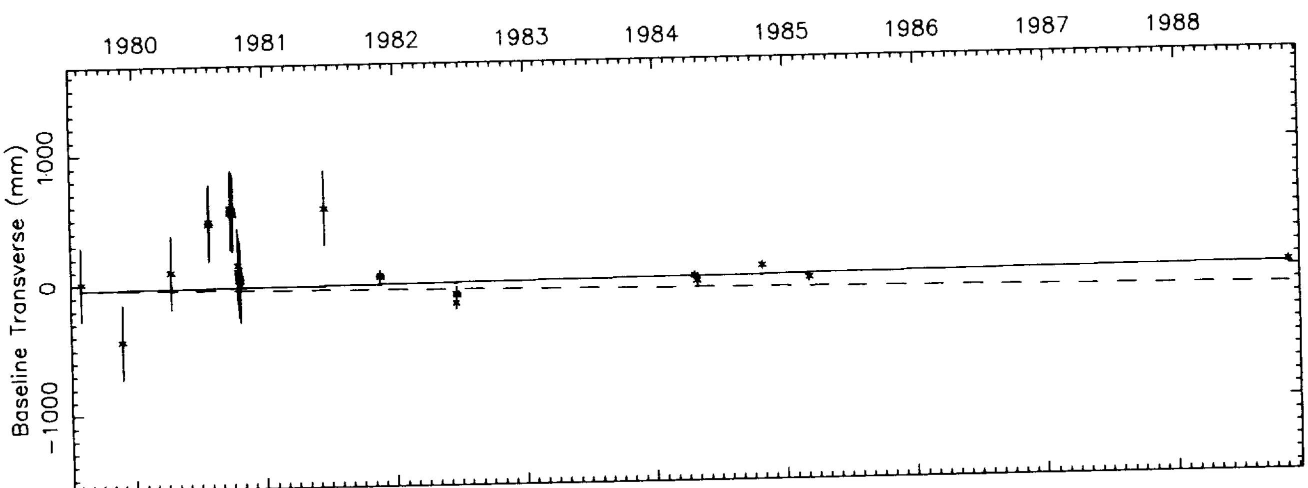
Observed Rate = 3.8 ± .7 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 8.9 mm

Weighted mean length = 3928881640.4 mm

Reduced Chi square = 1.12

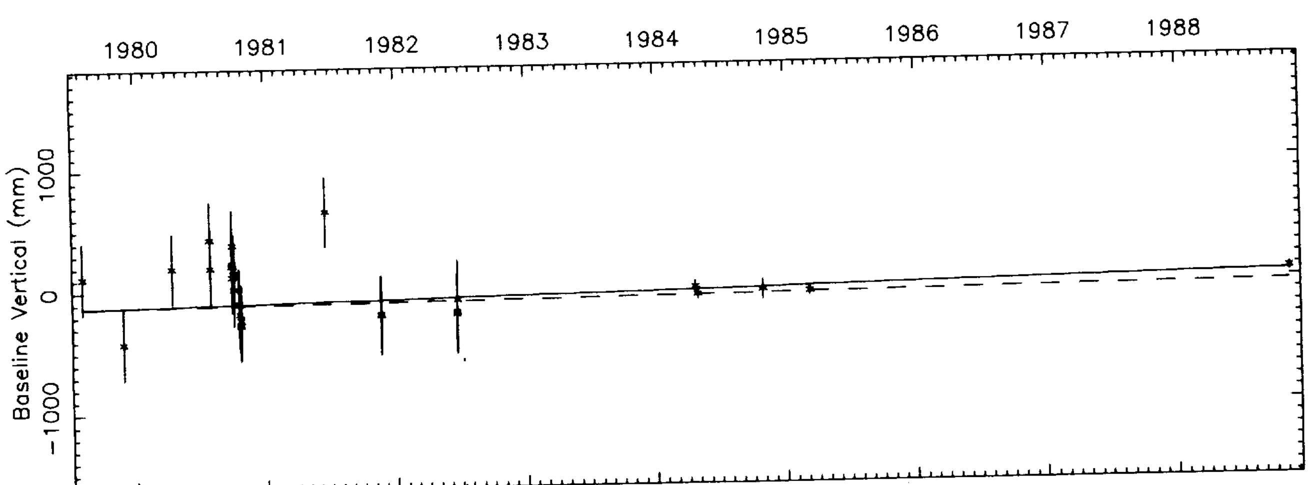


Observed Rate = 7.1 ± 6.4 mm/yr

NUVEL model rate = −10.4 mm/yr

Wrms of fit = 61.3 mm

Reduced Chi square = 3.80



Observed Rate = 19.4 ± 6.0 mm/yr

NUVEL model rate = 10.5 mm/yr

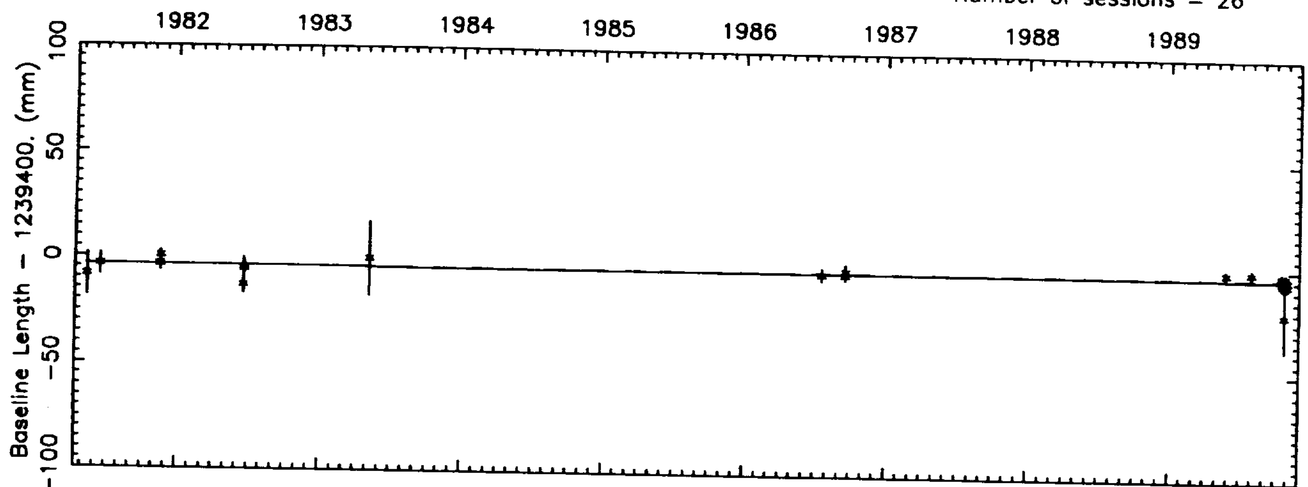
Wrms of fit = 74.1 mm

Reduced Chi square = .99

Vector baseline plots for HAYSTACK-WESTFORD

Baseline length = 1 kilometers

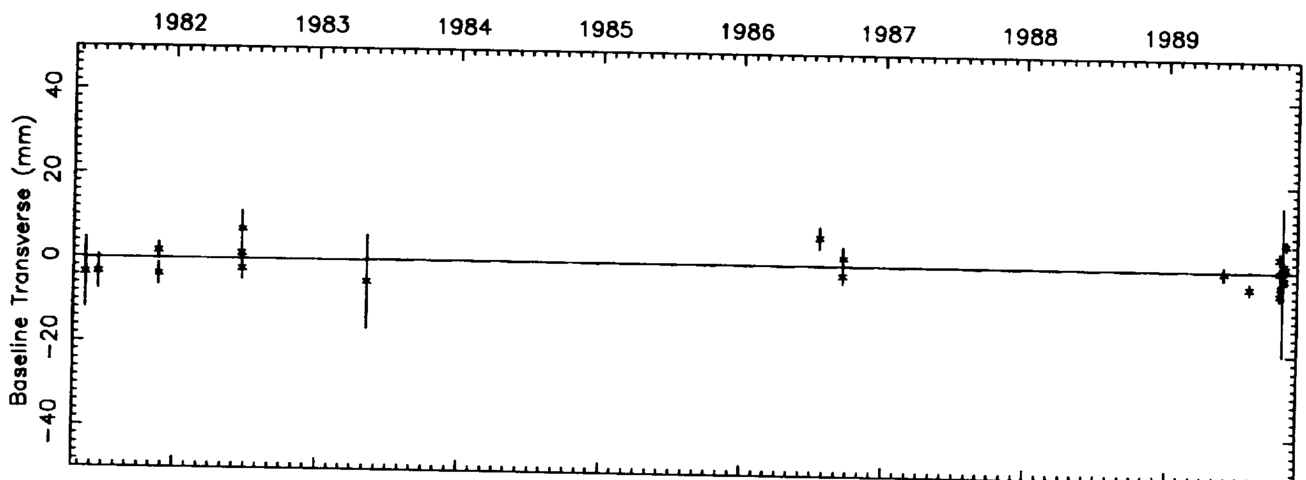
Number of sessions = 26



Observed Rate = -.1 ± .2 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 1.8 mm
Weighted mean length = 1239395.8 mm

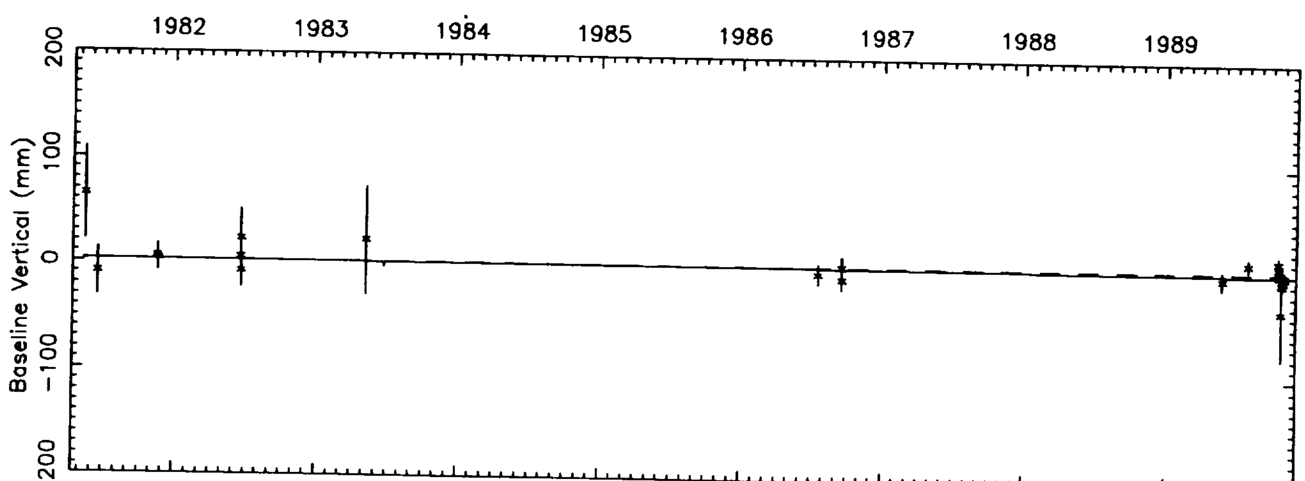
Reduced Chi square = 1.38



Observed Rate = .0 ± .3 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 2.8 mm

Reduced Chi square = 3.83



Observed Rate = -.3 ± .7 mm/yr
NUVEL model rate = .0 mm/yr

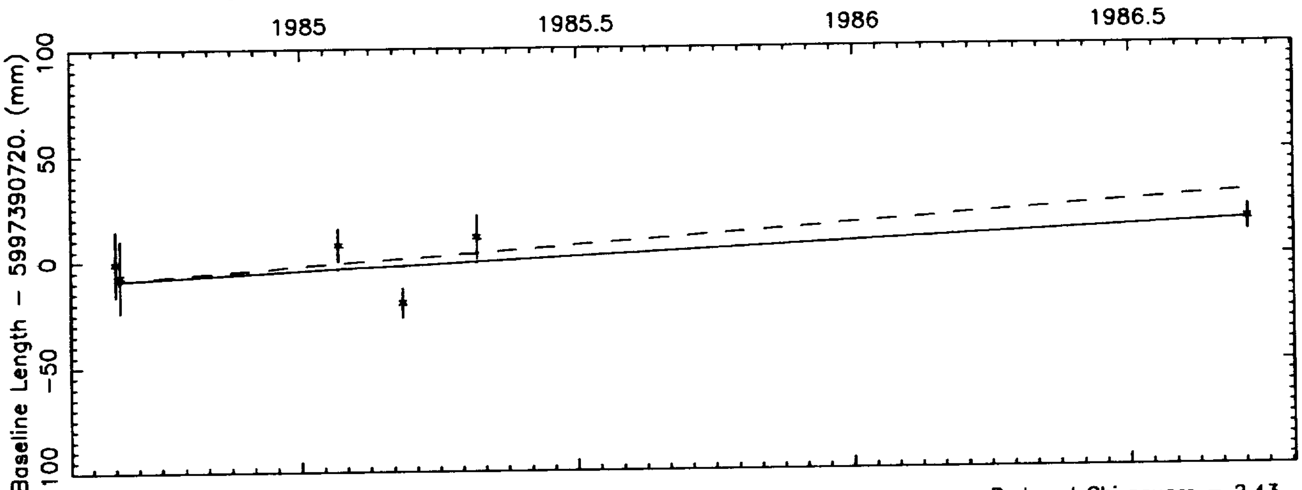
Wrms of fit = 5.7 mm

Reduced Chi square = 1.00

Vector baseline plots for HAYSTACK–WETTZELL

Baseline length = 5997 kilometers

Number of sessions = 6



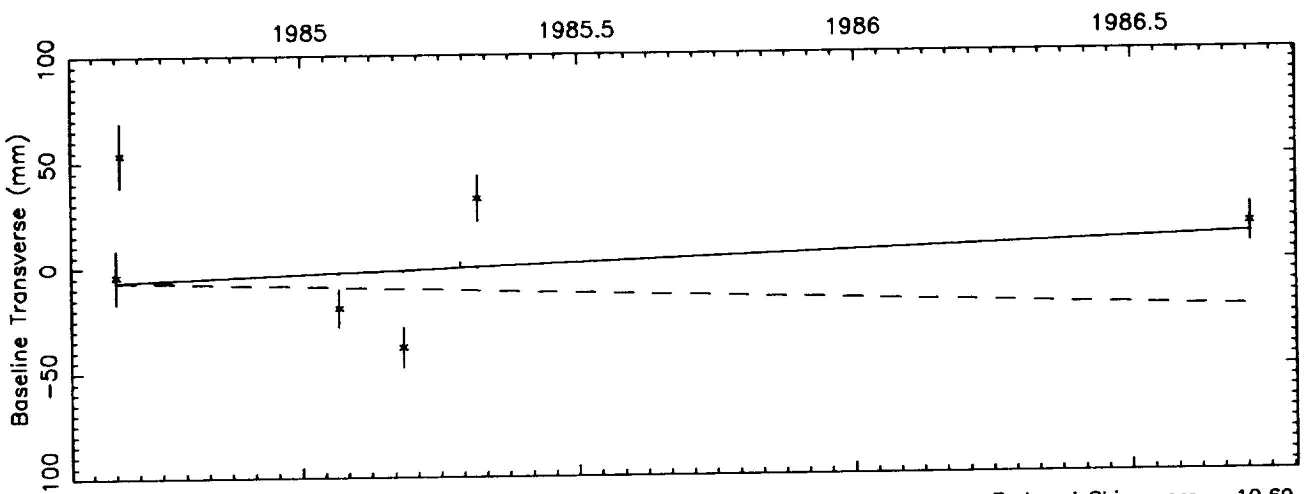
Observed Rate = 12.4 ± 7.2 mm/yr

NUVEL model rate = 18.9 mm/yr

Wrms of fit = 11.1 mm

Weighted mean length = 5997390722.6 mm

Reduced Chi square = 2.43

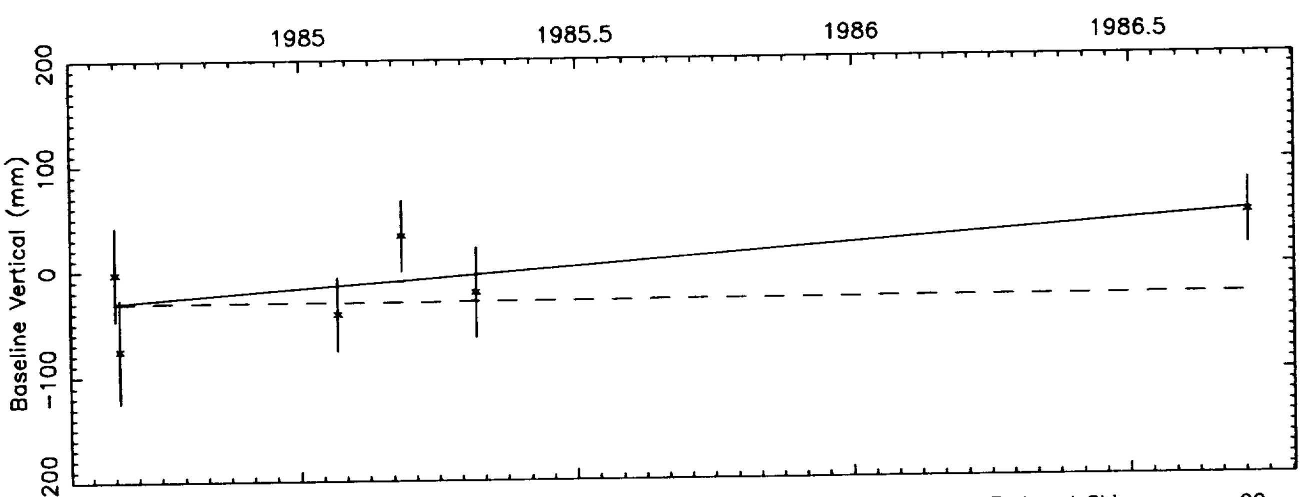


Observed Rate = 9.5 ± 20.1 mm/yr

NUVEL model rate = –7.5 mm/yr

Wrms of fit = 28.4 mm

Reduced Chi square = 10.69



Observed Rate = 39.9 ± 19.5 mm/yr

NUVEL model rate = 1.4 mm/yr

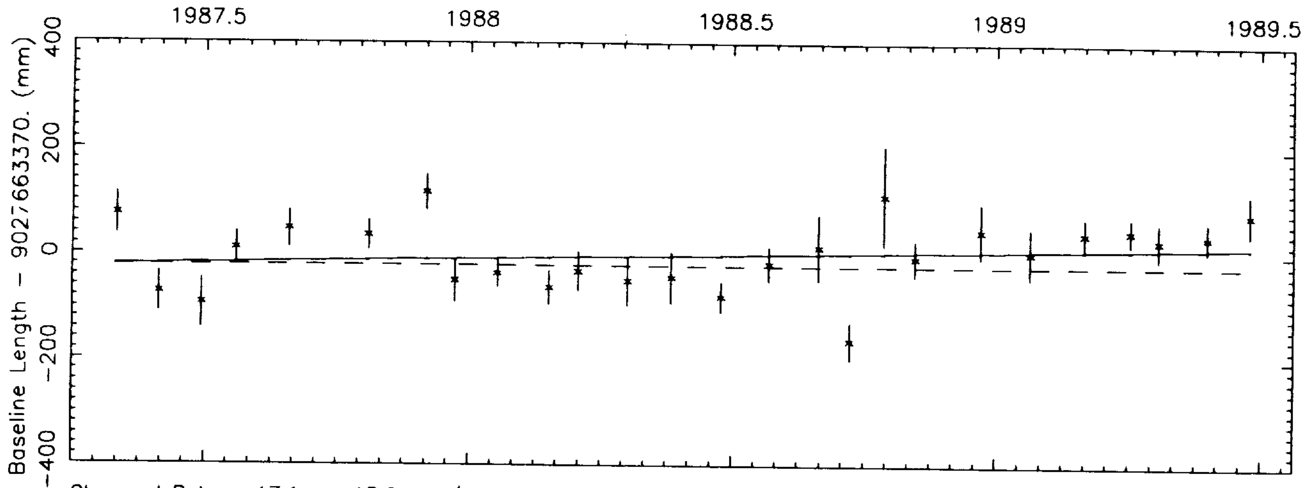
Wrms of fit = 29.4 mm

Reduced Chi square = .90

Vector baseline plots for HRAS 085–KASHIMA

Baseline length = 9028 kilometers

Number of sessions = 26



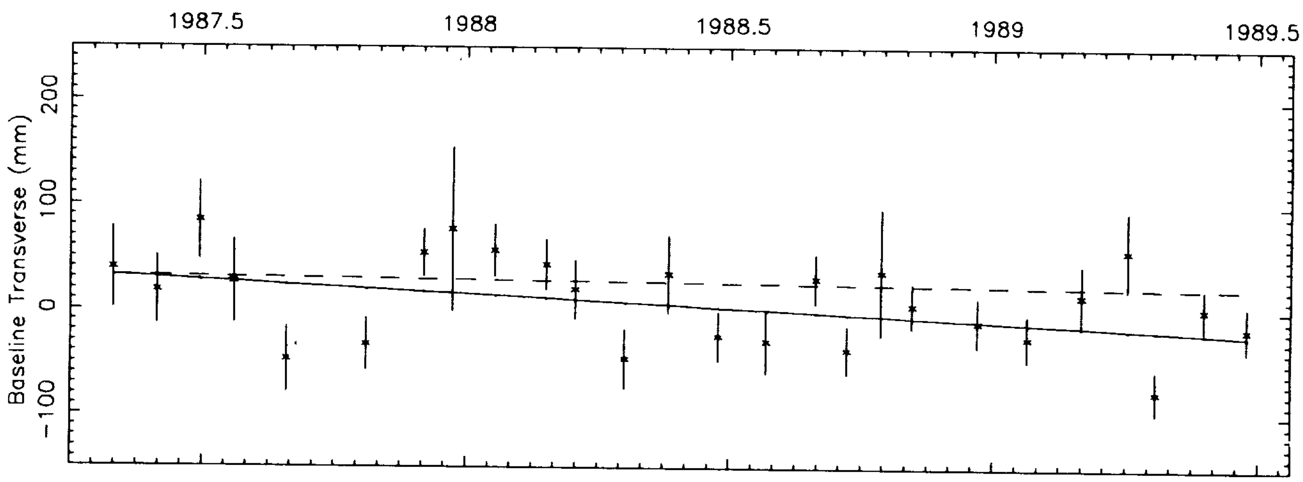
Observed Rate = 17.1 ± 18.9 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 60.8 mm

Weighted mean length = 9027663367.4 mm

Reduced Chi square = 3.17

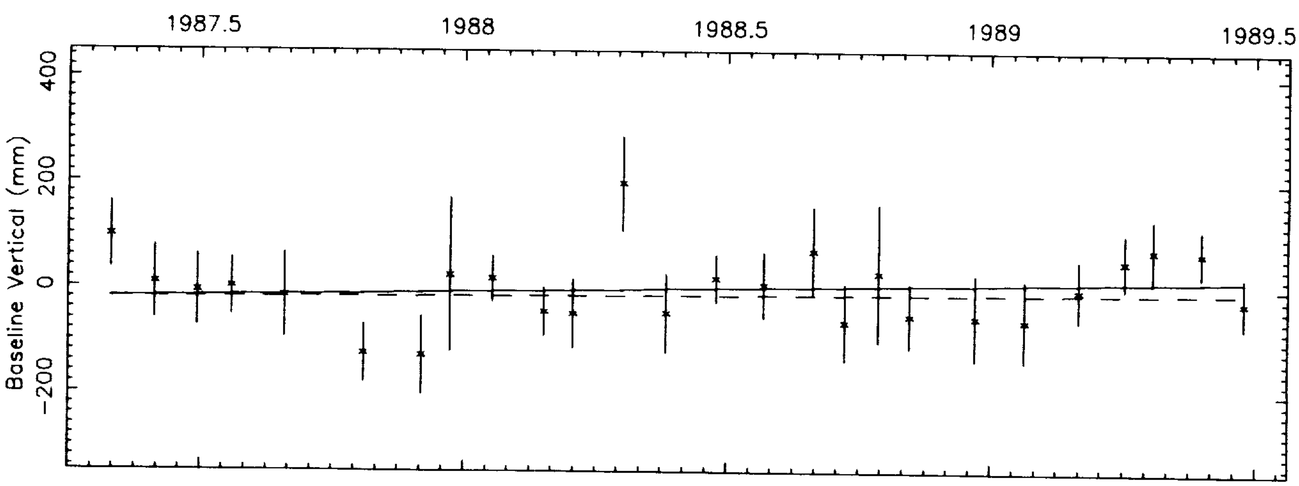


Observed Rate = −25.7 ± 11.7 mm/yr

NUVEL model rate = −5.2 mm/yr

Wrms of fit = 35.9 mm

Reduced Chi square = 1.94



Observed Rate = 16.9 ± 18.4 mm/yr

NUVEL model rate = 5.8 mm/yr

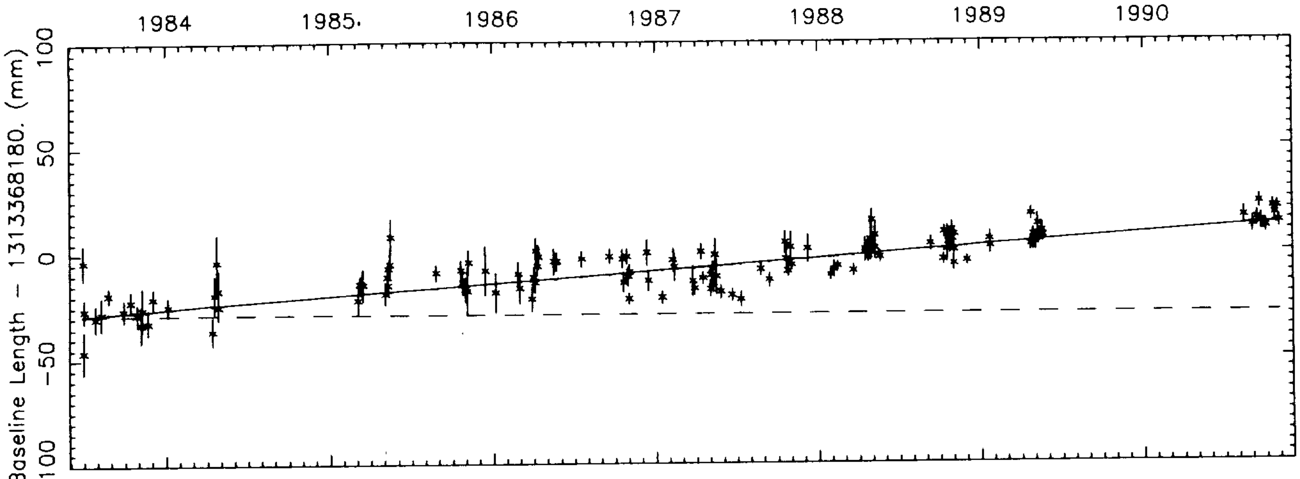
Wrms of fit = 60.9 mm

Reduced Chi square = 1.06

Vector baseline plots for HRAS 085–MOJAVE12

Baseline length = 1313 kilometers

Number of sessions = 134



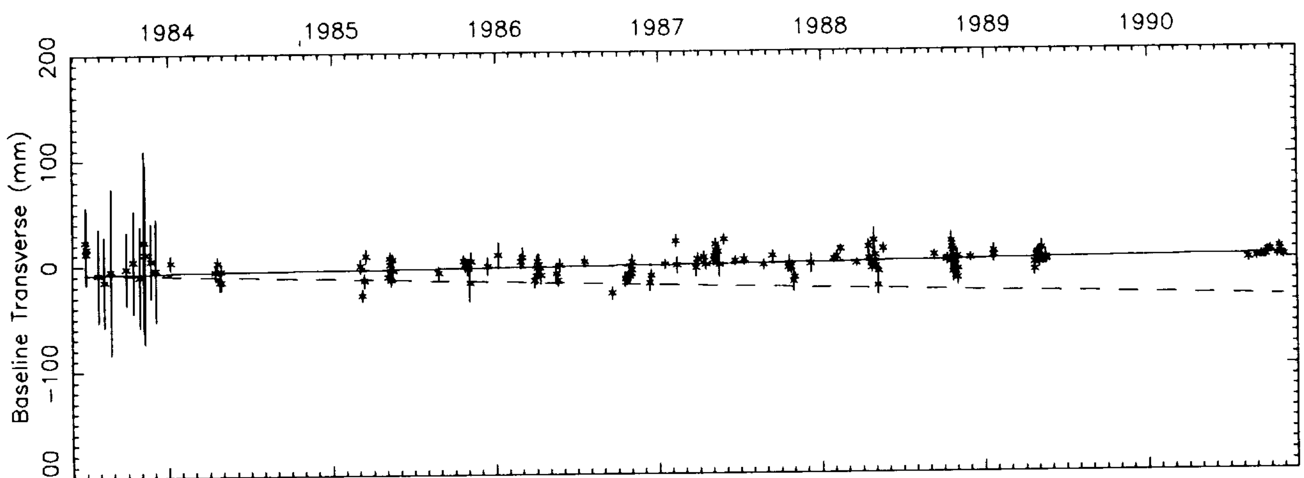
Observed Rate = 5.7 ± .3 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.9 mm

Weighted mean length = 1313368176.1 mm

Reduced Chi square = 2.94

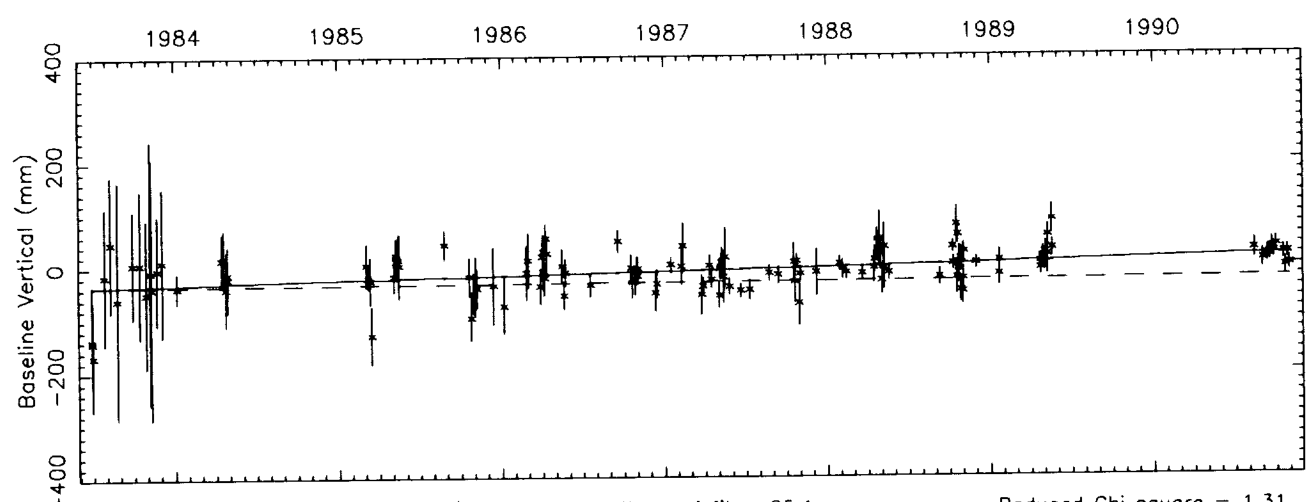


Observed Rate = 1.7 ± .4 mm/yr

NUVEL model rate = –3.7 mm/yr

Wrms of fit = 7.7 mm

Reduced Chi square = 1.94



Observed Rate = 7.4 ± 1.4 mm/yr

NUVEL model rate = 1.6 mm/yr

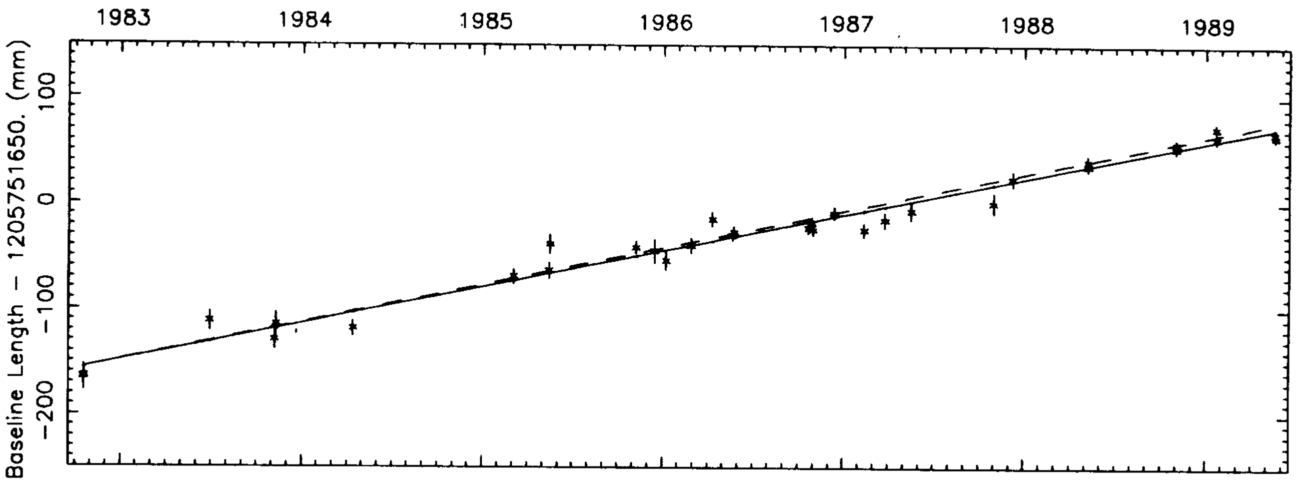
Wrms of fit = 25.1 mm

Reduced Chi square = 1.31

Vector baseline plots for HRAS 085–MON PEAK

Baseline length = 1206 kilometers

Number of sessions = 33



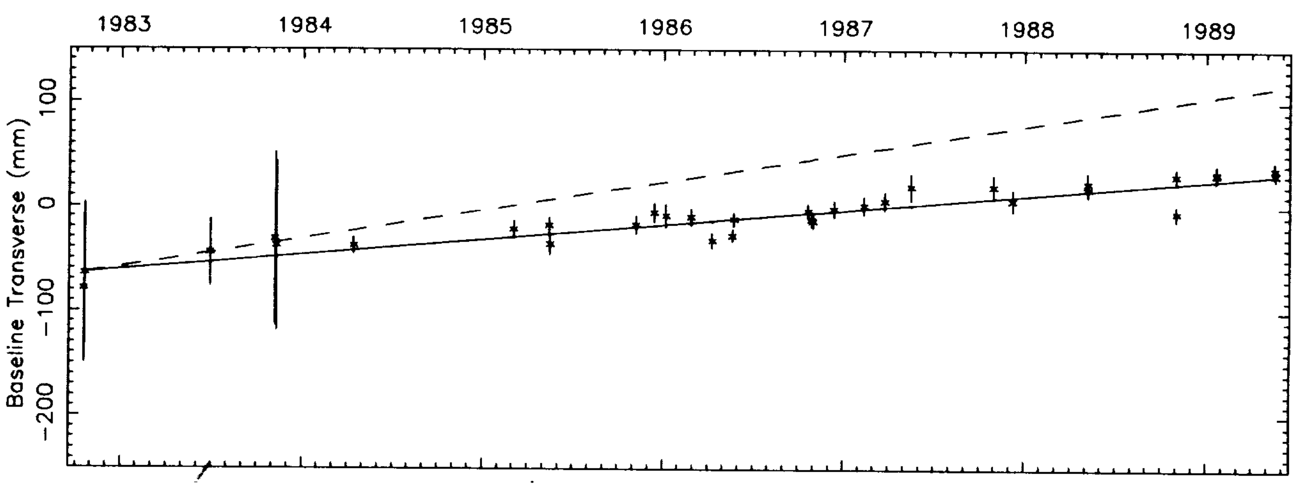
Observed Rate = 34.6 ± .9 mm/yr

NUVEL model rate = 35.5 mm/yr

Wrms of fit = 8.6 mm

Weighted mean length = 1205751649.0 mm

Reduced Chi square = 2.11

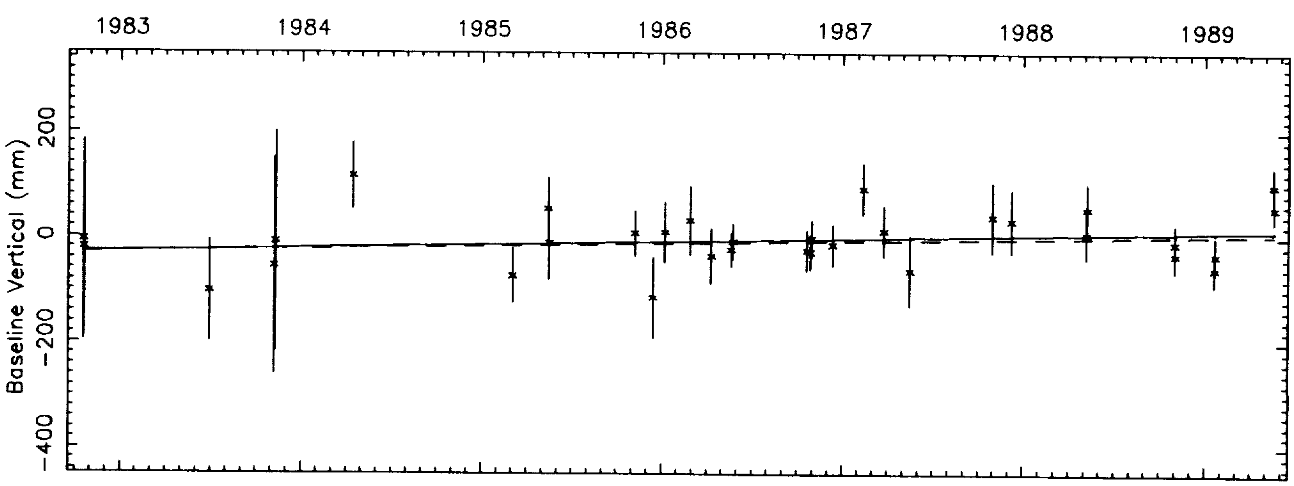


Observed Rate = 14.4 ± 1.2 mm/yr

NUVEL model rate = 27.2 mm/yr

Wrms of fit = 9.7 mm

Reduced Chi square = 1.49



Observed Rate = 6.4 ± 5.8 mm/yr

NUVEL model rate = 5.3 mm/yr

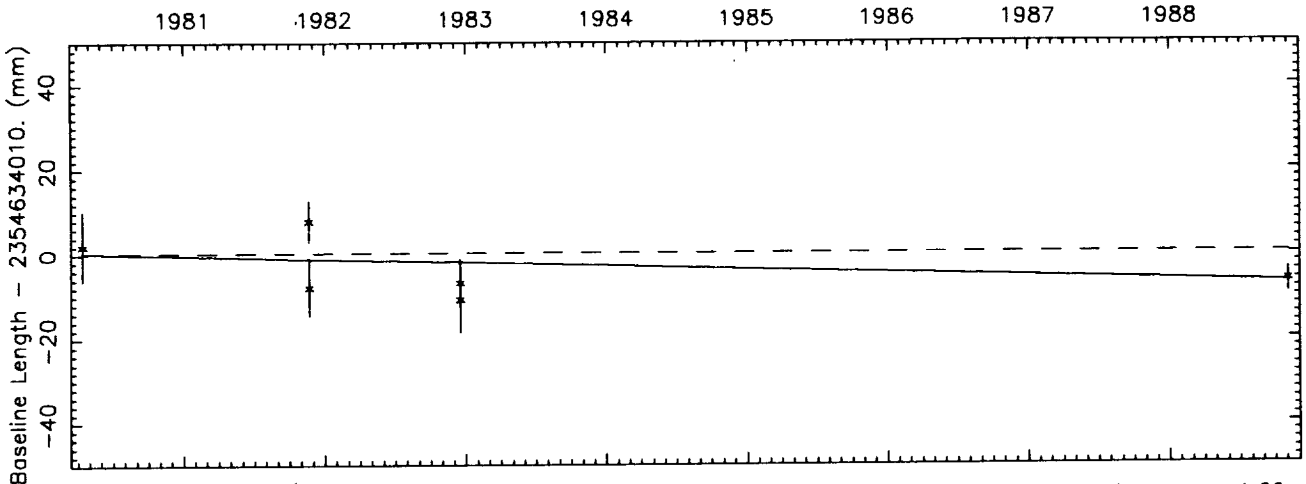
Wrms of fit = 46.2 mm

Reduced Chi square = 1.11

Vector baseline plots for HRAS 085–NRAO 140

Baseline length = 2355 kilometers

Number of sessions = 6



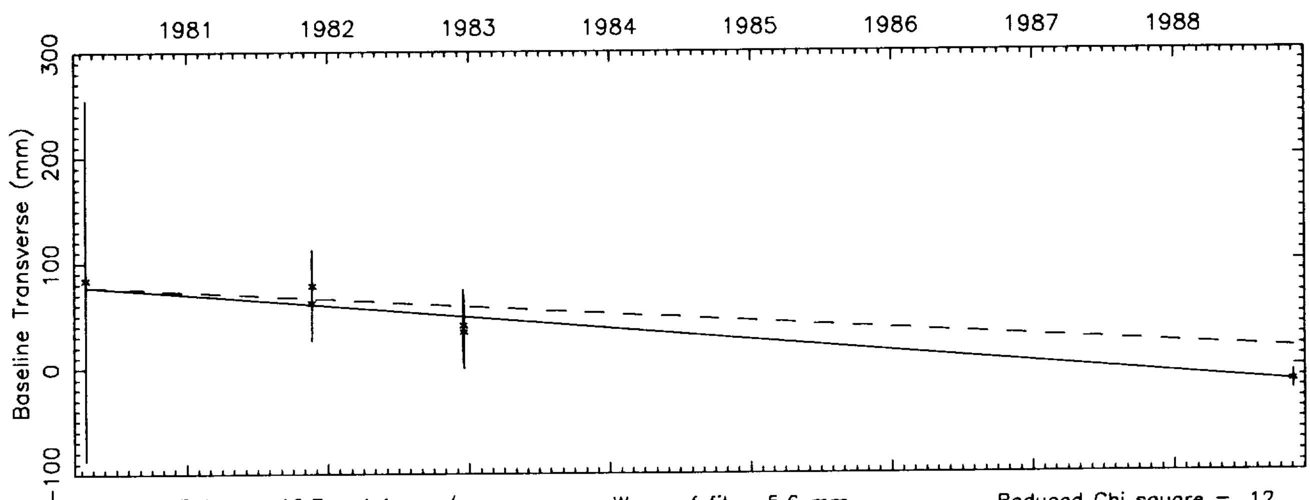
Observed Rate = –.9 ± .8 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 5.3 mm

Weighted mean length = 2354634006.0 mm

Reduced Chi square = 1.66

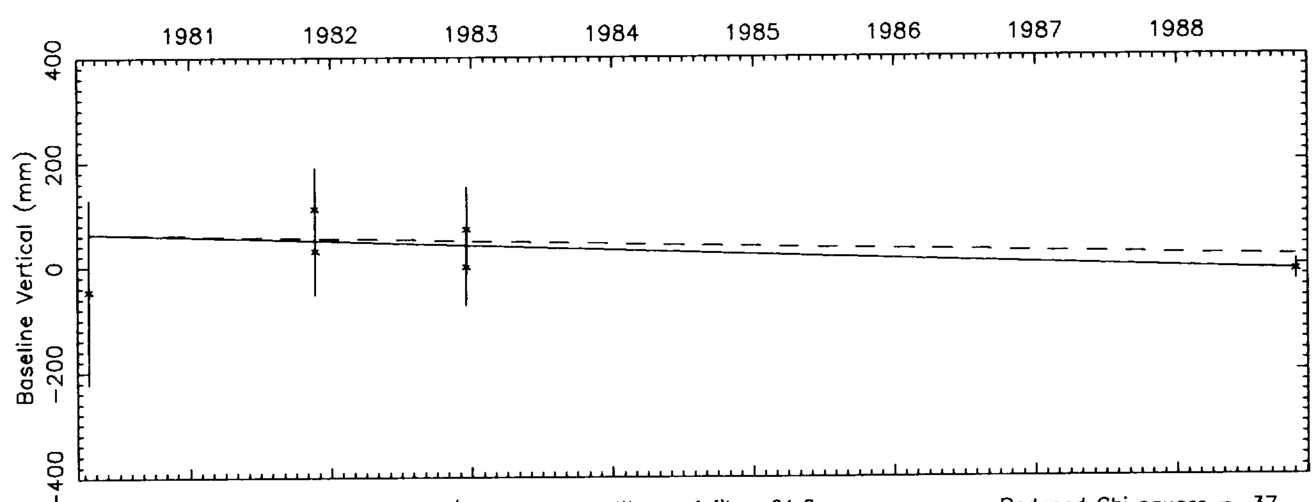


Observed Rate = –10.7 ± 1.1 mm/yr

NUVEL model rate = –7.0 mm/yr

Wrms of fit = 5.6 mm

Reduced Chi square = .12



Observed Rate = –8.7 ± 4.0 mm/yr

NUVEL model rate = –5.4 mm/yr

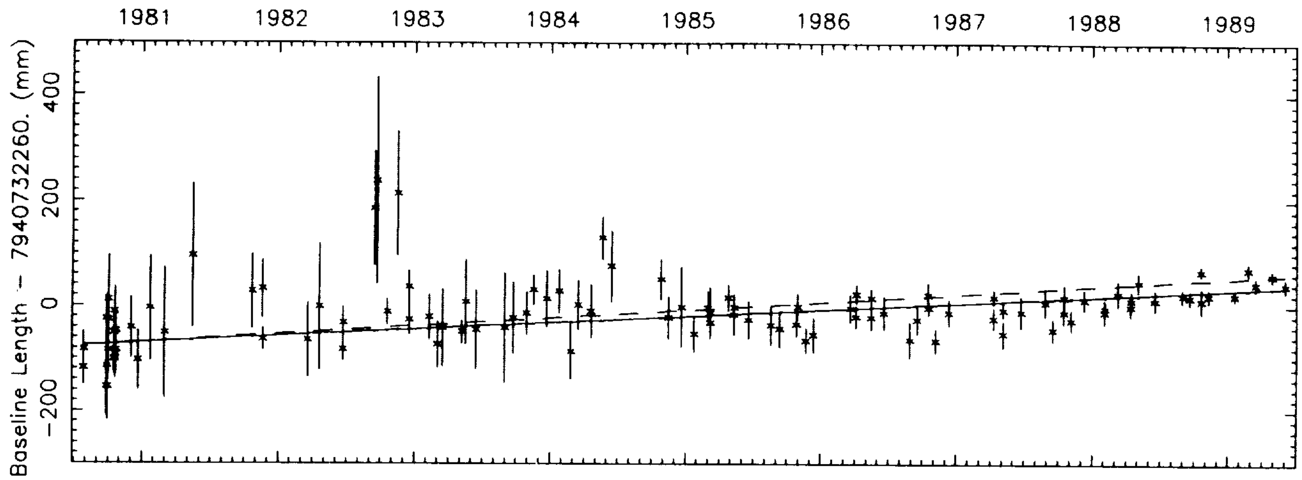
Wrms of fit = 21.0 mm

Reduced Chi square = .37

Vector baseline plots for HRAS 085–ONSALA60

Baseline length = 7941 kilometers

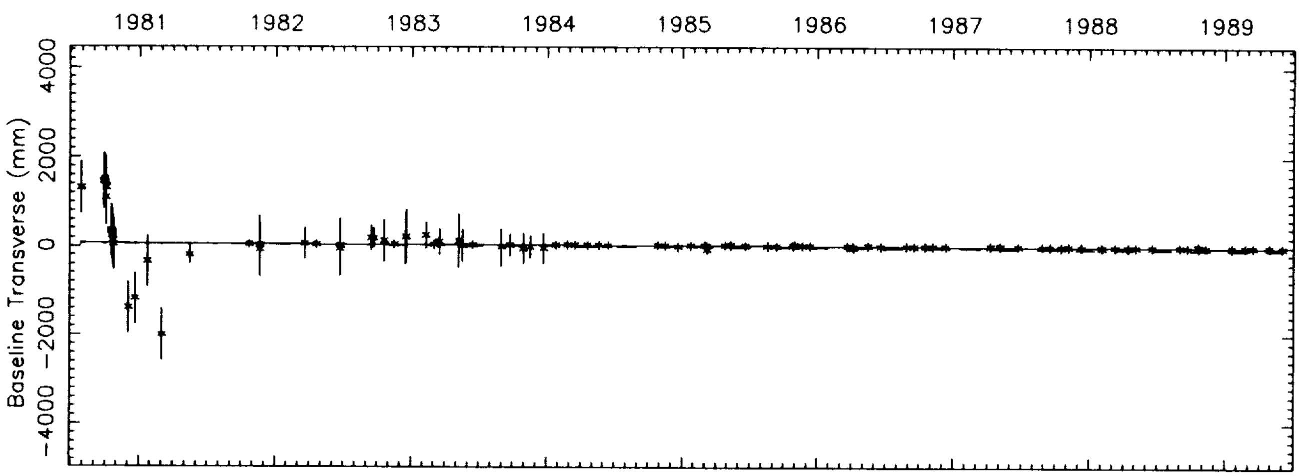
Number of sessions = 108



Observed Rate = 12.6 ± 1.2 mm/yr
NUVEL model rate = 15.3 mm/yr

Wrms of fit = 29.6 mm
Weighted mean length = 7940732264.5 mm

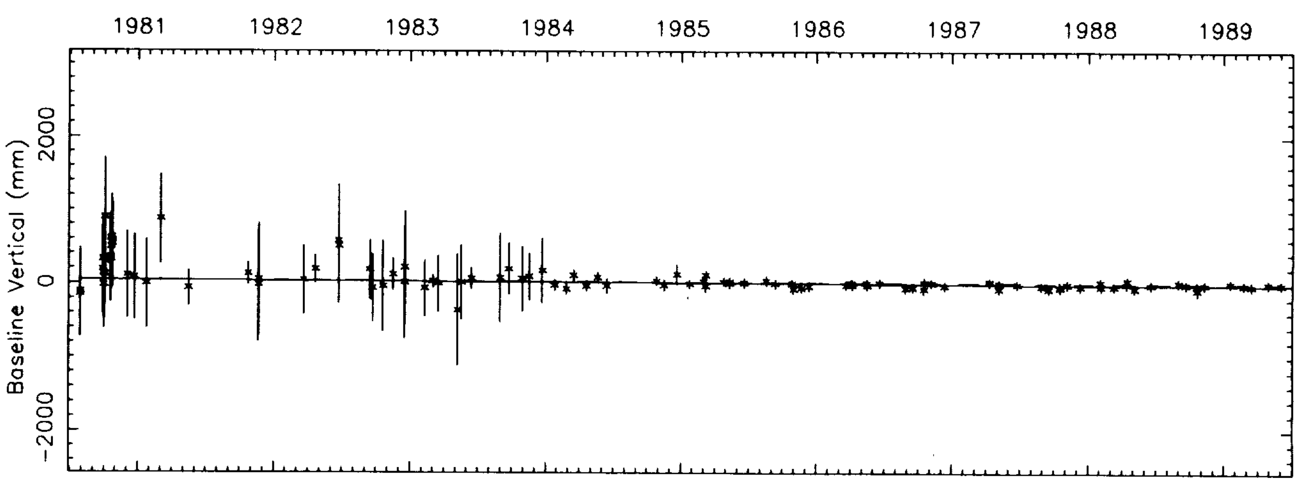
Reduced Chi square = 1.73



Observed Rate = –9.1 ± 1.3 mm/yr
NUVEL model rate = –16.0 mm/yr

Wrms of fit = 20.1 mm

Reduced Chi square = 1.86



Observed Rate = –6.0 ± 2.5 mm/yr
NUVEL model rate = –3.6 mm/yr

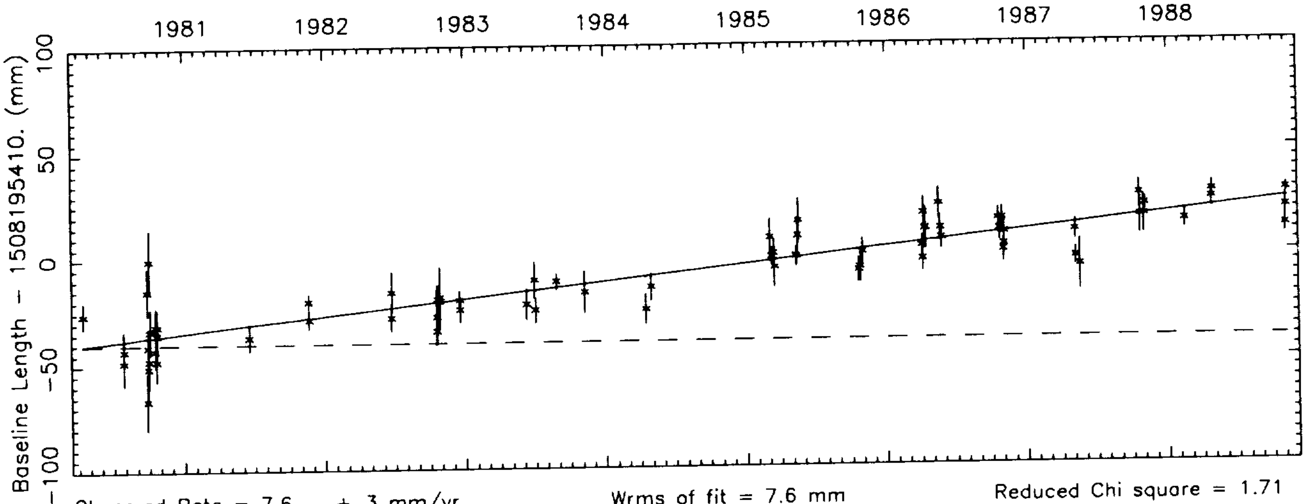
Wrms of fit = 38.3 mm

Reduced Chi square = .52

Vector baseline plots for HRAS 085–OVRO 130

Baseline length = 1508 kilometers

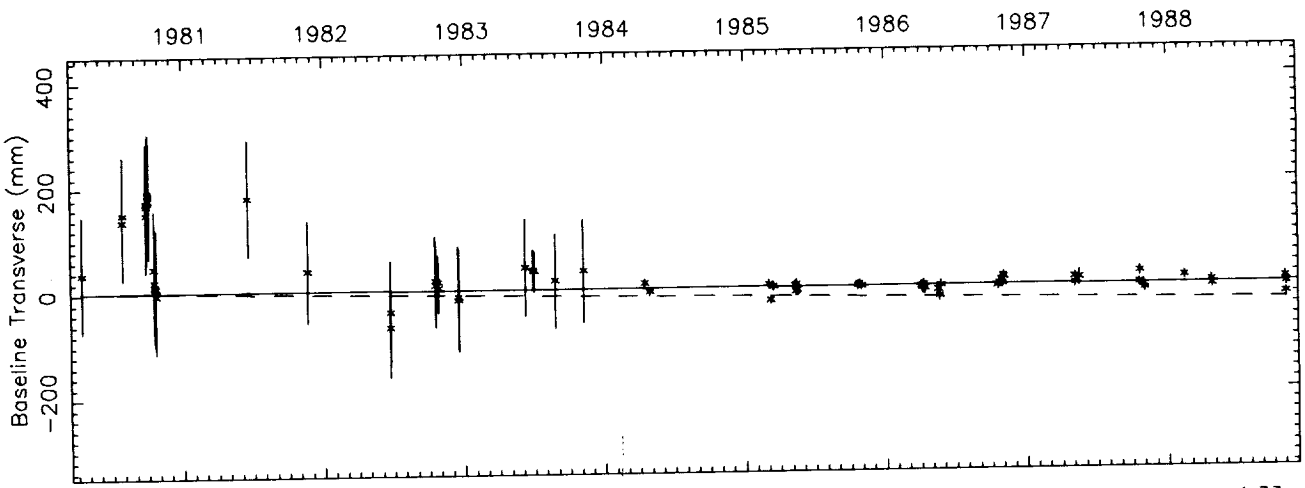
Number of sessions = 73



Observed Rate = 7.6 ± .3 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 7.6 mm
Weighted mean length = 1508195409.1 mm

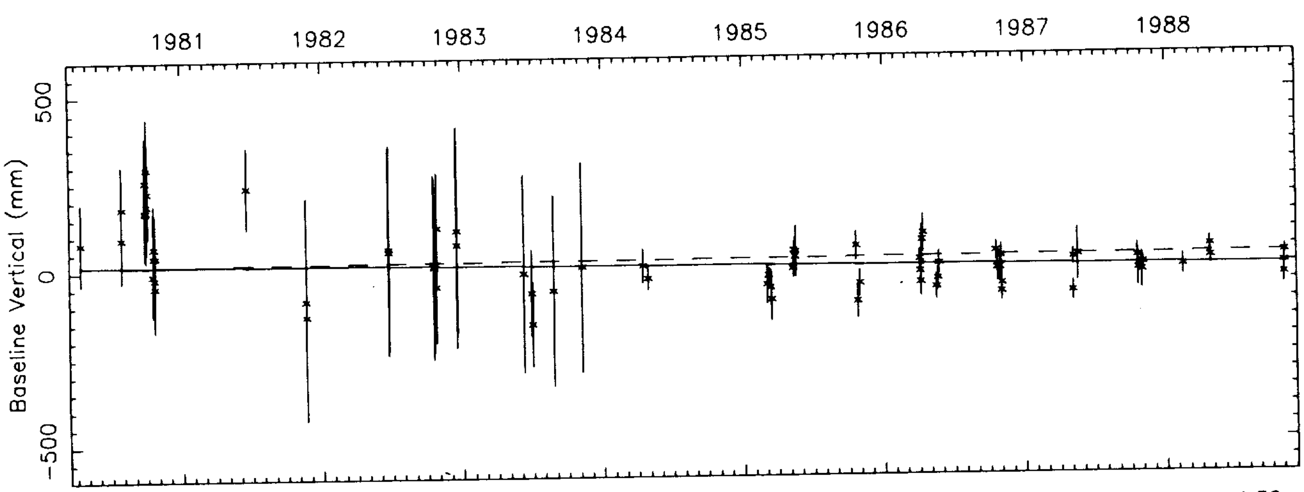
Reduced Chi square = 1.71



Observed Rate = −.5 ± 1.0 mm/yr
NUVEL model rate = −4.1 mm/yr

Wrms of fit = 10.8 mm

Reduced Chi square = 1.33



Observed Rate = −2.5 ± 3.4 mm/yr
NUVEL model rate = 1.5 mm/yr

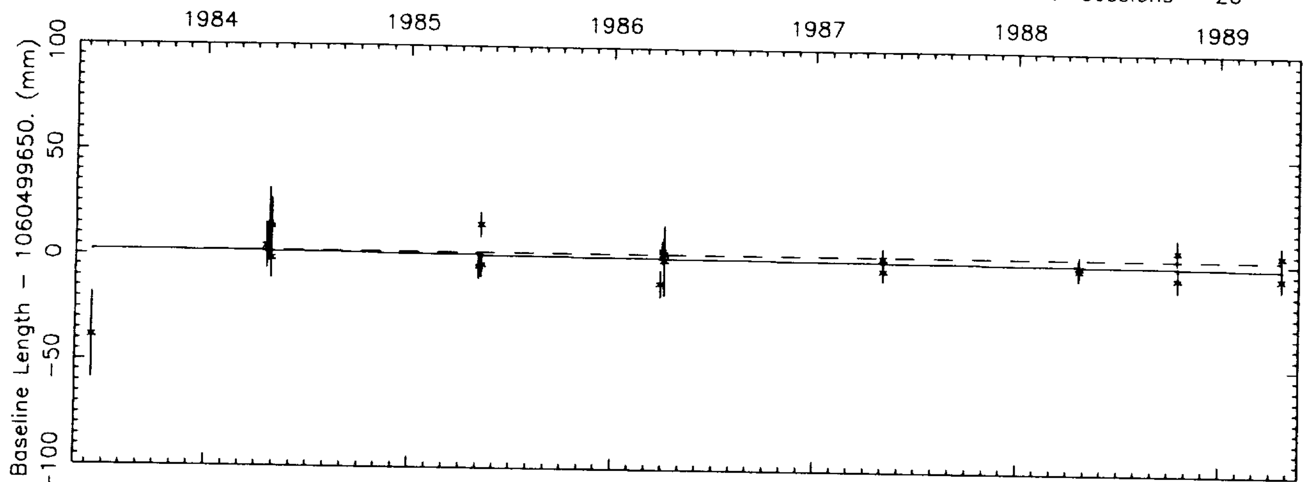
Wrms of fit = 46.9 mm

Reduced Chi square = 1.32

Vector baseline plots for HRAS 085–PLATTVIL

Baseline length = 1060 kilometers

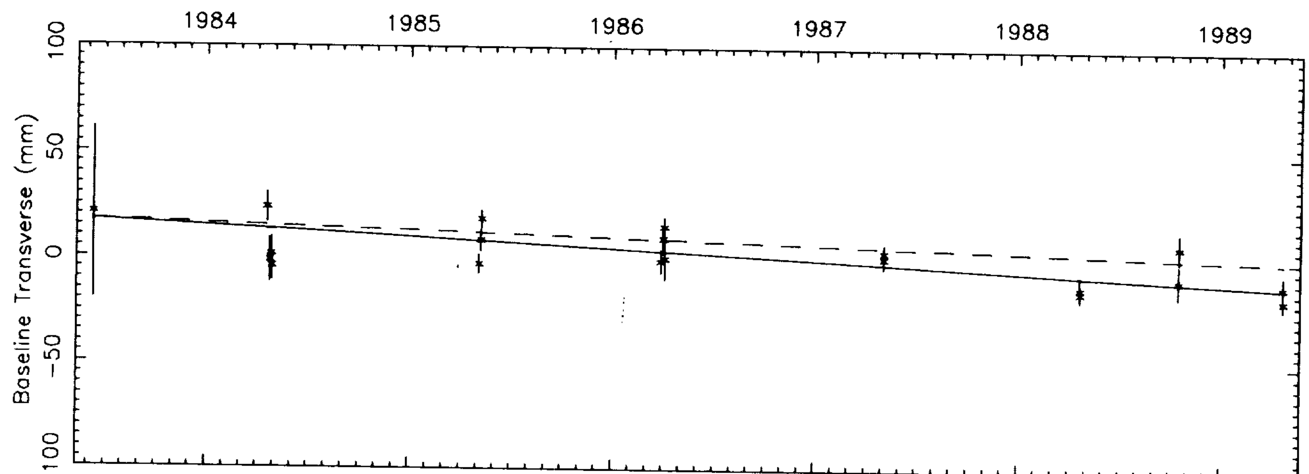
Number of sessions = 20



Observed Rate = −.7 ± 1.0 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 6.7 mm
Weighted mean length = 1060499649.5 mm

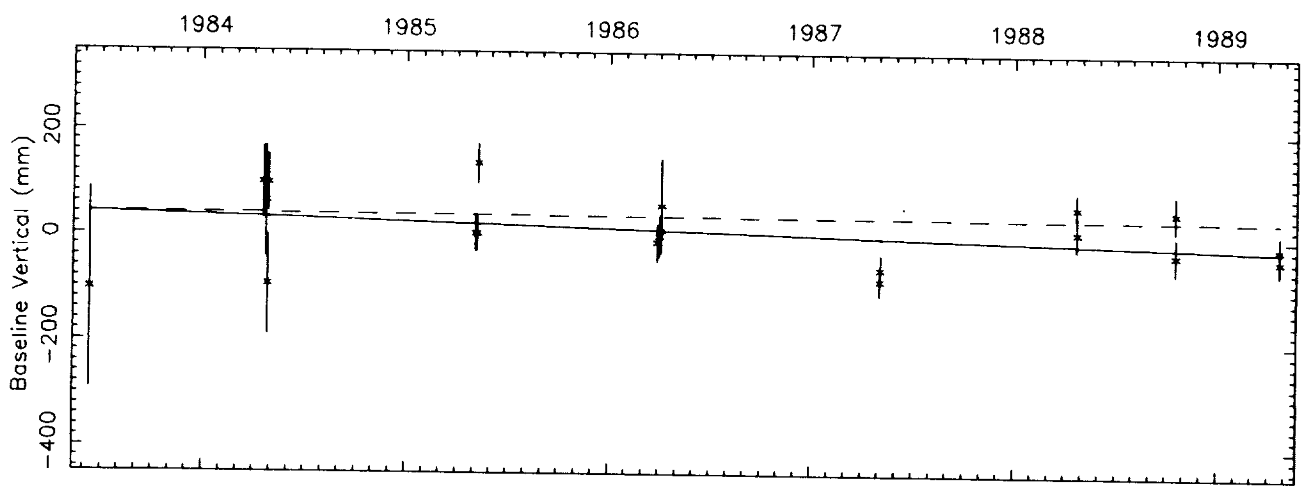
Reduced Chi square = 1.27



Observed Rate = −5.0 ± 1.2 mm/yr
NUVEL model rate = −3.0 mm/yr

Wrms of fit = 8.5 mm

Reduced Chi square = 2.68



Observed Rate = −10.6 ± 7.6 mm/yr
NUVEL model rate = −1.1 mm/yr

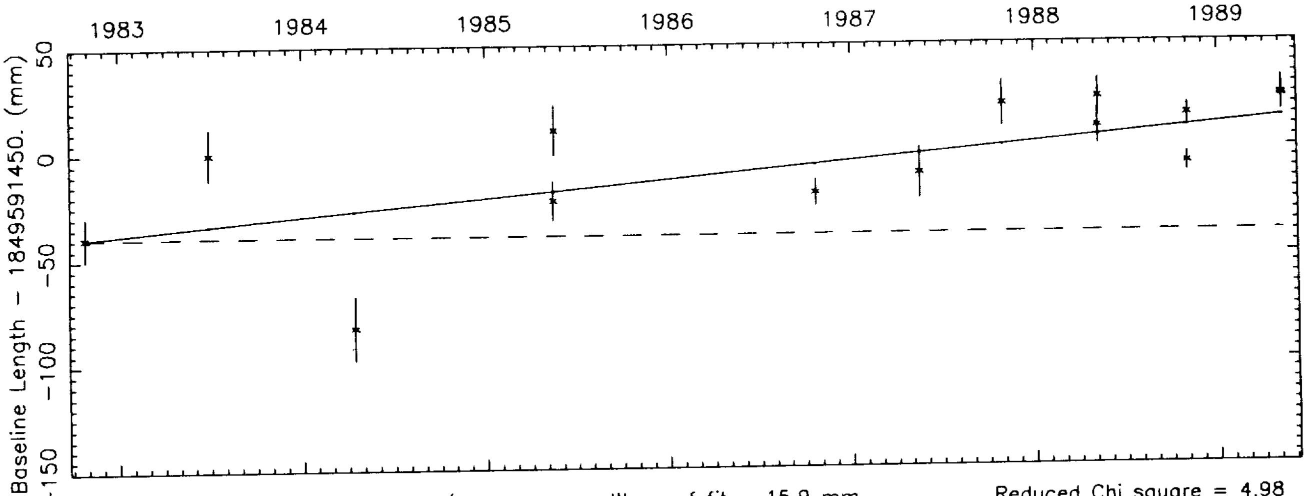
Wrms of fit = 50.8 mm

Reduced Chi square = 2.20

Vector baseline plots for HRAS 085–QUINCY

Baseline length = 1850 kilometers

Number of sessions = 14



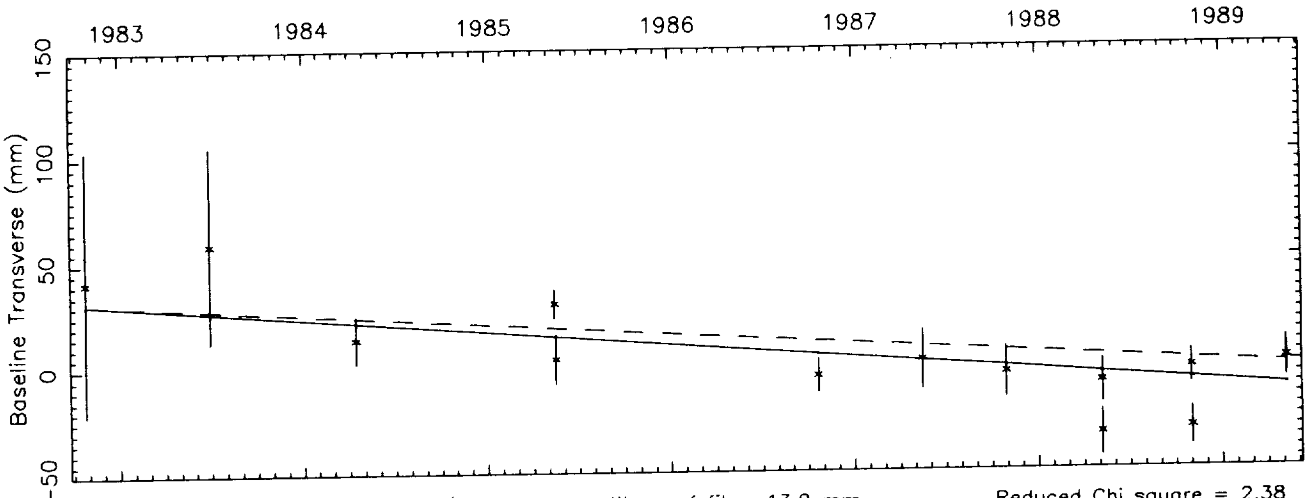
Observed Rate = 8.2 ± 2.6 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 15.9 mm

Weighted mean length = 1849591451.2 mm

Reduced Chi square = 4.98

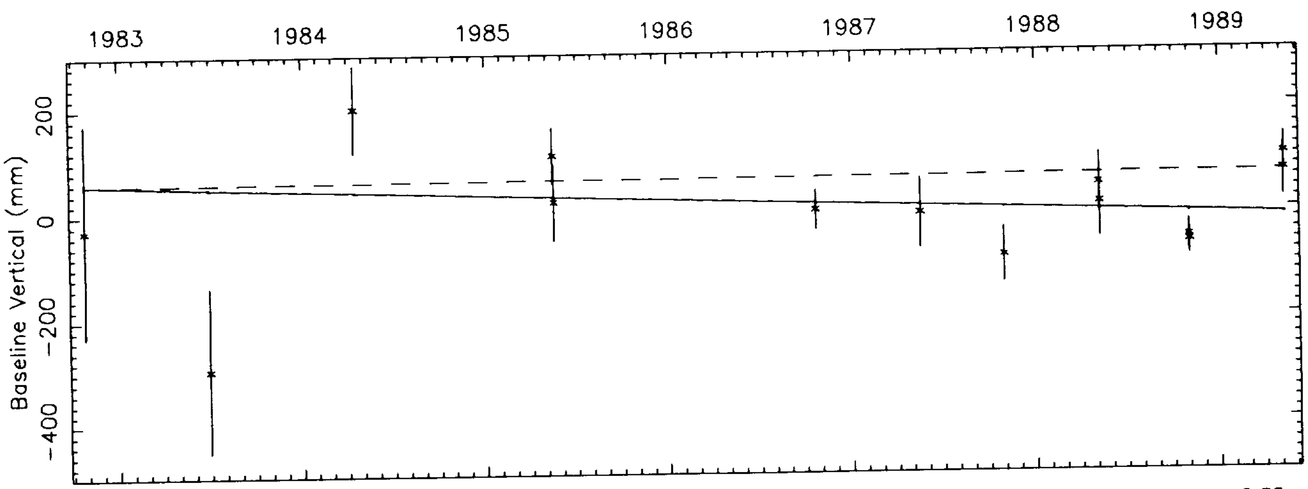


Observed Rate = −6.5 ± 2.4 mm/yr

NUVEL model rate = −4.9 mm/yr

Wrms of fit = 13.9 mm

Reduced Chi square = 2.38



Observed Rate = −11.1 ± 15.2 mm/yr

NUVEL model rate = 1.5 mm/yr

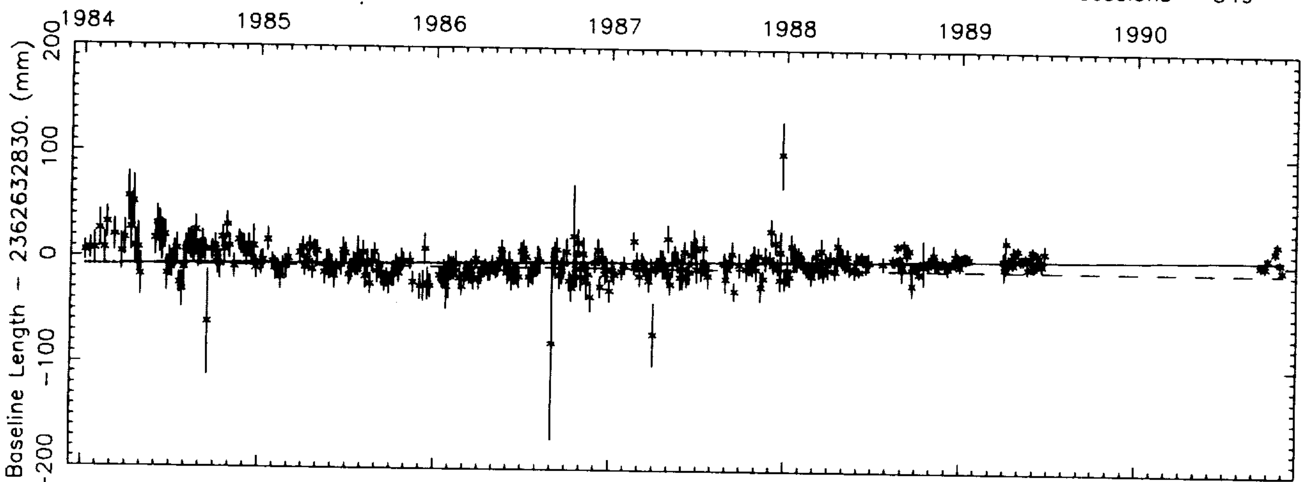
Wrms of fit = 73.4 mm

Reduced Chi square = 2.85

Vector baseline plots for HRAS 085–RICHMOND

Baseline length = 2363 kilometers

Number of sessions = 349



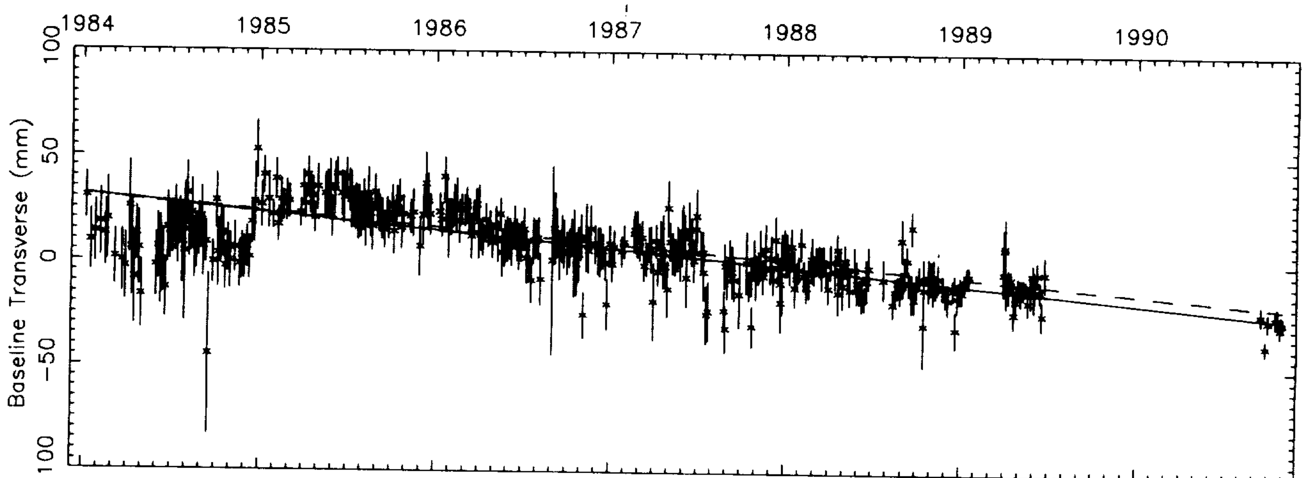
Observed Rate = 1.8 ± .3 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 9.3 mm

Weighted mean length = 2362632829.5 mm

Reduced Chi square = 1.51

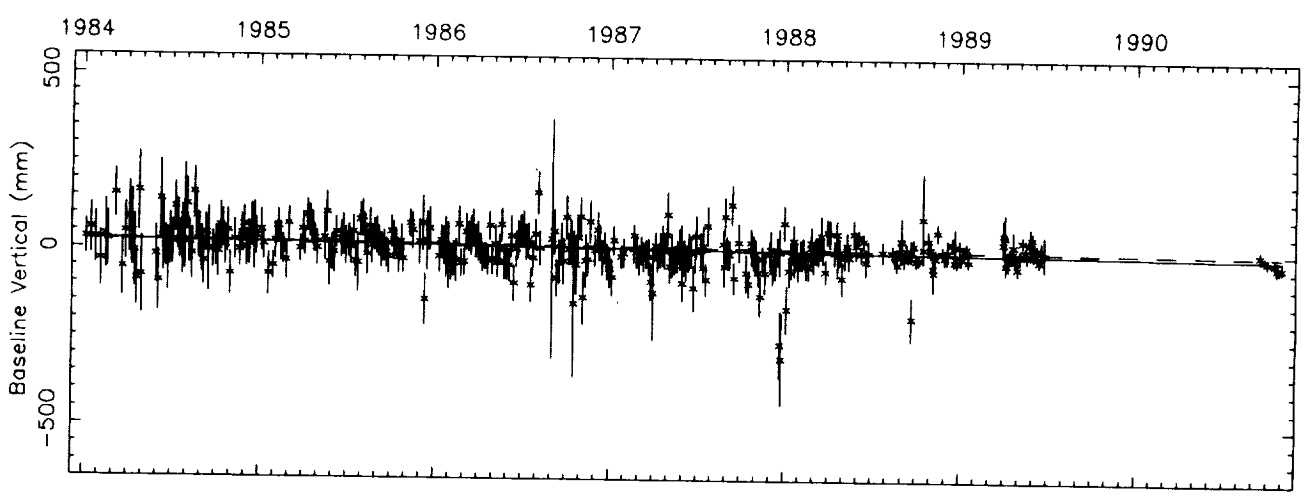


Observed Rate = −8.3 ± .3 mm/yr

NUVEL model rate = −7.6 mm/yr

Wrms of fit = 9.1 mm

Reduced Chi square = 1.19



Observed Rate = −5.8 ± 1.1 mm/yr

NUVEL model rate = −4.2 mm/yr

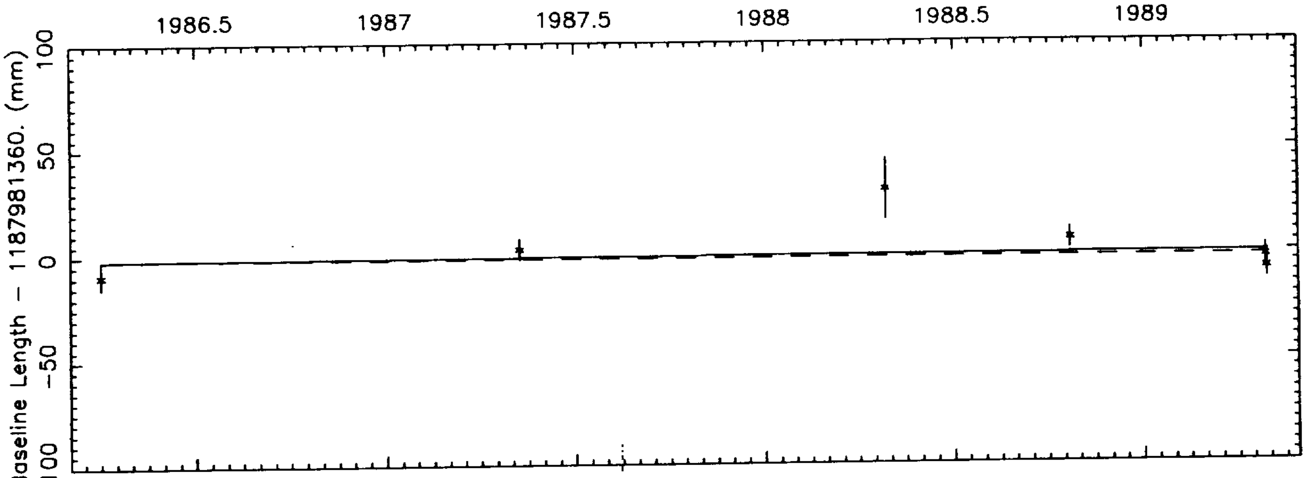
Wrms of fit = 34.5 mm

Reduced Chi square = .98

Vector baseline plots for HRAS 085–VERNAL

Baseline length = 1188 kilometers

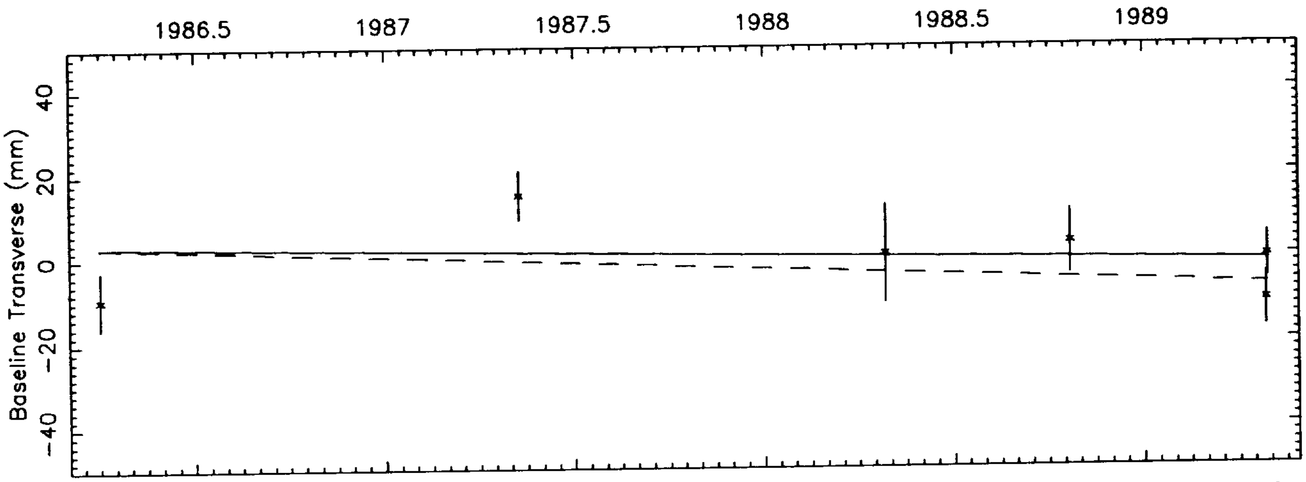
Number of sessions = 6



Observed Rate = .6 ± 3.4 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 7.8 mm
Weighted mean length = 1187981359.0 mm

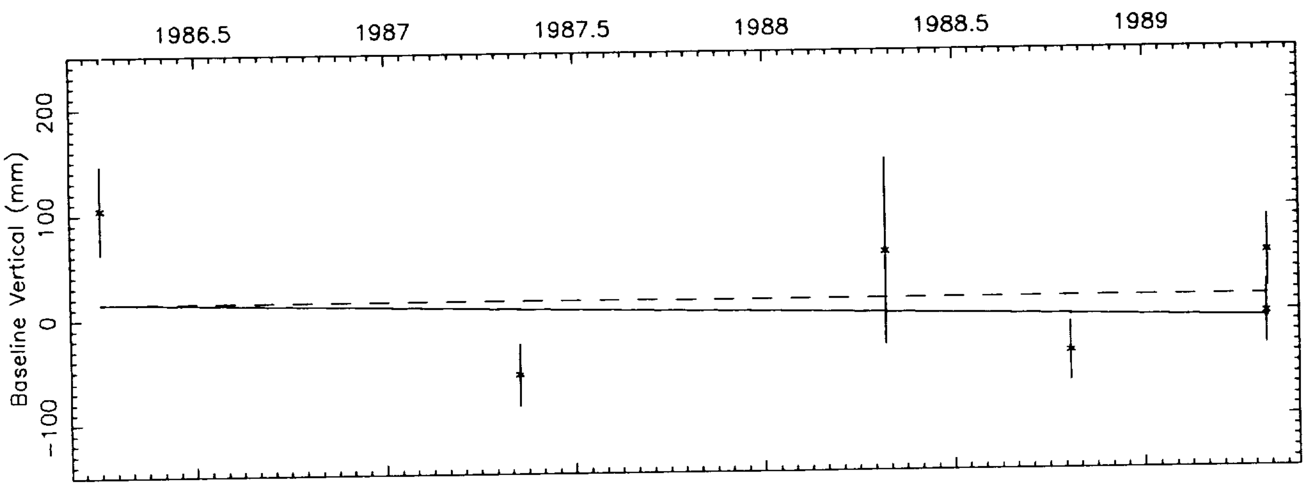
Reduced Chi square = 2.73



Observed Rate = –1.5 ± 3.9 mm/yr
NUVEL model rate = –3.3 mm/yr

Wrms of fit = 9.2 mm

Reduced Chi square = 2.80



Observed Rate = –7.1 ± 24.9 mm/yr
NUVEL model rate = –.3 mm/yr

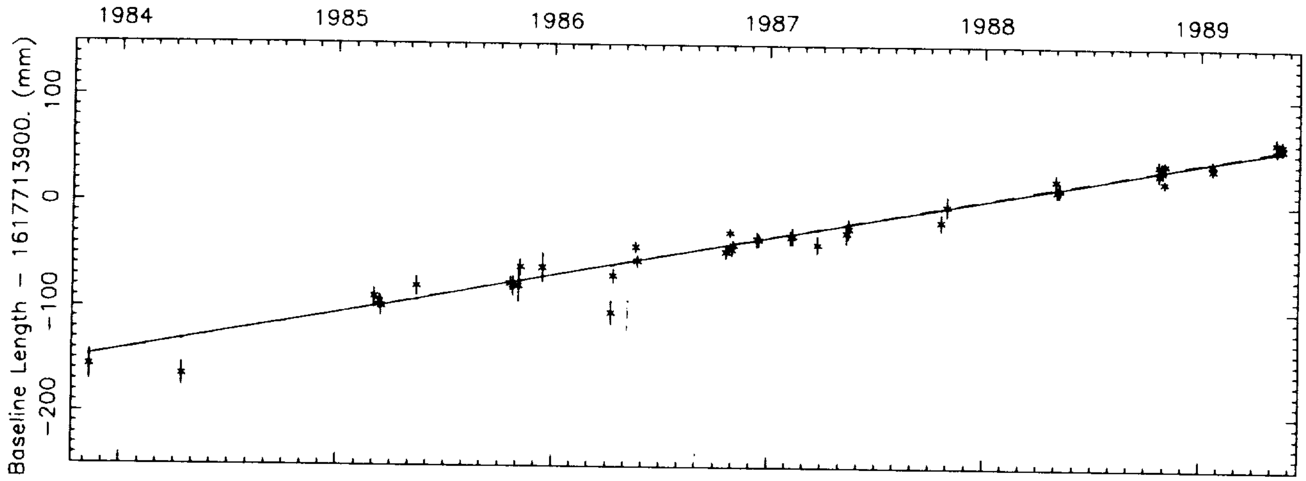
Wrms of fit = 53.3 mm

Reduced Chi square = 3.57

Vector baseline plots for HRAS 085–VNDNBERG

Baseline length = 1618 kilometers

Number of sessions = 44



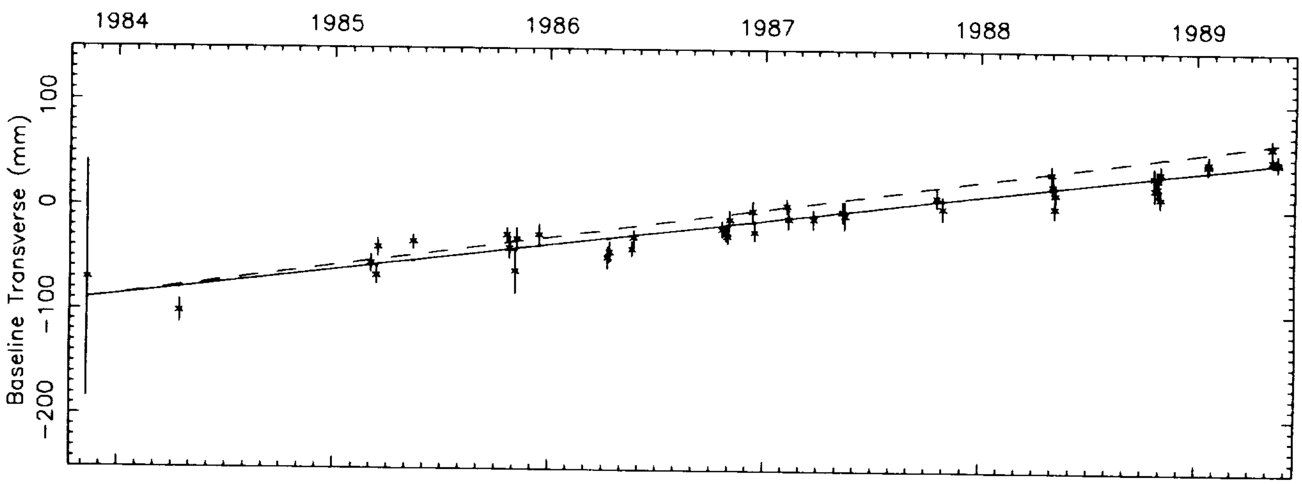
Observed Rate = 36.4 ± .9 mm/yr

NUVEL model rate = 36.6 mm/yr

Wrms of fit = 8.0 mm

Weighted mean length = 1617713897.1 mm

Reduced Chi square = 1.83

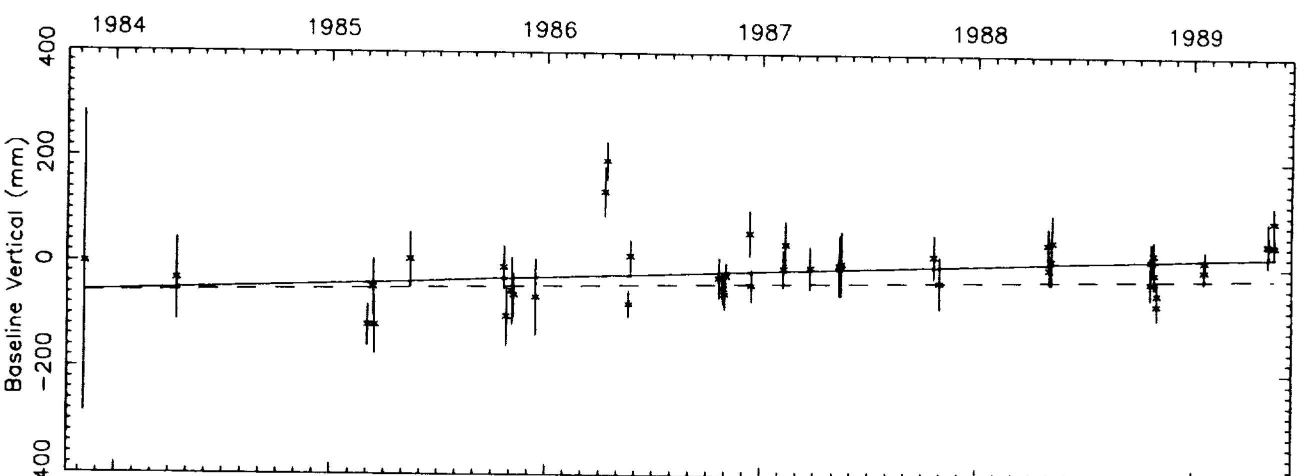


Observed Rate = 24.5 ± 1.1 mm/yr

NUVEL model rate = 27.9 mm/yr

Wrms of fit = 10.1 mm

Reduced Chi square = 1.52



Observed Rate = 14.4 ± 6.1 mm/yr

NUVEL model rate = 7.0 mm/yr

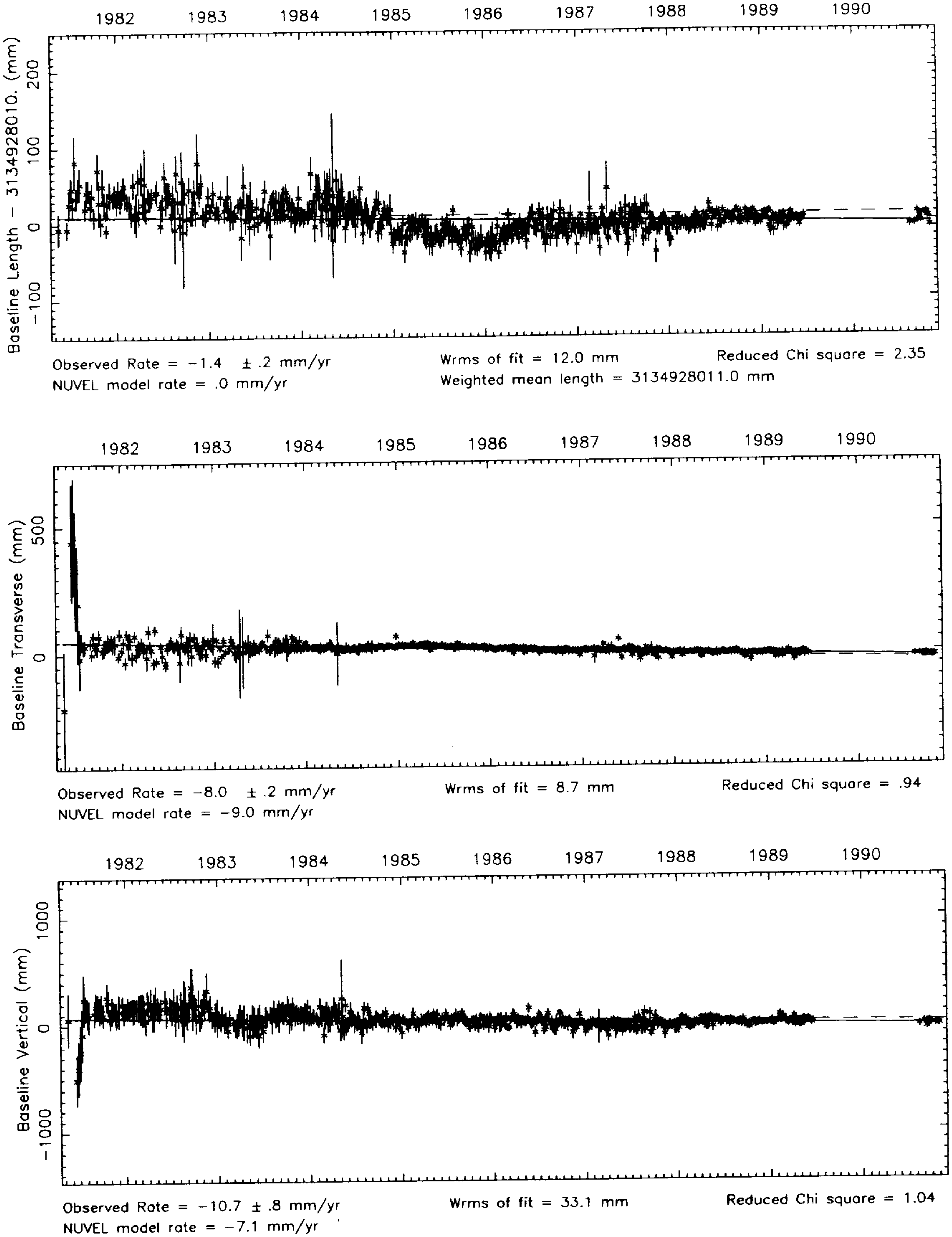
Wrms of fit = 51.5 mm

Reduced Chi square = 2.42

Vector baseline plots for HRAS 085–WESTFORD

Baseline length = 3135 kilometers

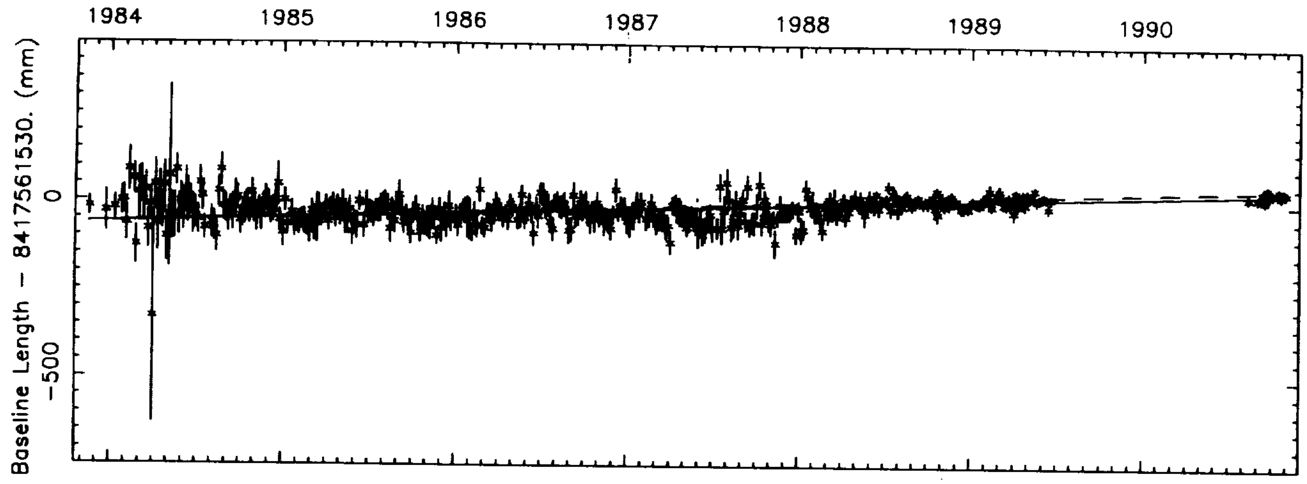
Number of sessions = 597



Vector baseline plots for HRAS 085-WETTZELL

Baseline length = 8418 kilometers

Number of sessions = 415



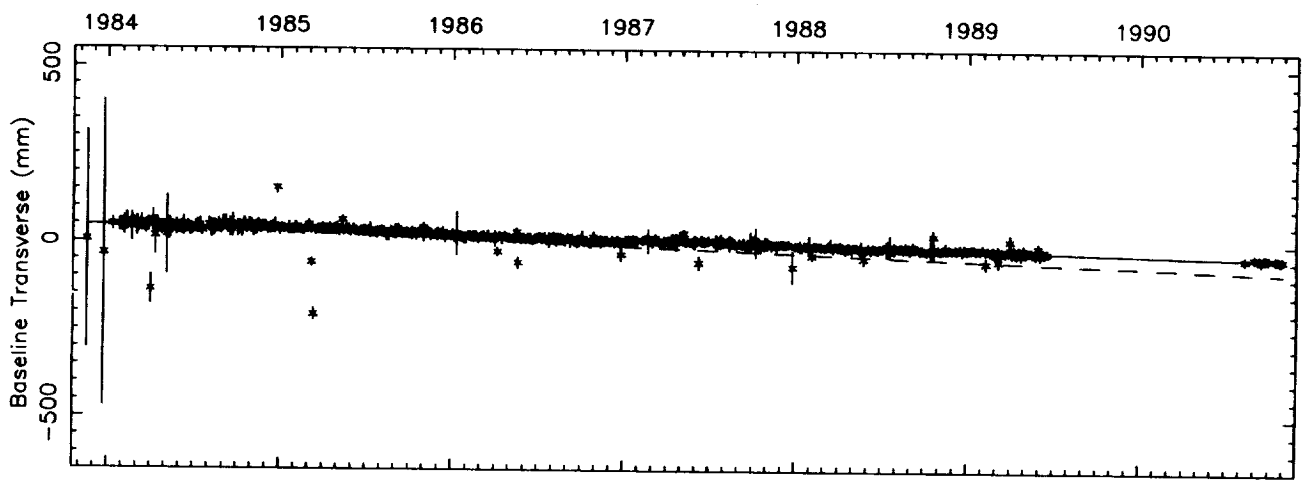
Observed Rate = 14.0 ± .7 mm/yr

NUVEL model rate = 15.7 mm/yr

Wrms of fit = 22.9 mm

Weighted mean length = 8417561529.8 mm

Reduced Chi square = 1.29

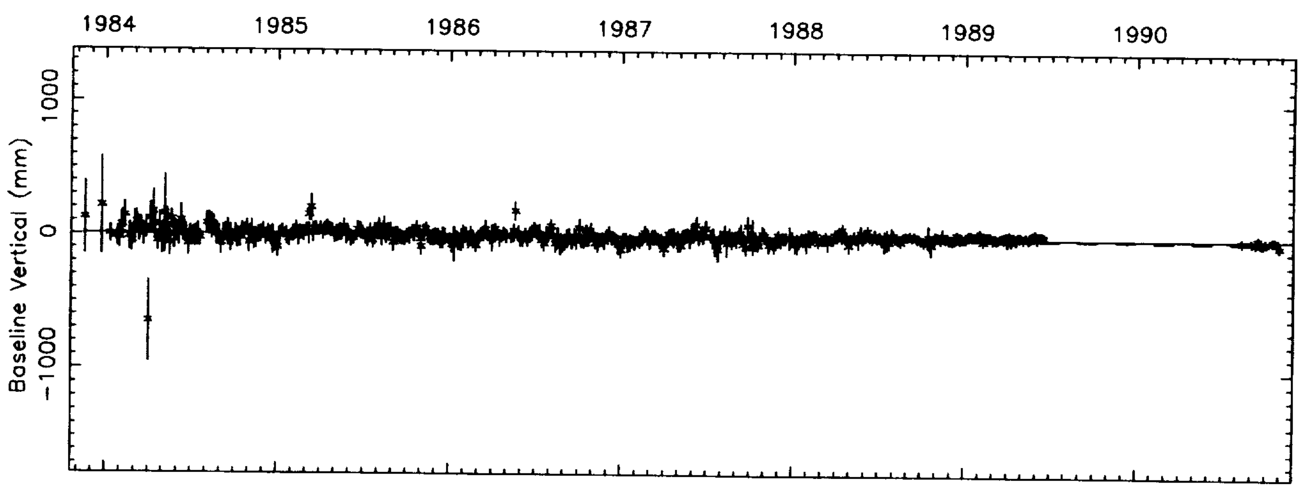


Observed Rate = -12.8 ± .4 mm/yr

NUVEL model rate = -18.6 mm/yr

Wrms of fit = 13.0 mm

Reduced Chi square = 1.19



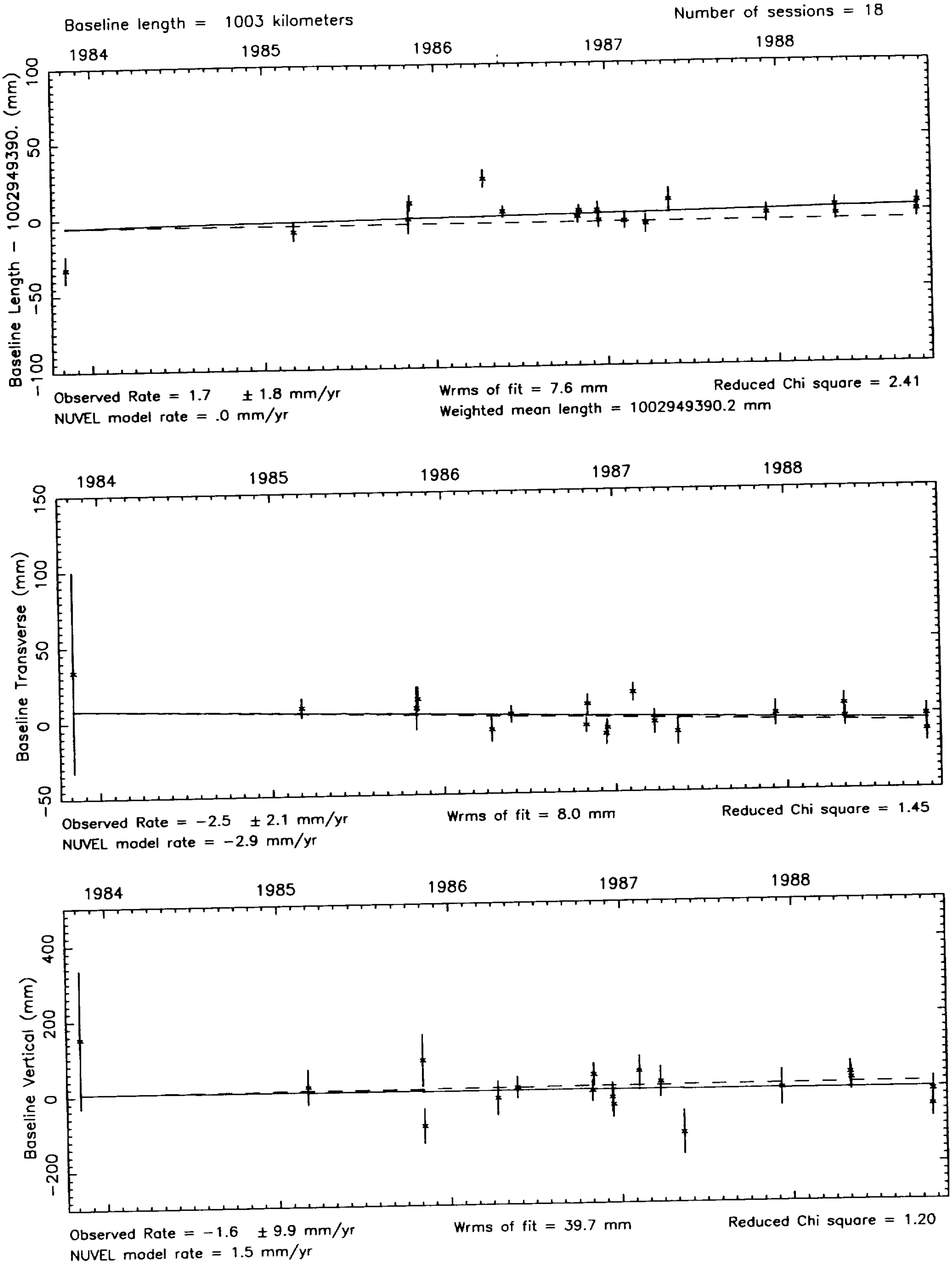
Observed Rate = -1.9 ± .8 mm/yr

NUVEL model rate = -3.8 mm/yr

Wrms of fit = 28.3 mm

Reduced Chi square = .44

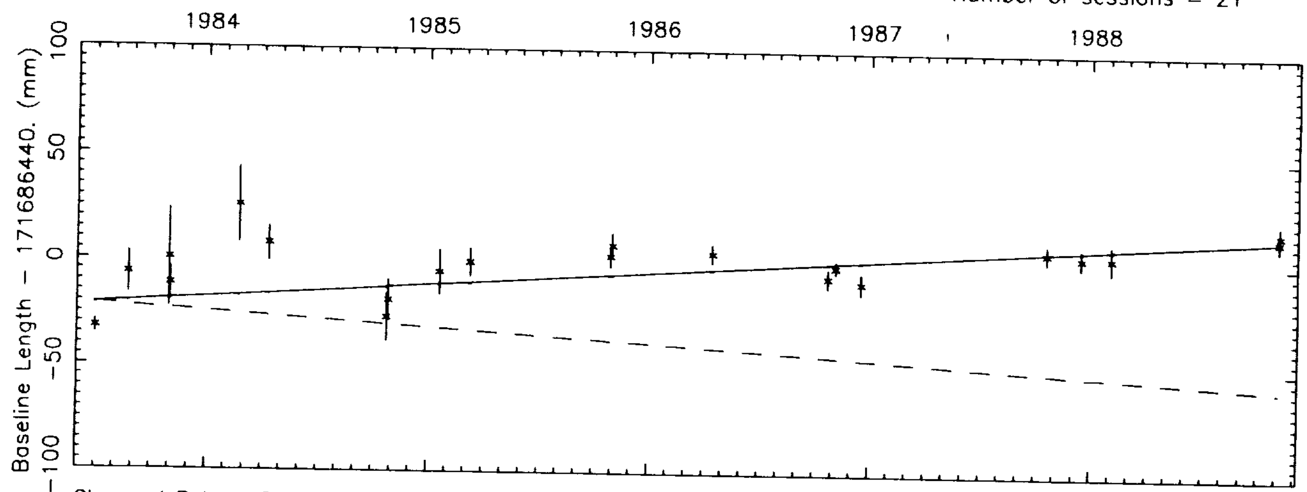
Vector baseline plots for HRAS 085–YUMA



Vector baseline plots for JPL MV1 -MOJAVE12

Baseline length = 172 kilometers

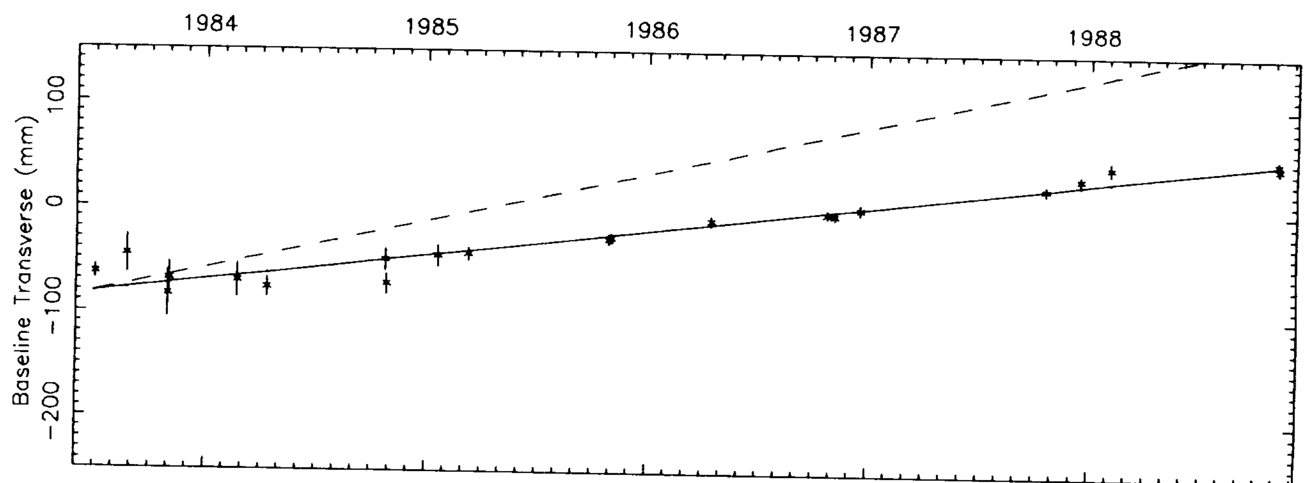
Number of sessions = 21



Observed Rate = 6.4 ± 1.2 mm/yr
NUVEL model rate = -6.9 mm/yr

Wrms of fit = 8.7 mm
Weighted mean length = 171686437.2 mm

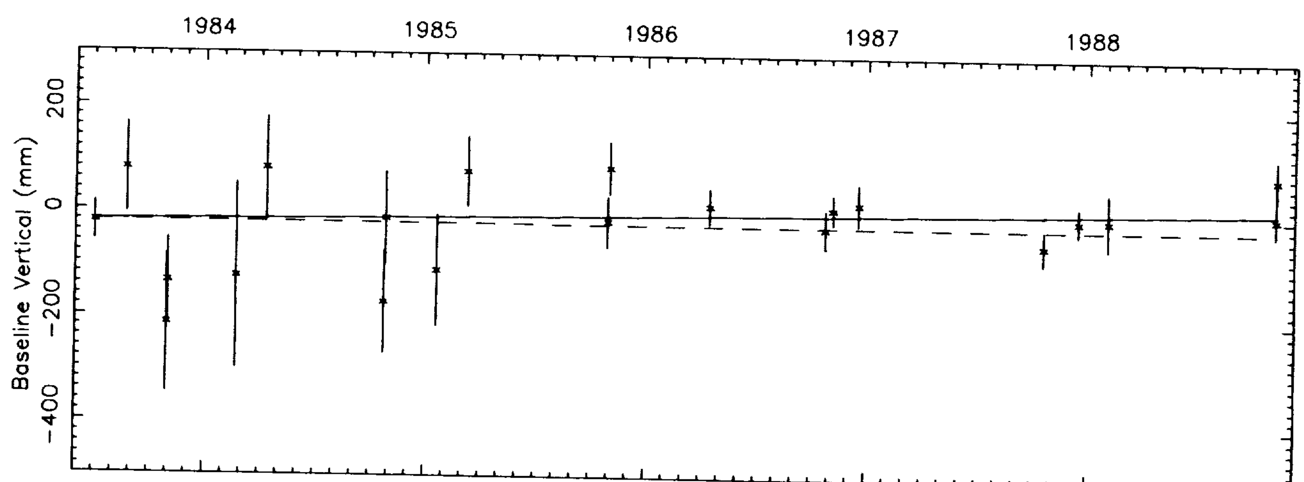
Reduced Chi square = 2.87



Observed Rate = 24.6 ± 1.1 mm/yr
NUVEL model rate = 46.4 mm/yr

Wrms of fit = 6.7 mm

Reduced Chi square = 1.52



Observed Rate = 6.3 ± 7.1 mm/yr
NUVEL model rate = -.4 mm/yr

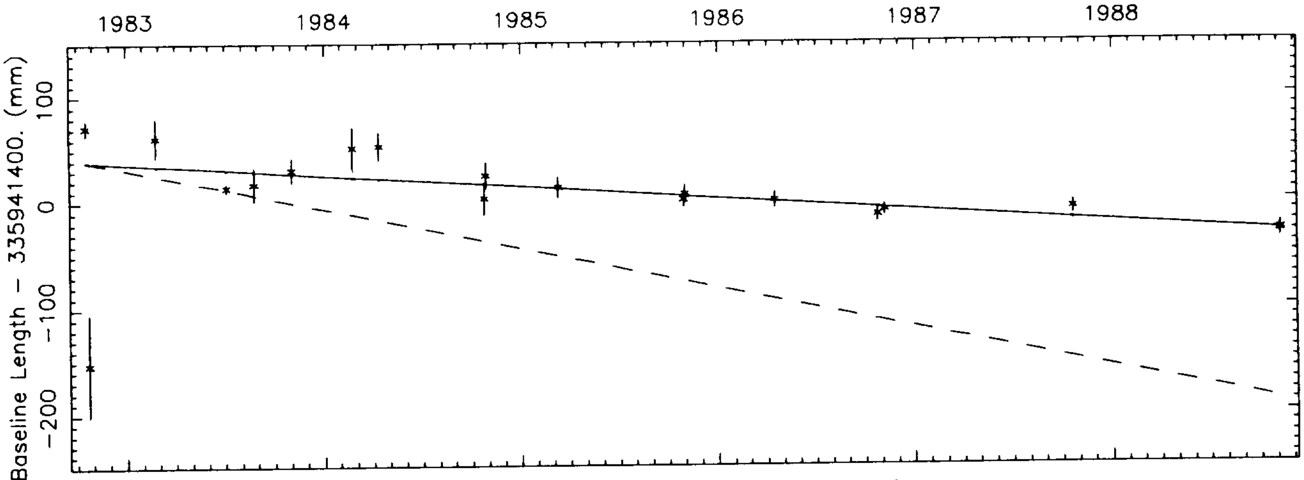
Wrms of fit = 47.6 mm

Reduced Chi square = 1.24

Vector baseline plots for JPL MV1 –OVRO 130

Baseline length = 336 kilometers

Number of sessions = 19



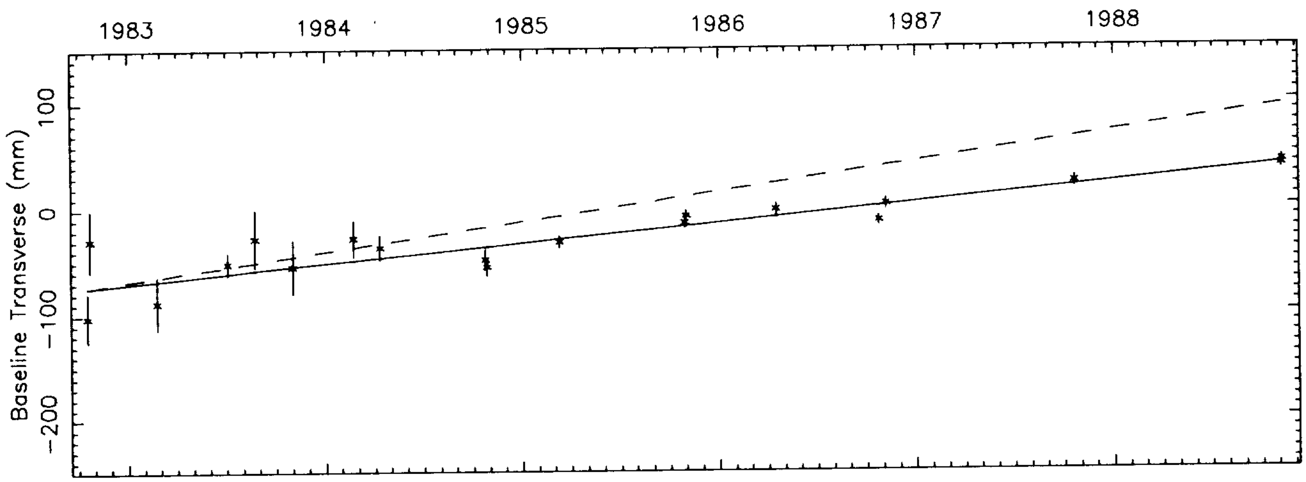
Observed Rate = –11.4 ± 1.8 mm/yr

NUVEL model rate = –37.8 mm/yr

Wrms of fit = 15.0 mm

Weighted mean length = 335941403.3 mm

Reduced Chi square = 4.00

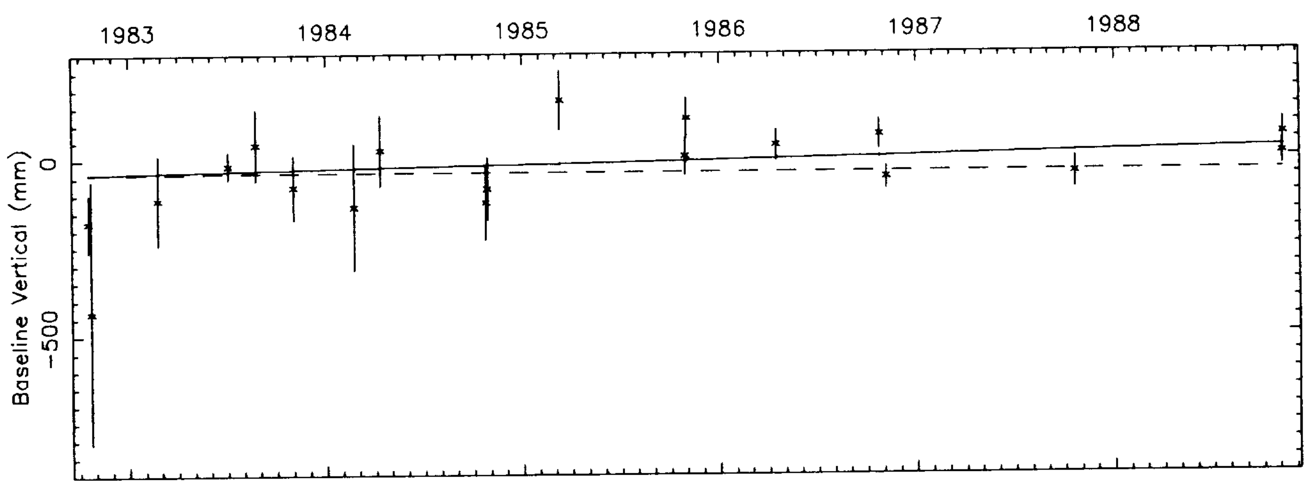


Observed Rate = 18.5 ± 1.4 mm/yr

NUVEL model rate = 27.7 mm/yr

Wrms of fit = 8.6 mm

Reduced Chi square = 1.87



Observed Rate = 10.8 ± 8.6 mm/yr

NUVEL model rate = .4 mm/yr

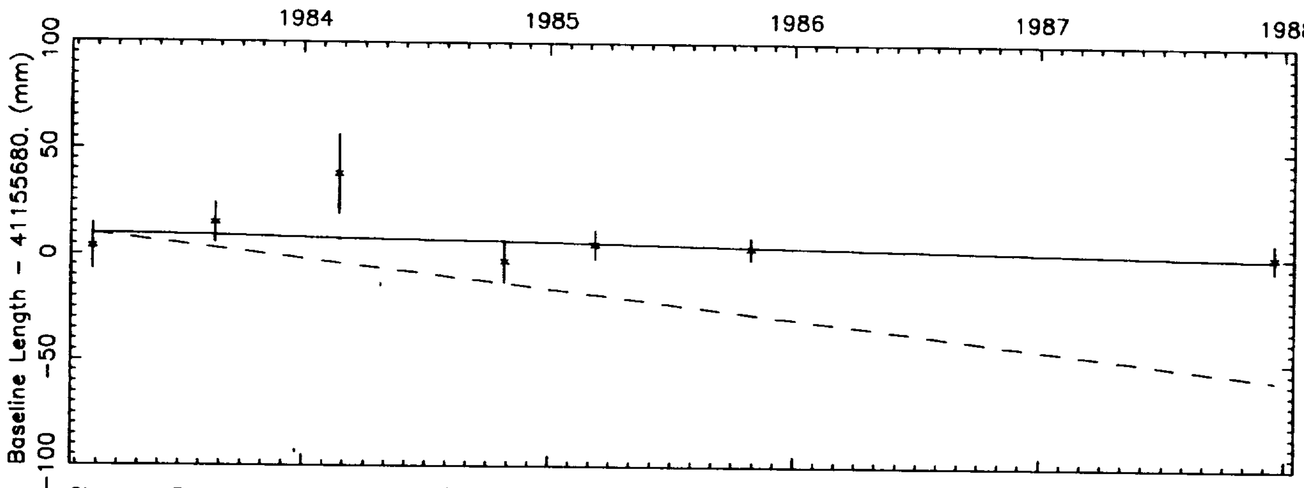
Wrms of fit = 65.0 mm

Reduced Chi square = 1.50

Vector baseline plots for JPL MV1 –PBLOSSOM

Baseline length = 41 kilometers

Number of sessions = 7



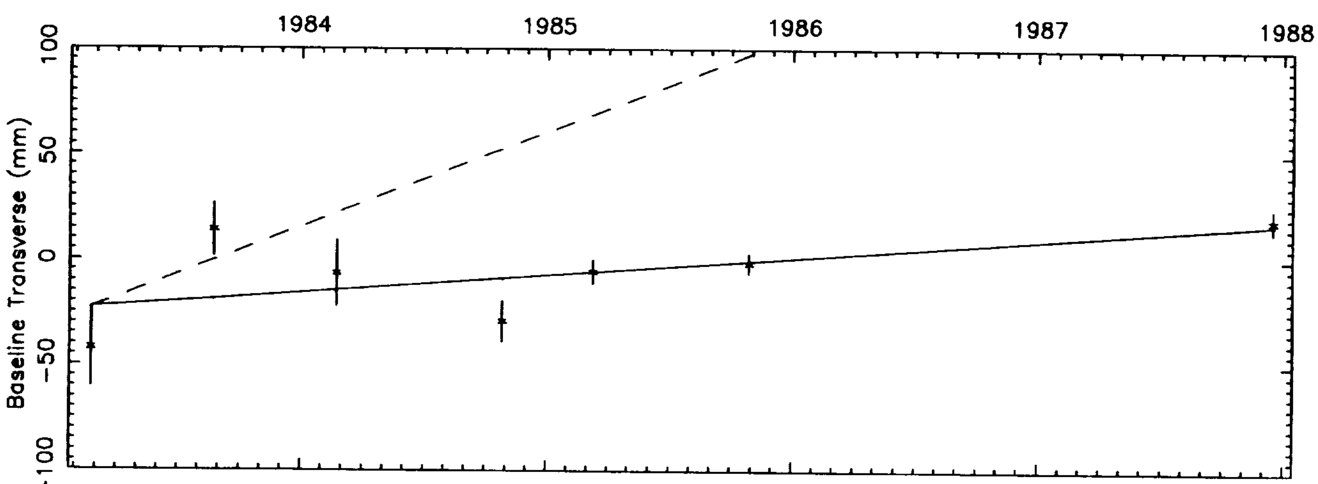
Observed Rate = –2.1 ± 1.9 mm/yr

NUVEL model rate = –14.0 mm/yr

Wrms of fit = 6.2 mm

Weighted mean length = 41155684.7 mm

Reduced Chi square = .85

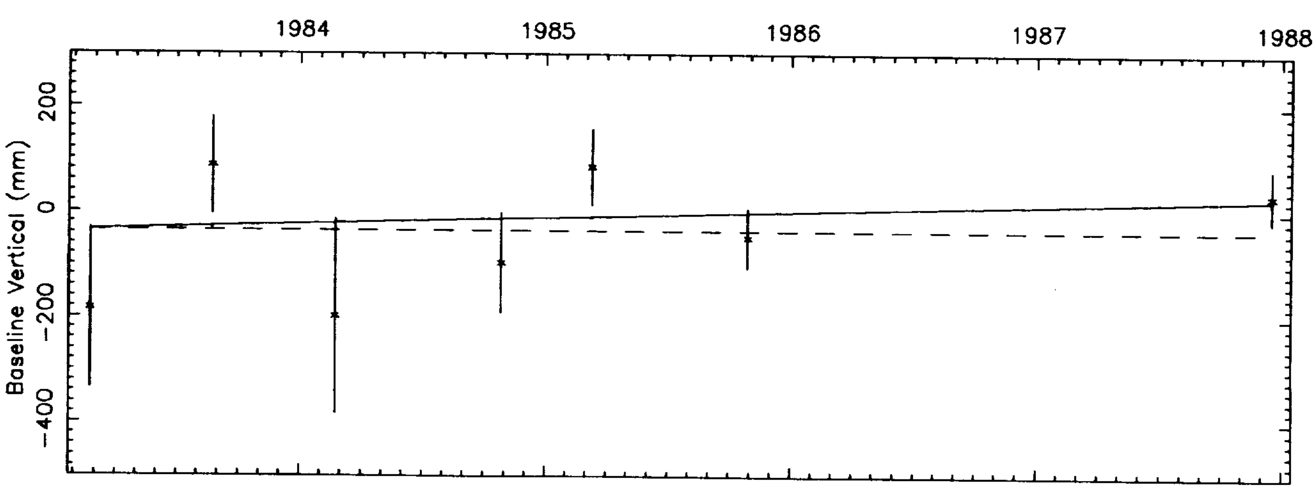


Observed Rate = 8.3 ± 3.3 mm/yr

NUVEL model rate = 45.1 mm/yr

Wrms of fit = 9.9 mm

Reduced Chi square = 2.53



Observed Rate = 12.5 ± 21.3 mm/yr

NUVEL model rate = –.2 mm/yr

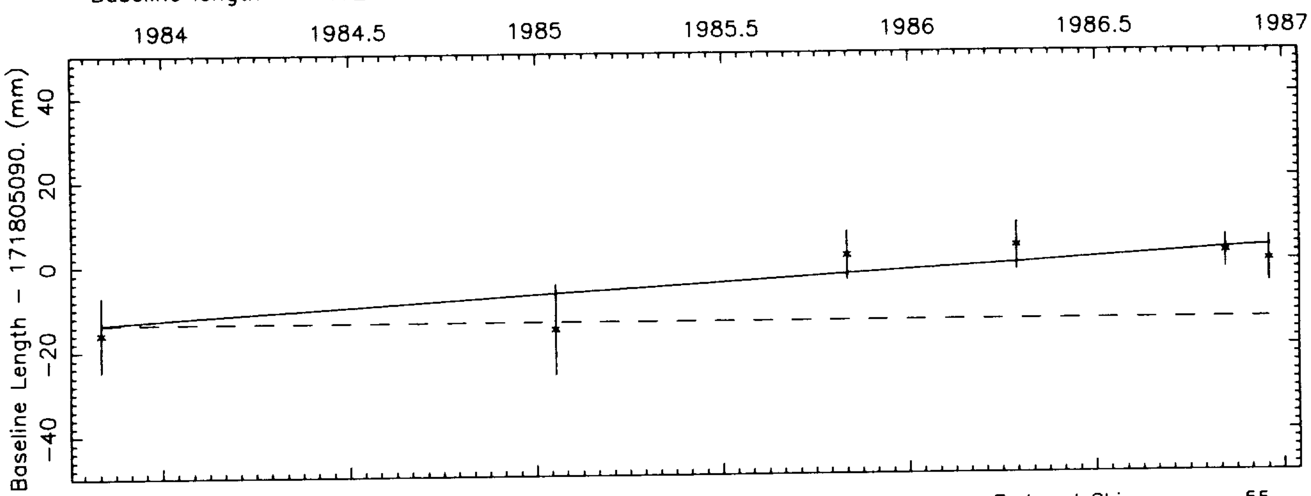
Wrms of fit = 74.4 mm

Reduced Chi square = 1.32

Vector baseline plots for JPL MV1 —PINFLATS

Baseline length = 172 kilometers

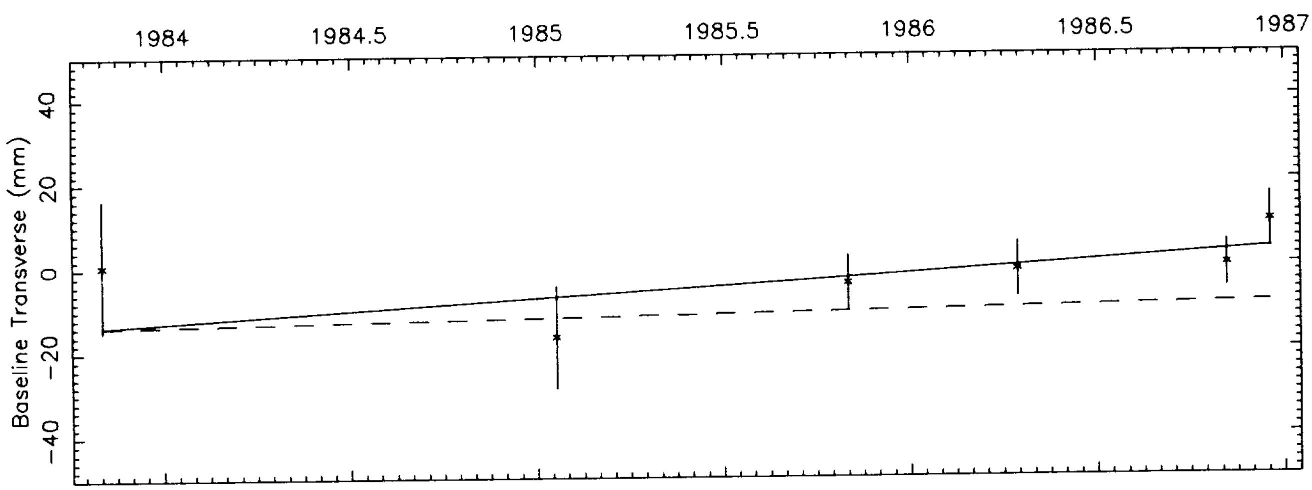
Number of sessions = 6



Observed Rate = 5.4 ± 2.0 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 3.4 mm
Weighted mean length = 171805089.7 mm

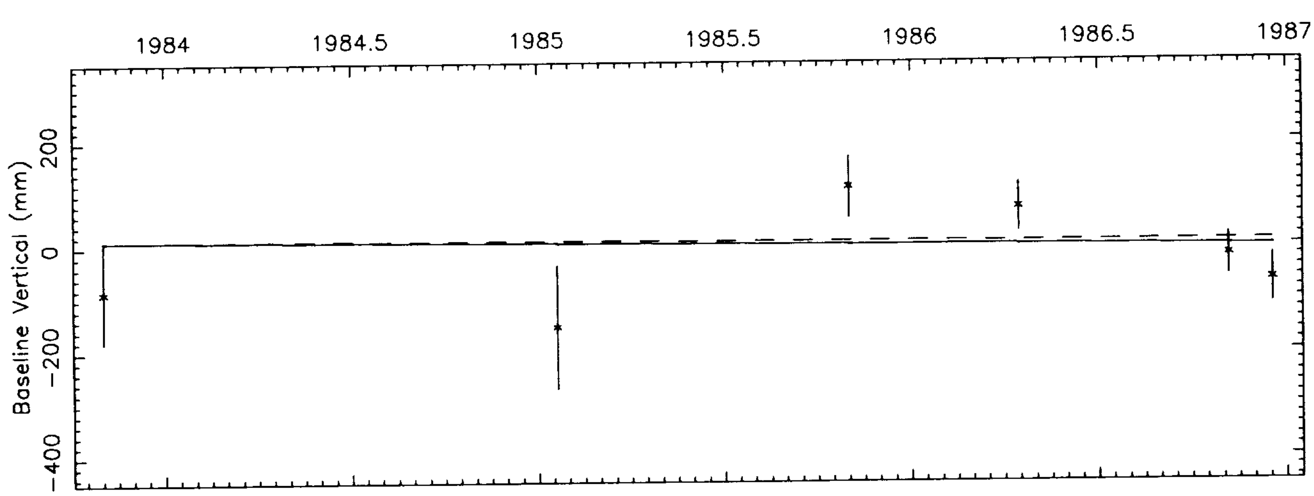
Reduced Chi square = .55



Observed Rate = 5.5 ± 3.4 mm/yr
NUVEL model rate = 1.5 mm/yr

Wrms of fit = 5.0 mm

Reduced Chi square = .71



Observed Rate = −4.7 ± 46.7 mm/yr
NUVEL model rate = −1.3 mm/yr

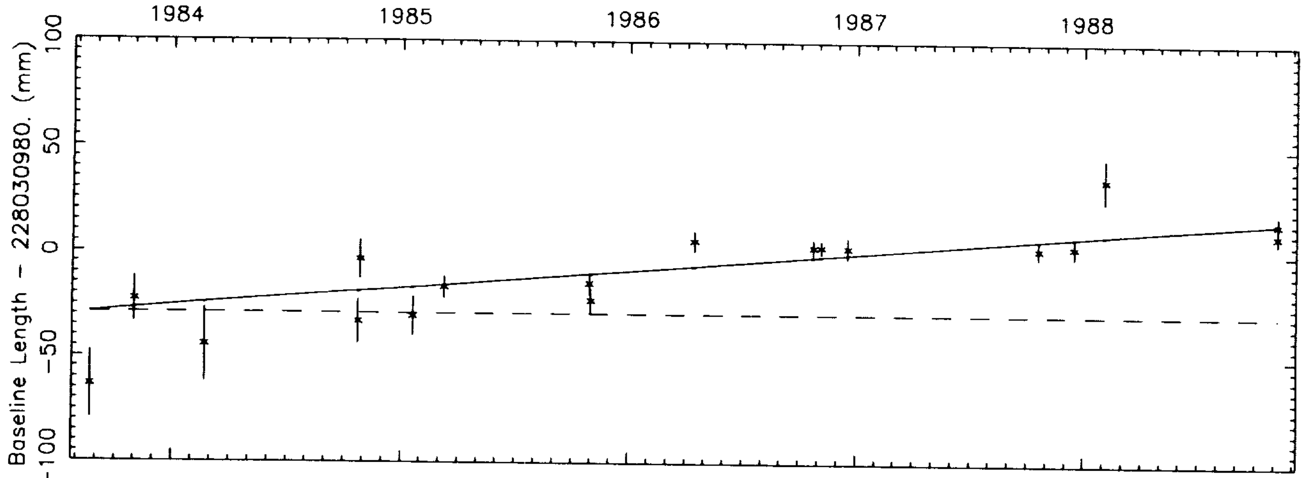
Wrms of fit = 73.6 mm

Reduced Chi square = 2.74

Vector baseline plots for JPL MV1 -VNDNBERG

Baseline length = 228 kilometers

Number of sessions = 18



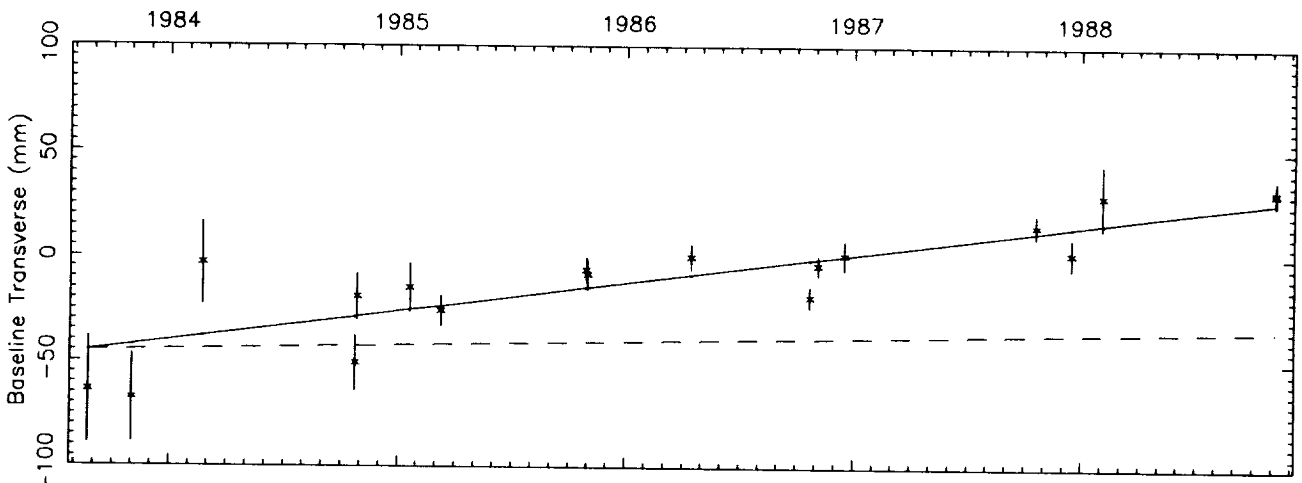
Observed Rate = 8.5 ± 1.5 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 7.8 mm

Weighted mean length = 228030979.8 mm

Reduced Chi square = 2.47

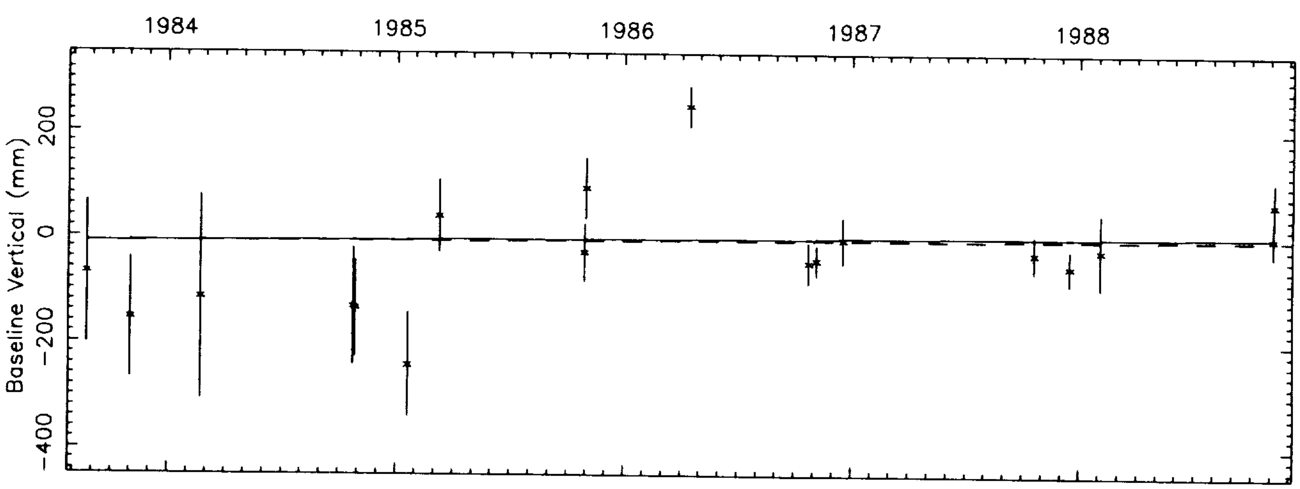


Observed Rate = 13.8 ± 1.9 mm/yr

NUVEL model rate = 2.0 mm/yr

Wrms of fit = 9.6 mm

Reduced Chi square = 2.03



Observed Rate = 2.8 ± 19.2 mm/yr

NUVEL model rate = 1.6 mm/yr

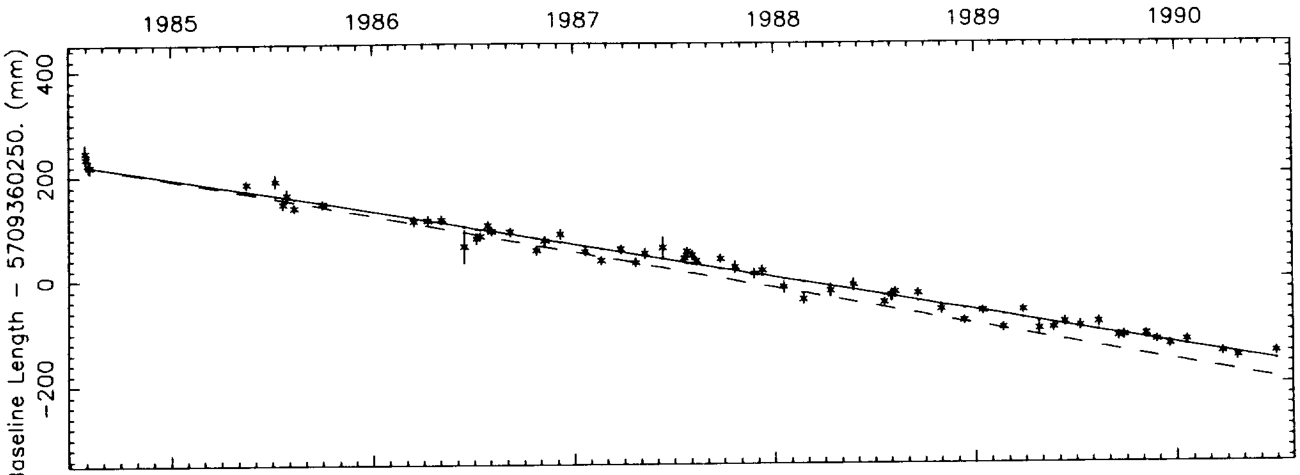
Wrms of fit = 92.0 mm

Reduced Chi square = 4.13

Vector baseline plots for KASHIMA –KAUAI

Baseline length = 5709 kilometers

Number of sessions = 64



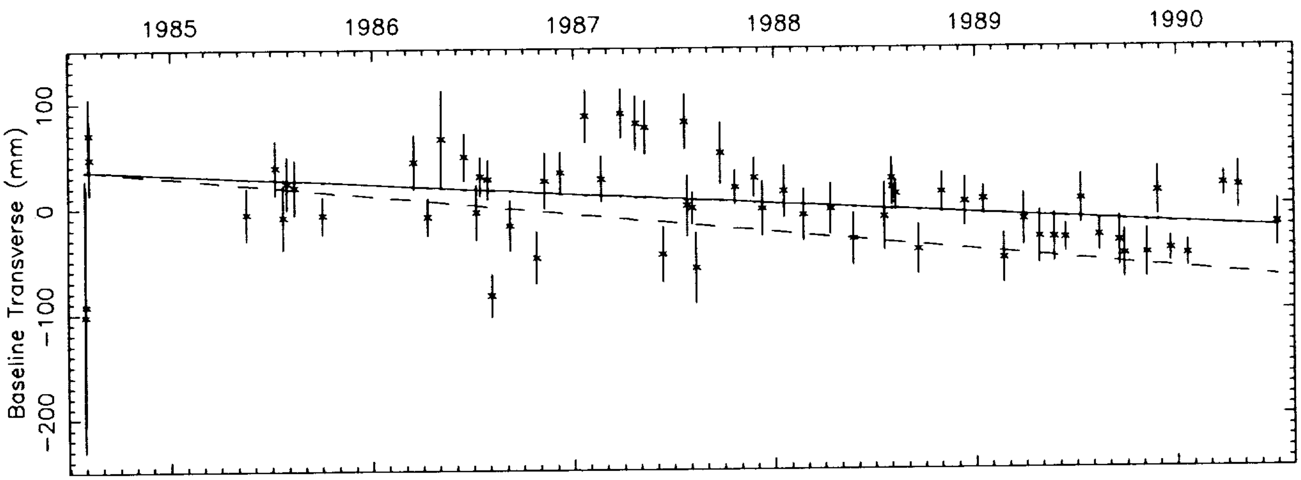
Observed Rate = –63.7 ± 1.0 mm/yr

NUVEL model rate = –69.6 mm/yr

Wrms of fit = 12.4 mm

Weighted mean length = 5709360250.0 mm

Reduced Chi square = 2.25

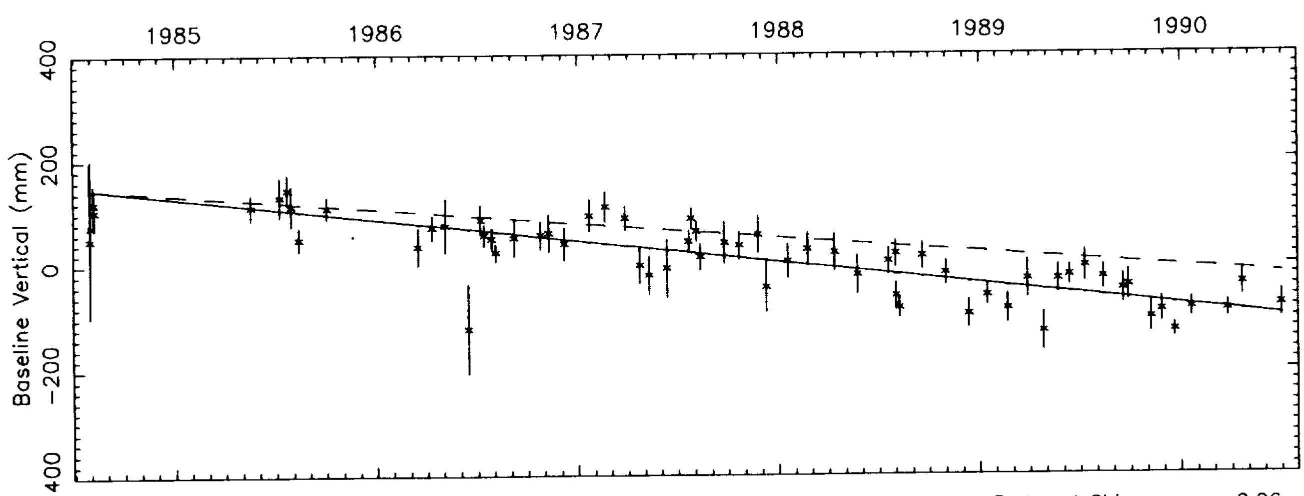


Observed Rate = –9.8 ± 2.8 mm/yr

NUVEL model rate = –17.7 mm/yr

Wrms of fit = 32.9 mm

Reduced Chi square = 2.51



Observed Rate = –41.2 ± 3.0 mm/yr

NUVEL model rate = –27.7 mm/yr

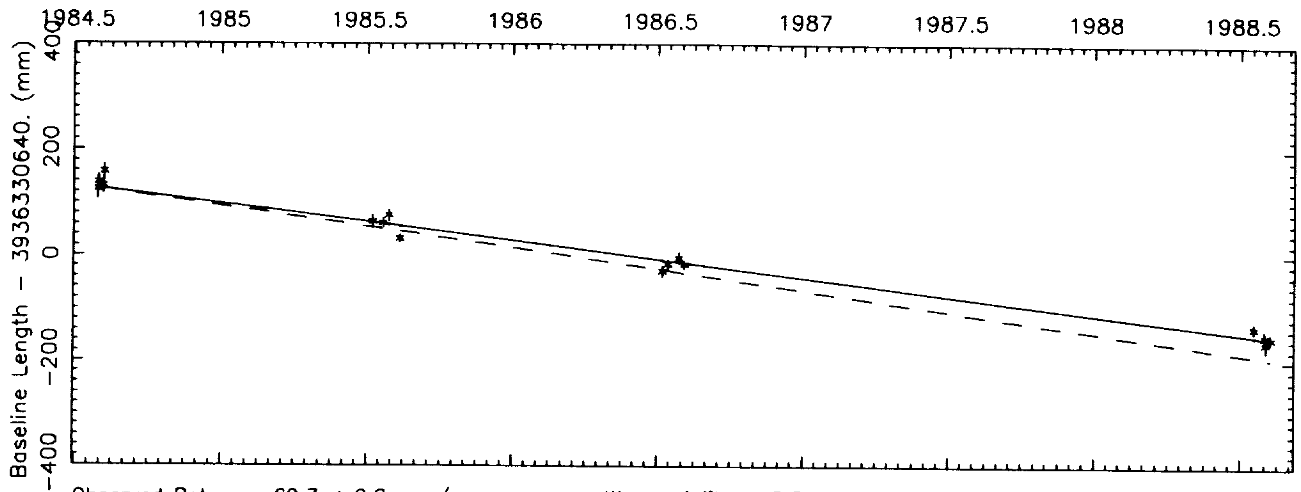
Wrms of fit = 36.6 mm

Reduced Chi square = 2.06

Vector baseline plots for KASHIMA –KWAJAL26

Baseline length = 3936 kilometers

Number of sessions = 16



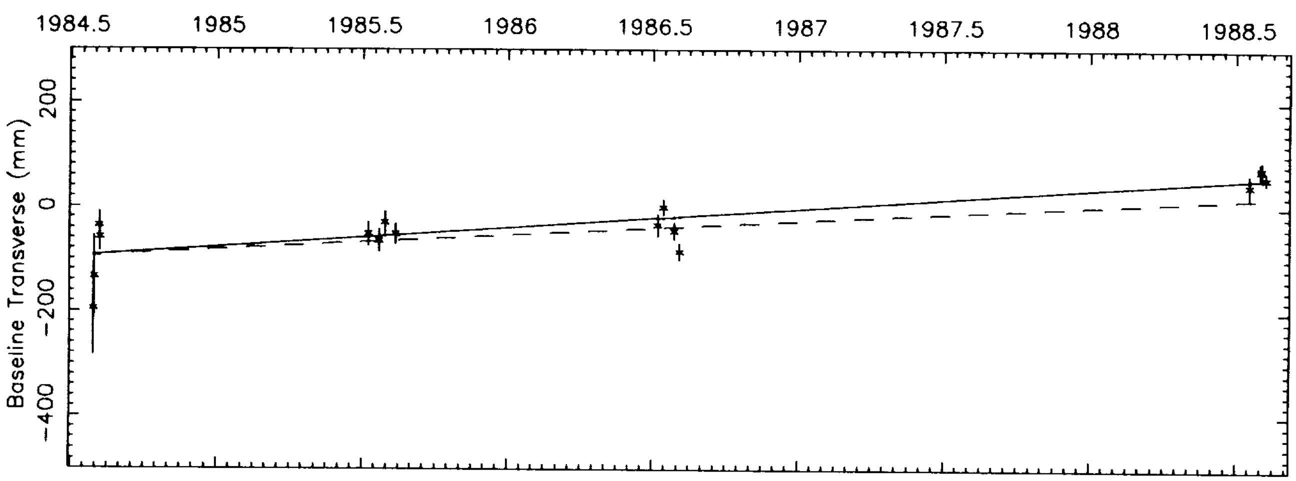
Observed Rate = –69.7 ± 2.8 mm/yr

NUVEL model rate = –79.5 mm/yr

Wrms of fit = 13.3 mm

Weighted mean length = 3936330635.1 mm

Reduced Chi square = 1.79

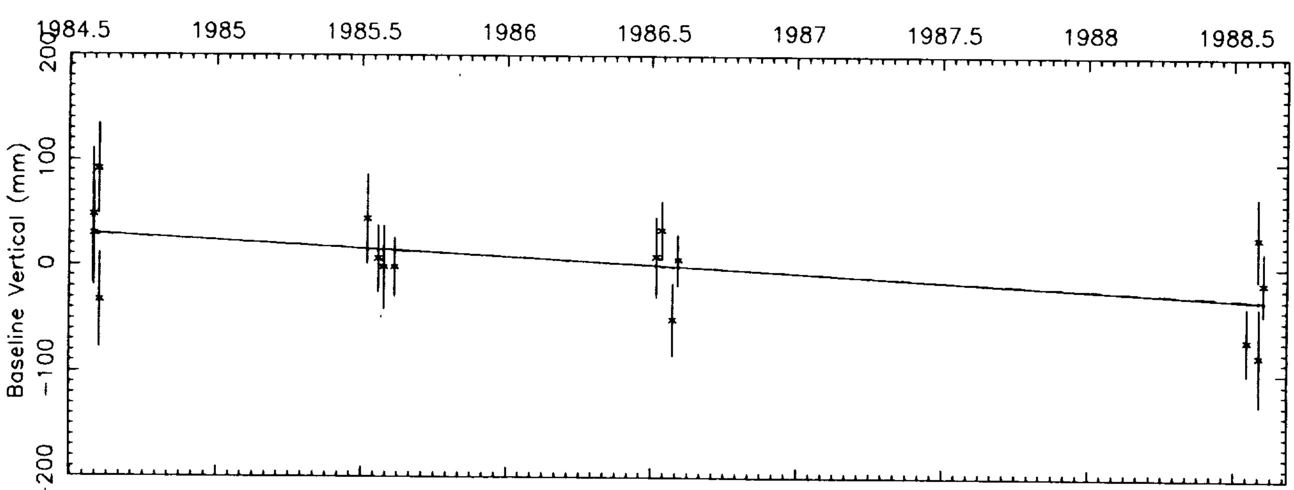


Observed Rate = 37.4 ± 5.4 mm/yr

NUVEL model rate = 27.7 mm/yr

Wrms of fit = 28.1 mm

Reduced Chi square = 2.61



Observed Rate = –14.9 ± 6.6 mm/yr

NUVEL model rate = –14.8 mm/yr

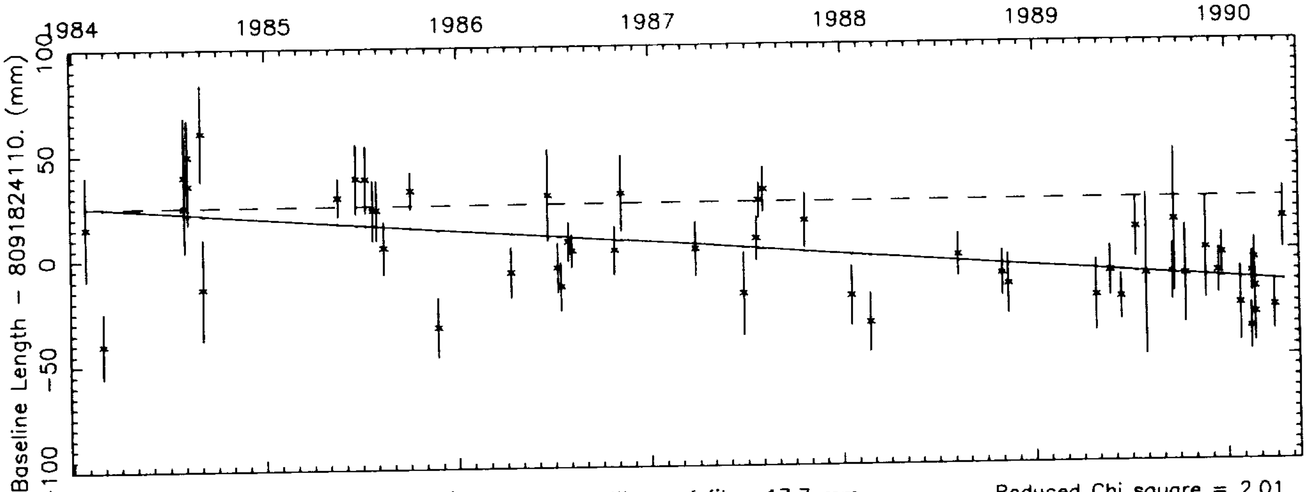
Wrms of fit = 33.0 mm

Reduced Chi square = 1.01

Vector baseline plots for KASHIMA –MOJAVE12

Baseline length = 8092 kilometers

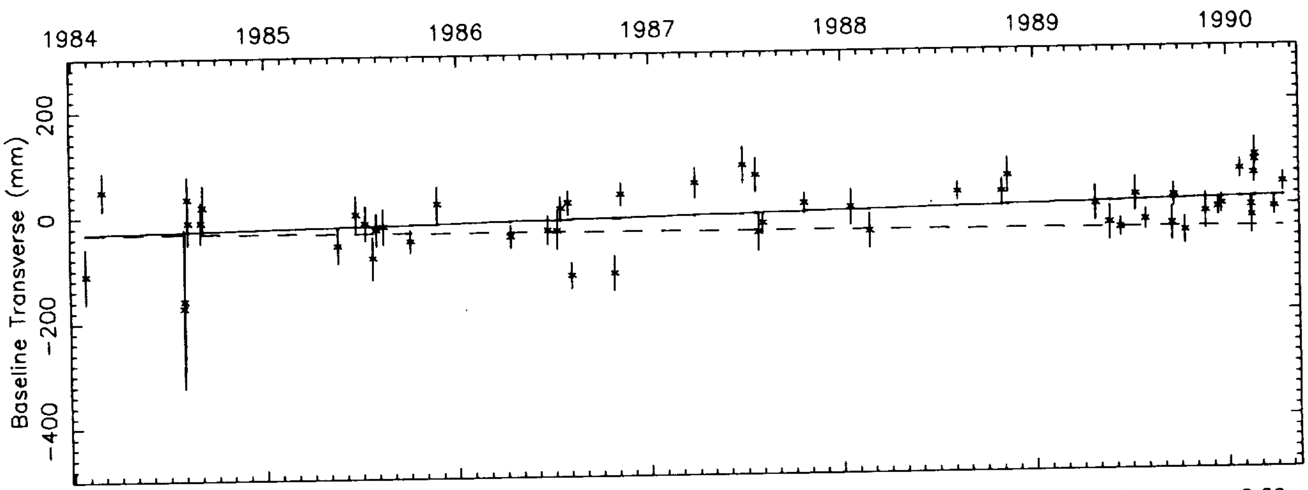
Number of sessions = 54



Observed Rate = –6.5 ± 1.3 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 17.7 mm
Weighted mean length = 8091824110.9 mm

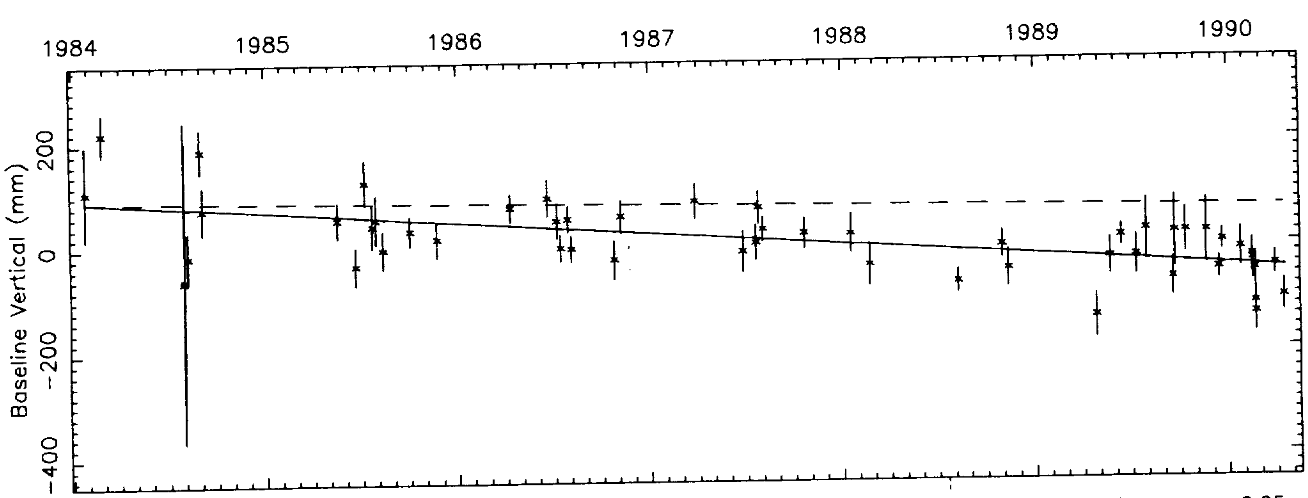
Reduced Chi square = 2.01



Observed Rate = 7.4 ± 3.2 mm/yr
NUVEL model rate = –1.8 mm/yr

Wrms of fit = 41.0 mm

Reduced Chi square = 2.60



Observed Rate = –22.7 ± 3.5 mm/yr
NUVEL model rate = –3.8 mm/yr

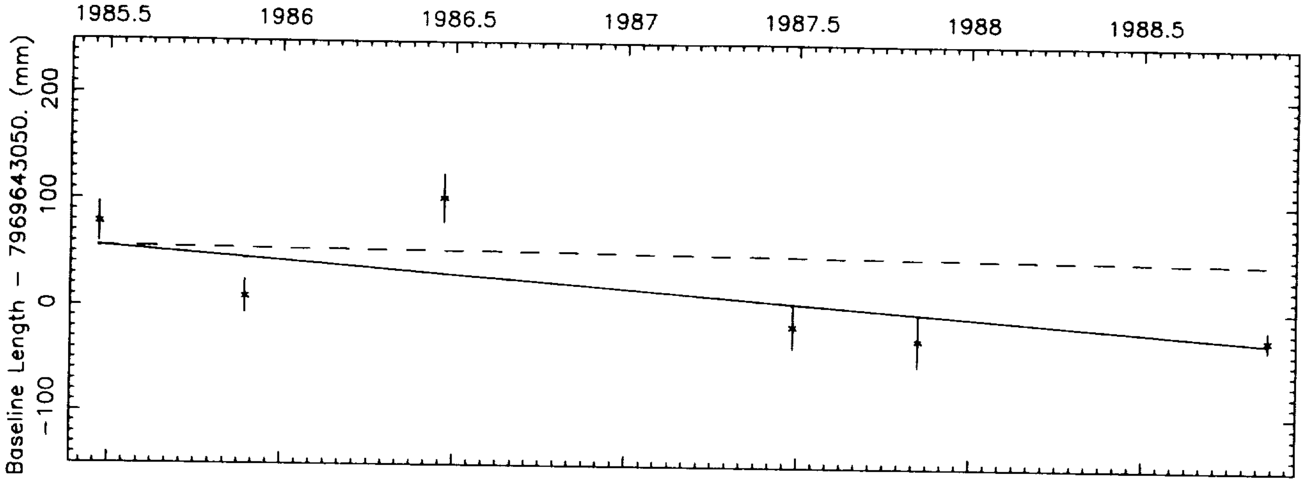
Wrms of fit = 45.6 mm

Reduced Chi square = 2.05

Vector baseline plots for KASHIMA -ONSALA60

Baseline length = 7970 kilometers

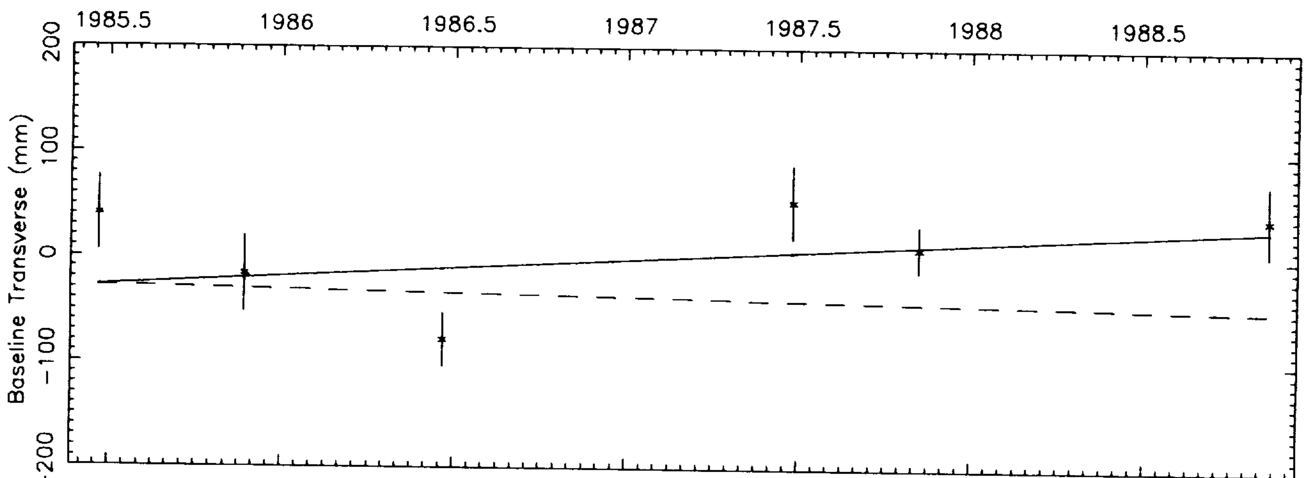
Number of sessions = 6



Observed Rate = -25.1 ± 10.4 mm/yr
NUVEL model rate = -3.1 mm/yr

Wrms of fit = 28.6 mm
Weighted mean length = 7969643054.6 mm

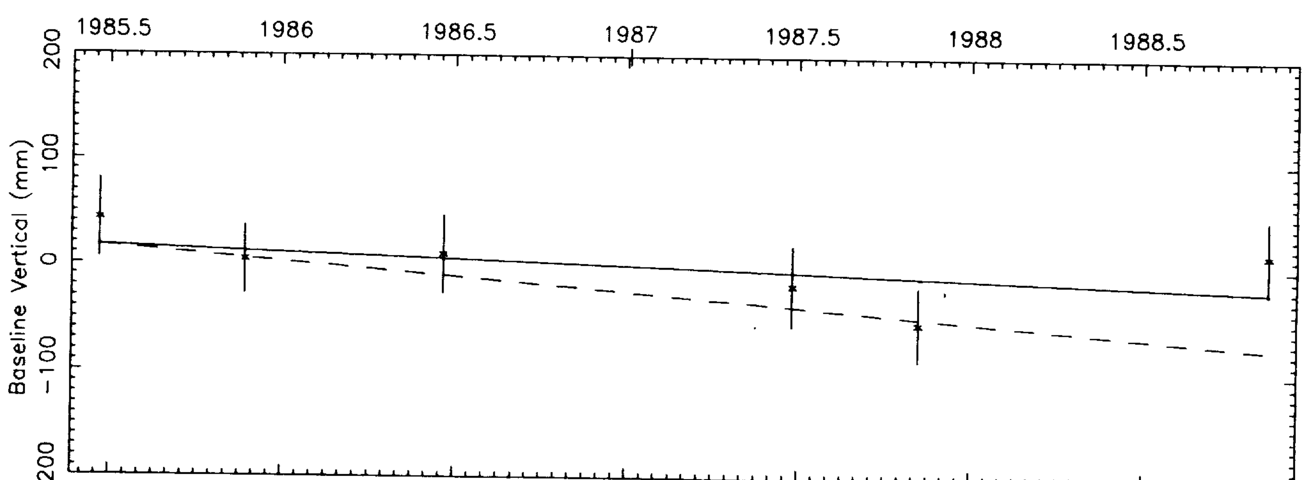
Reduced Chi square = 4.62



Observed Rate = 16.7 ± 20.1 mm/yr
NUVEL model rate = -6.0 mm/yr

Wrms of fit = 43.1 mm

Reduced Chi square = 3.15



Observed Rate = -11.0 ± 10.9 mm/yr
NUVEL model rate = -26.9 mm/yr

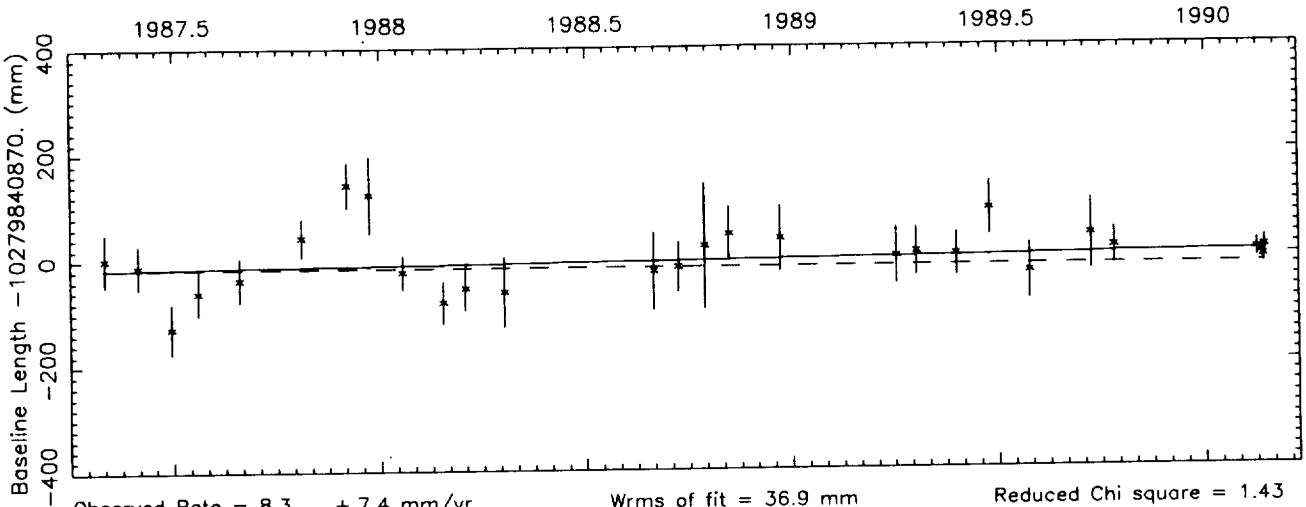
Wrms of fit = 26.1 mm

Reduced Chi square = .81

Vector baseline plots for KASHIMA -RICHMOND

Baseline length = 10280 kilometers

Number of sessions = 28



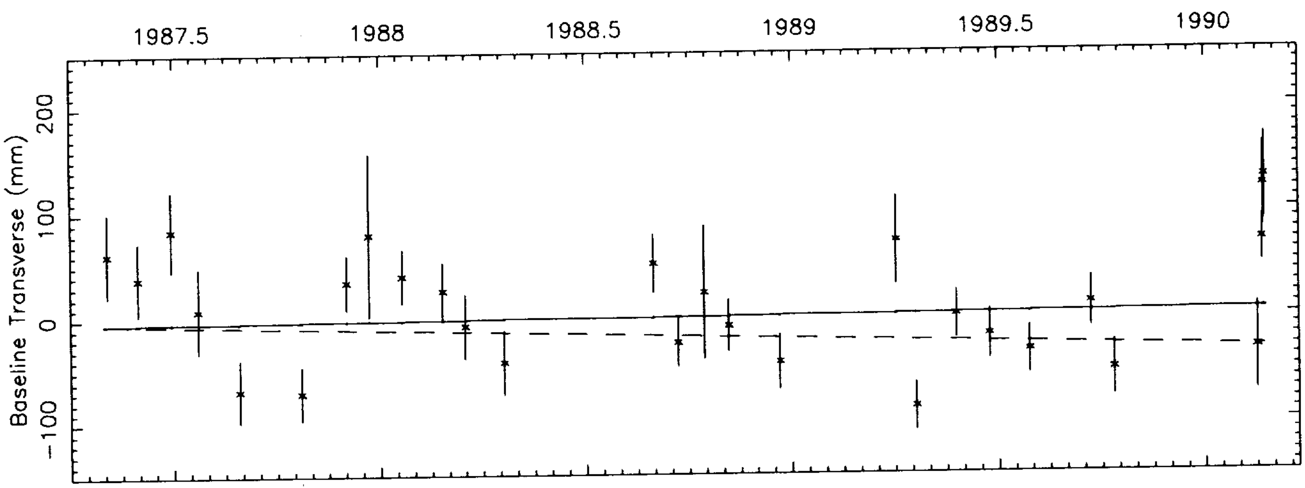
Observed Rate = 8.3 ± 7.4 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 36.9 mm

Weighted mean length = 10279840870.1 mm

Reduced Chi square = 1.43

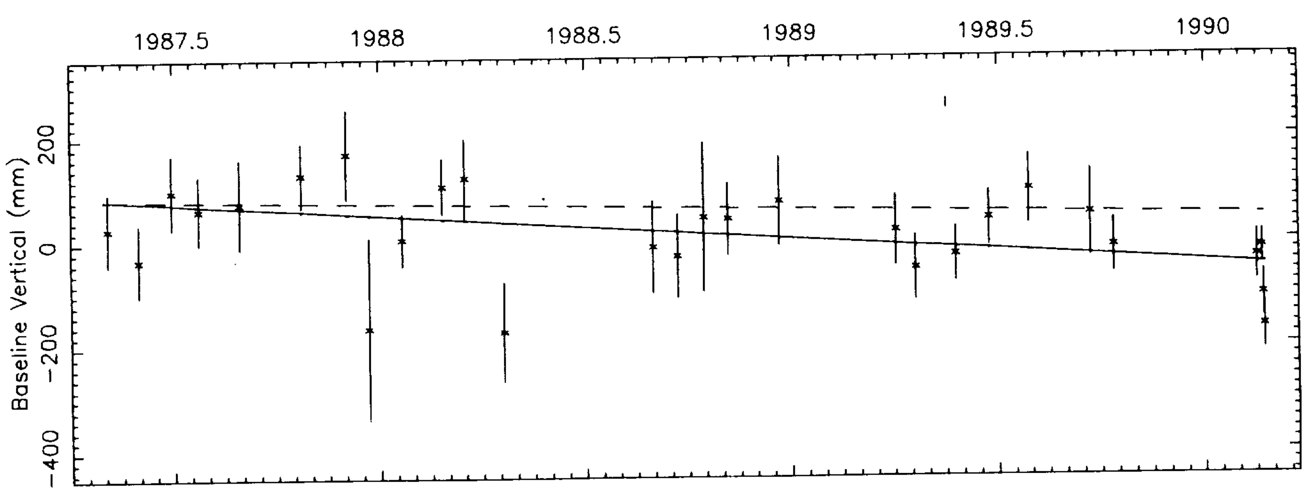


Observed Rate = 3.1 ± 11.9 mm/yr

NUVEL model rate = -9.7 mm/yr

Wrms of fit = 51.6 mm

Reduced Chi square = 3.51



Observed Rate = -47.2 ± 13.3 mm/yr

NUVEL model rate = -13.2 mm/yr

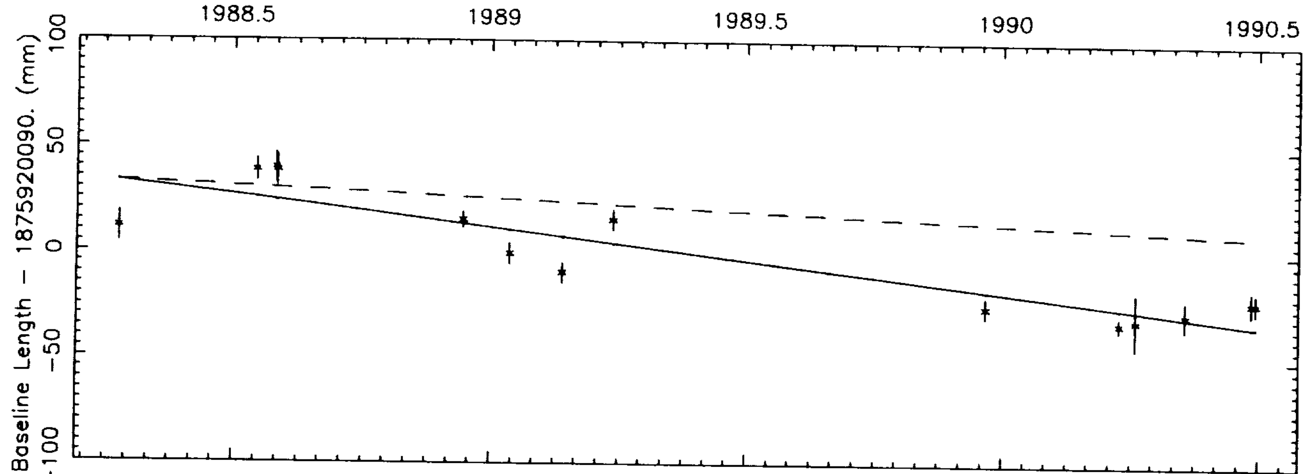
Wrms of fit = 66.8 mm

Reduced Chi square = 1.30

Vector baseline plots for KASHIMA –SESHAN25

Baseline length = 1876 kilometers

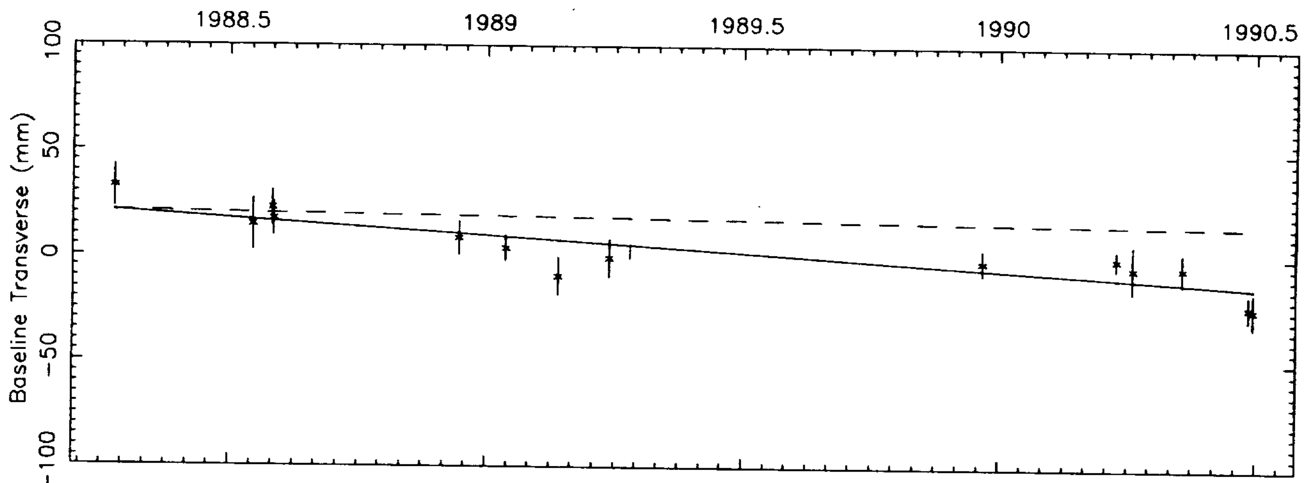
Number of sessions = 14



Observed Rate = –30.1 ± 4.4 mm/yr
NUVEL model rate = –11.0 mm/yr

Wrms of fit = 11.1 mm
Weighted mean length = 1875920086.6 mm

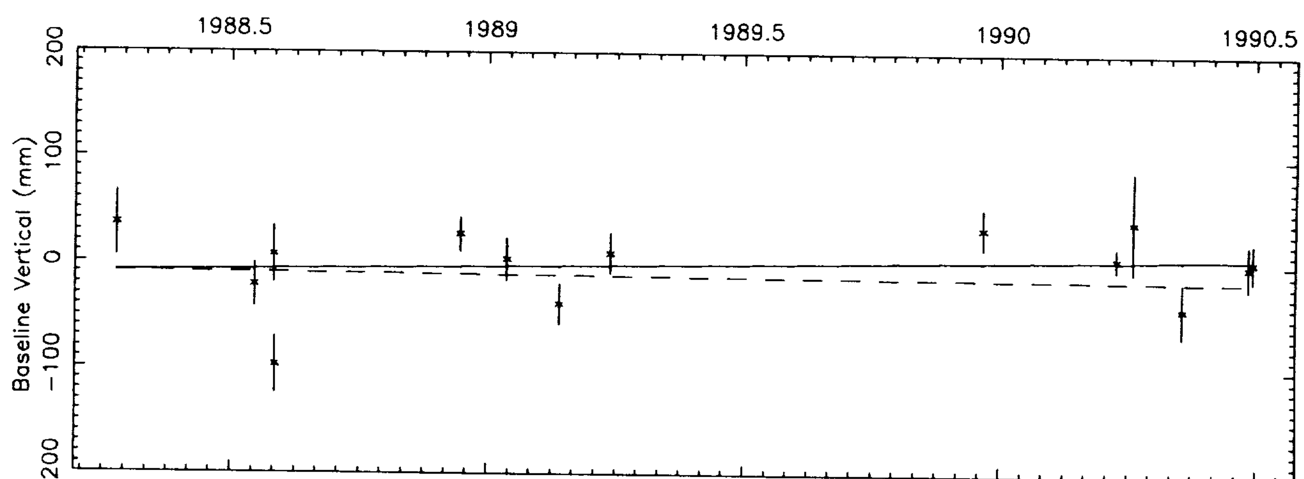
Reduced Chi square = 5.31



Observed Rate = –15.6 ± 3.0 mm/yr
NUVEL model rate = –2.7 mm/yr

Wrms of fit = 7.9 mm

Reduced Chi square = 1.31



Observed Rate = 6.8 ± 11.0 mm/yr
NUVEL model rate = –3.2 mm/yr

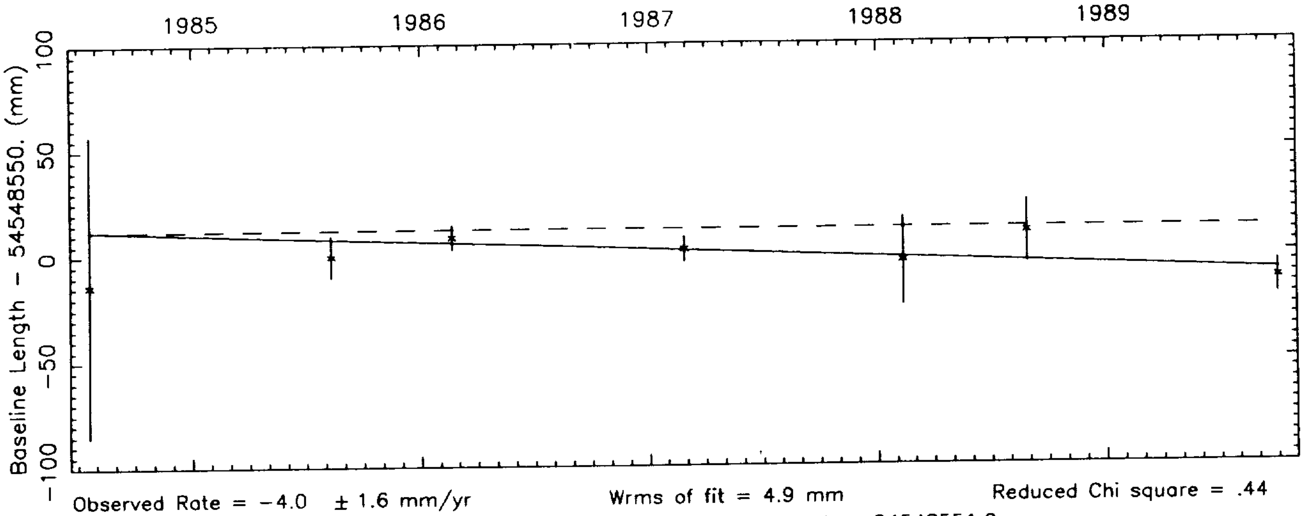
Wrms of fit = 28.1 mm

Reduced Chi square = 2.34

Vector baseline plots for KASHIMA –TSUKUBA

Baseline length = 55 kilometers

Number of sessions = 7



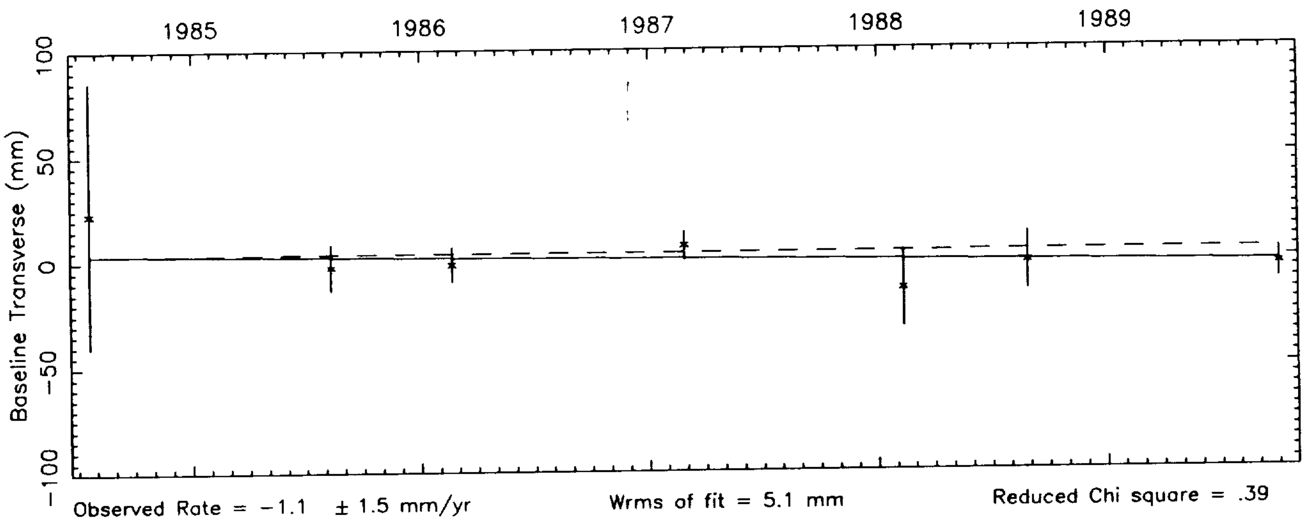
Observed Rate = –4.0 ± 1.6 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.9 mm

Weighted mean length = 54548551.2 mm

Reduced Chi square = .44

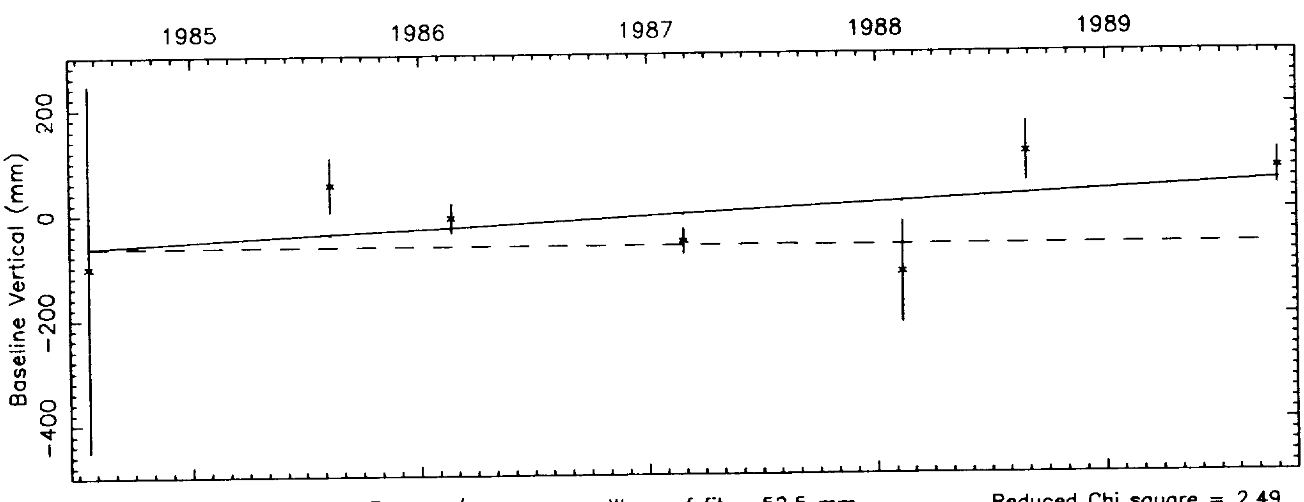


Observed Rate = –1.1 ± 1.5 mm/yr

NUVEL model rate = .1 mm/yr

Wrms of fit = 5.1 mm

Reduced Chi square = .39



Observed Rate = 22.7 ± 17.1 mm/yr

NUVEL model rate = –.1 mm/yr

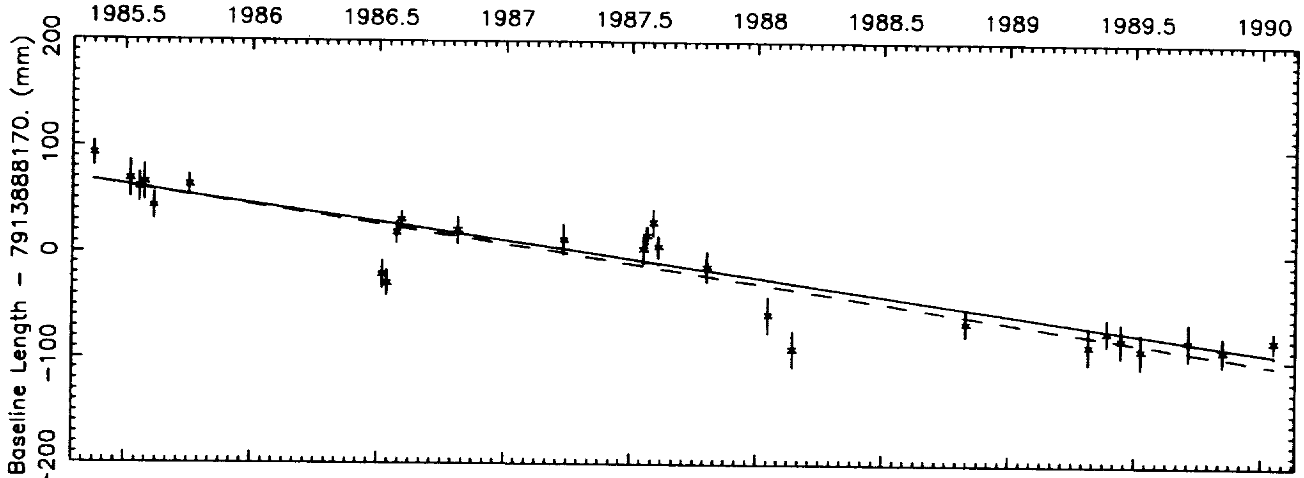
Wrms of fit = 52.5 mm

Reduced Chi square = 2.49

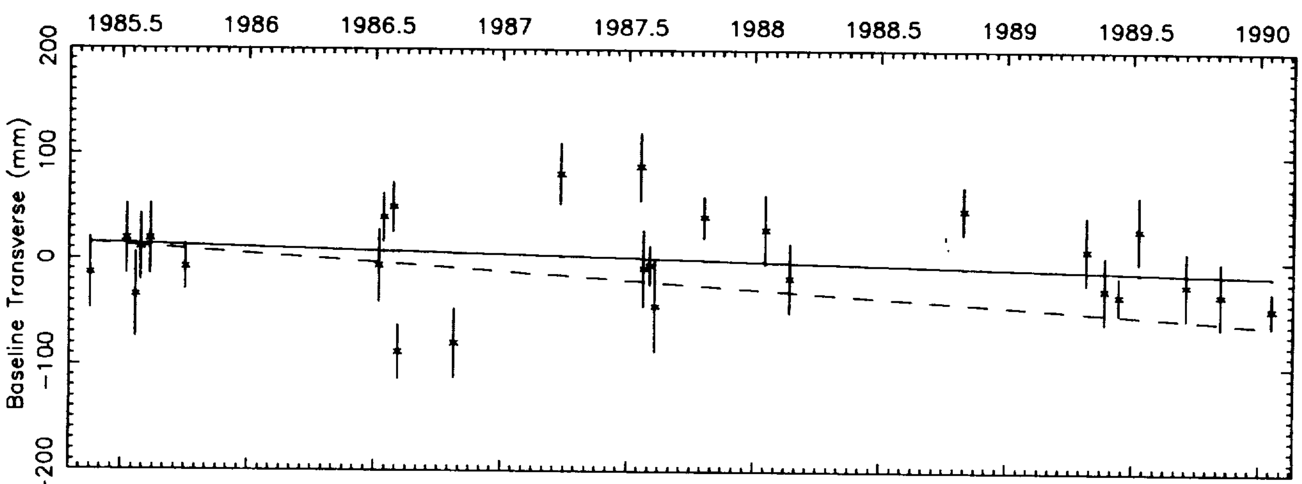
Vector baseline plots for KASHIMA -VNDNBERG

Baseline length = 7914 kilometers

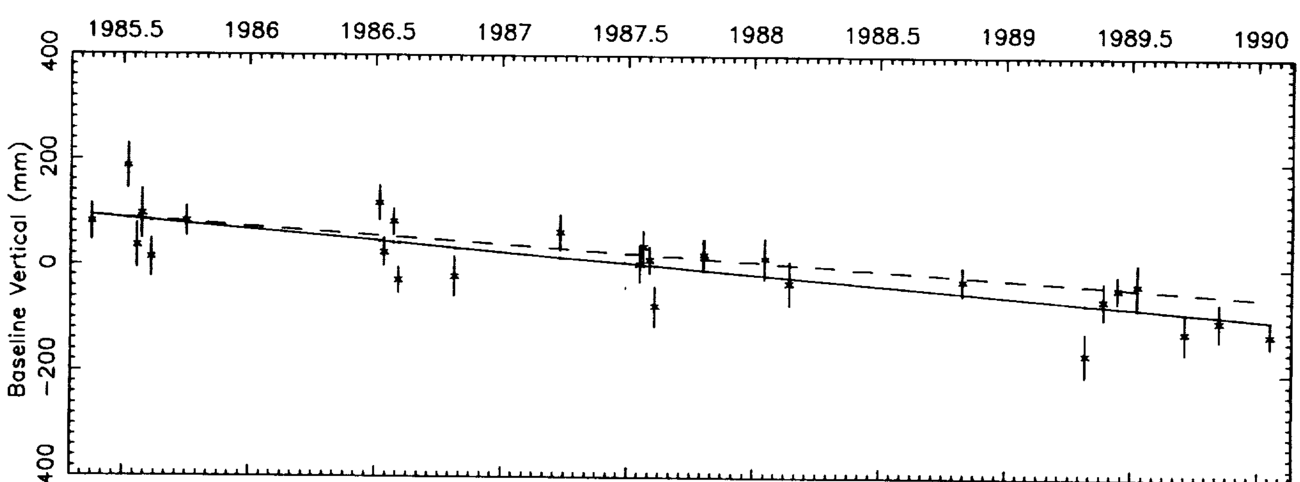
Number of sessions = 27



Observed Rate = -34.5 ± 3.1 mm/yr
NUVEL model rate = -36.6 mm/yr
Wrms of fit = 22.3 mm
Weighted mean length = 7913888166.8 mm
Reduced Chi square = 3.43



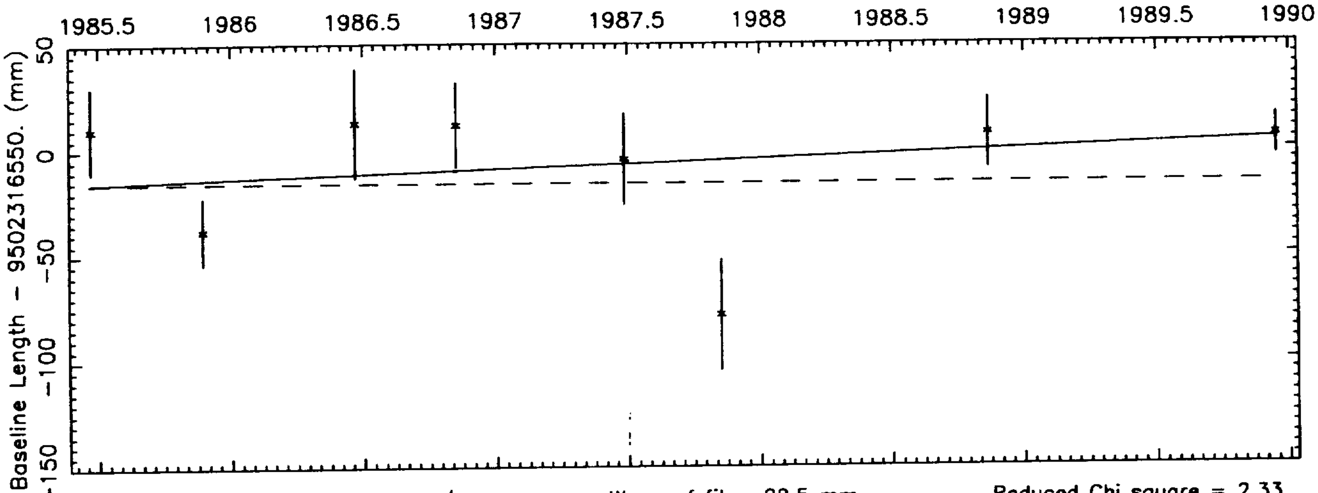
Observed Rate = -6.3 ± 5.4 mm/yr
NUVEL model rate = -16.3 mm/yr
Wrms of fit = 41.1 mm
Reduced Chi square = 2.53



Observed Rate = -40.7 ± 5.9 mm/yr
NUVEL model rate = -31.7 mm/yr
Wrms of fit = 43.2 mm
Reduced Chi square = 1.94

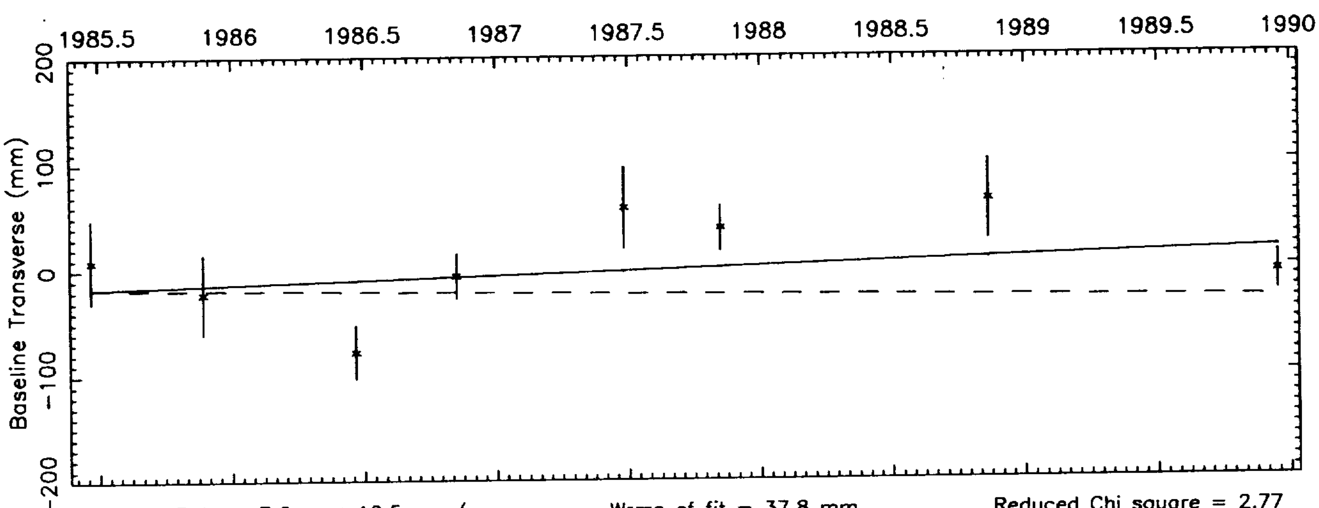
Vector baseline plots for KASHIMA –WESTFORD

Baseline length = 9502 kilometers   Number of sessions = 8



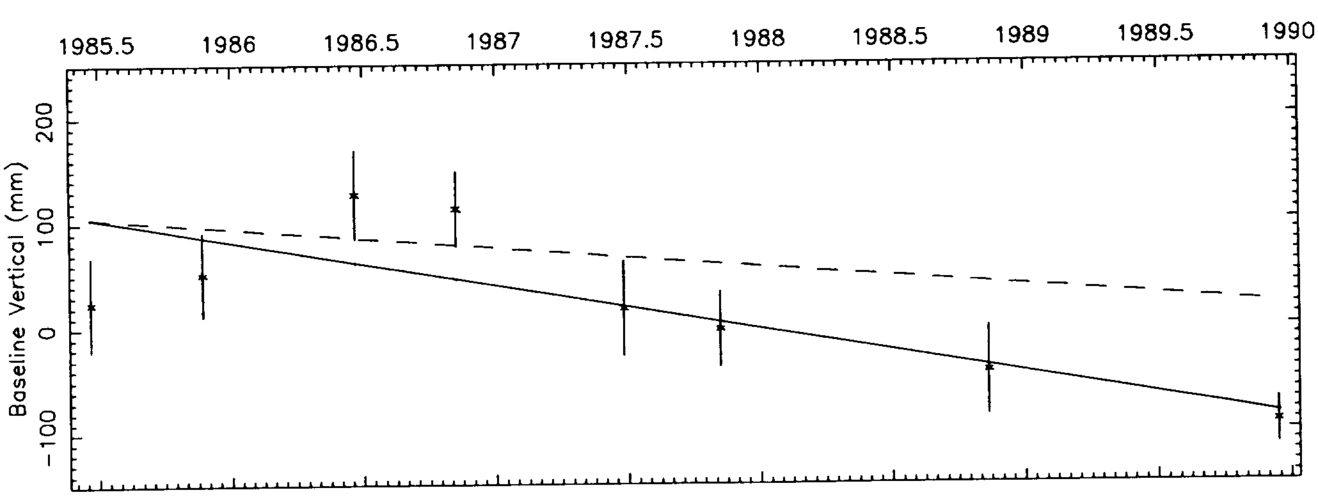
Observed Rate = 4.5 ± 5.4 mm/yr   Wrms of fit = 22.5 mm   Reduced Chi square = 2.33

NUVEL model rate = .0 mm/yr   Weighted mean length = 9502316545.8 mm



Observed Rate = 7.6 ± 10.5 mm/yr   Wrms of fit = 37.8 mm   Reduced Chi square = 2.77

NUVEL model rate = –2.8 mm/yr



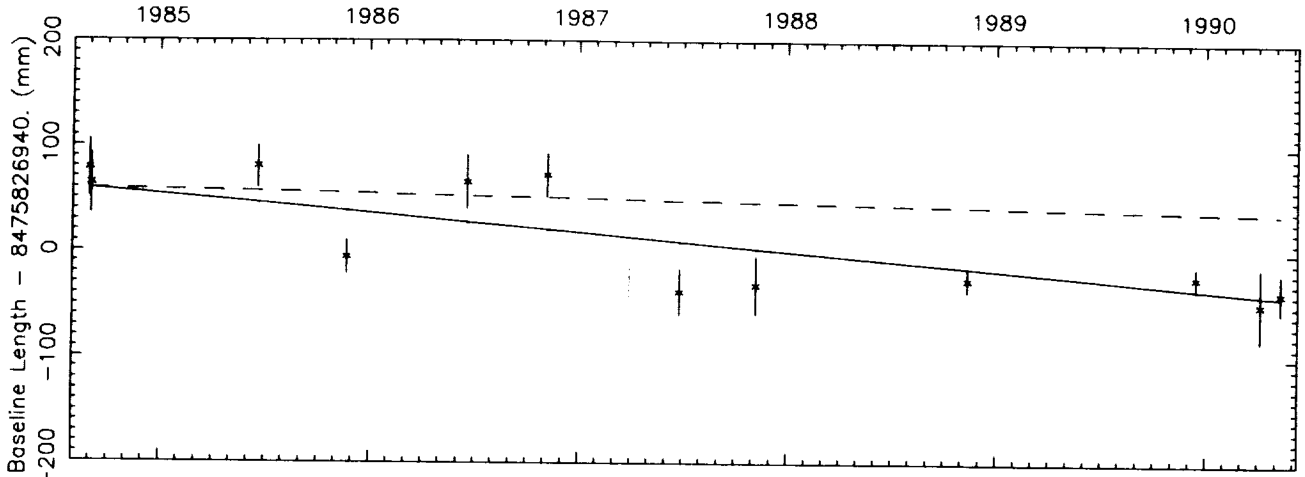
Observed Rate = –42.1 ± 10.1 mm/yr   Wrms of fit = 39.9 mm   Reduced Chi square = 1.67

NUVEL model rate = –18.7 mm/yr

Vector baseline plots for KASHIMA –WETTZELL

Baseline length = 8476 kilometers

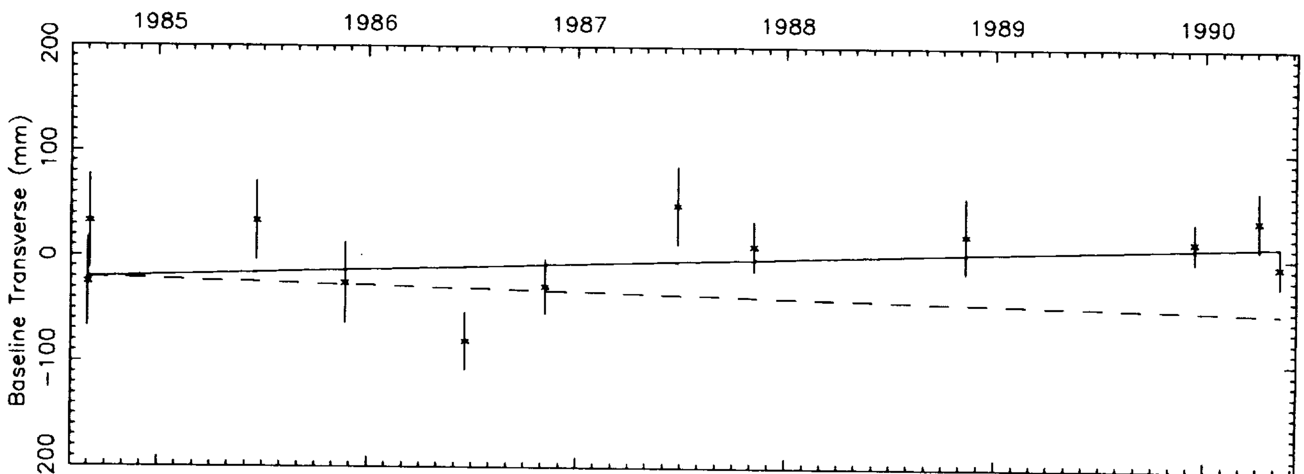
Number of sessions = 12



Observed Rate = –17.6 ± 4.6 mm/yr
NUVEL model rate = –3.7 mm/yr

Wrms of fit = 27.1 mm
Weighted mean length = 8475826938.1 mm

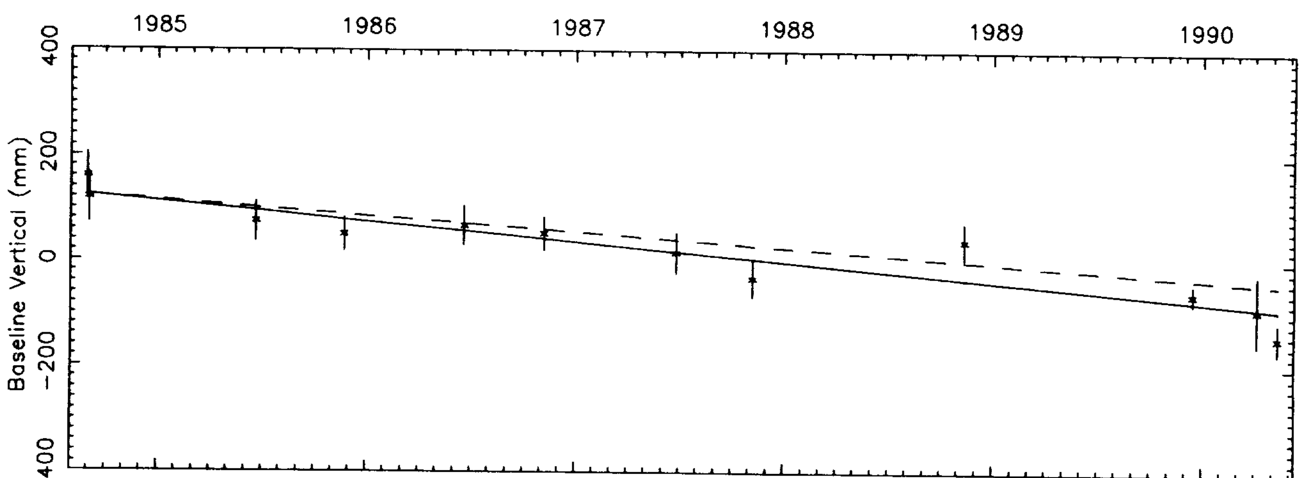
Reduced Chi square = 2.76



Observed Rate = 5.7 ± 5.2 mm/yr
NUVEL model rate = –5.5 mm/yr

Wrms of fit = 31.4 mm

Reduced Chi square = 1.50



Observed Rate = –37.4 ± 5.2 mm/yr
NUVEL model rate = –29.3 mm/yr

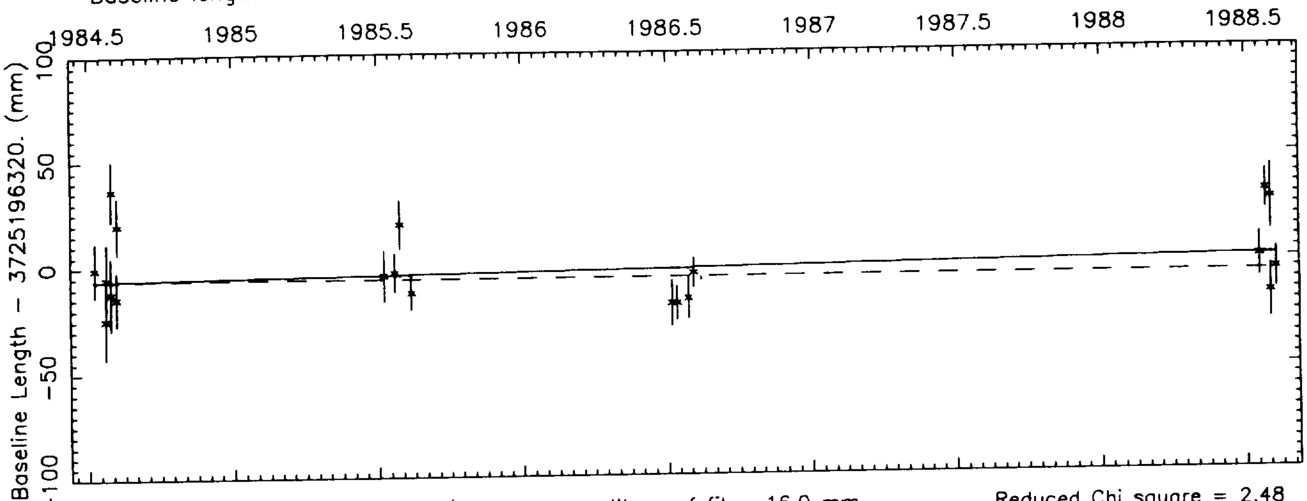
Wrms of fit = 32.4 mm

Reduced Chi square = 1.13

Vector baseline plots for KAUAI -KWAJAL26

Baseline length = 3725 kilometers

Number of sessions = 20



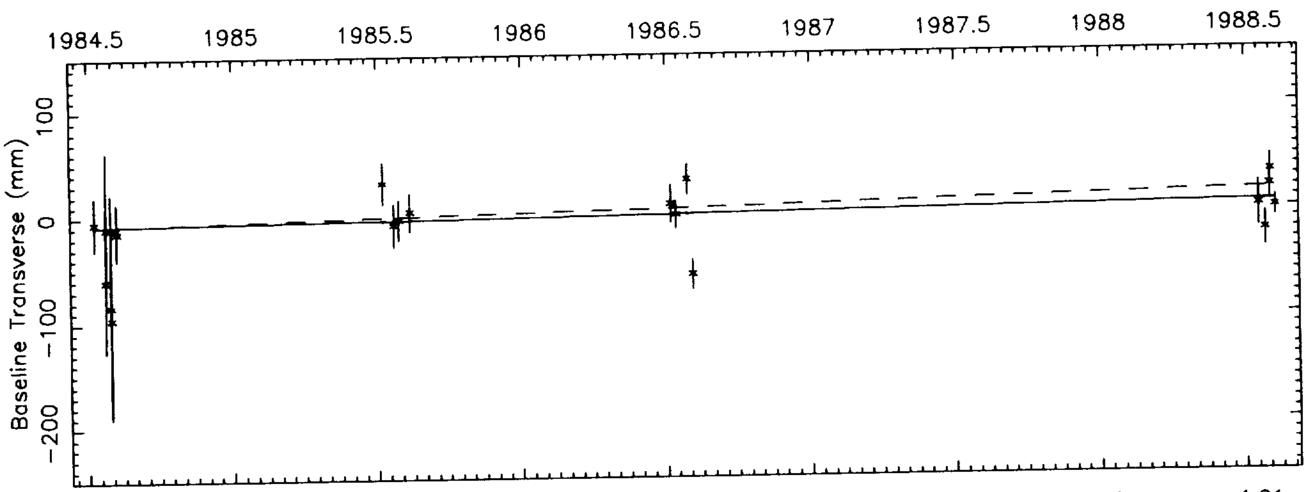
Observed Rate = 1.8 ± 2.7 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 16.0 mm

Weighted mean length = 3725196317.1 mm

Reduced Chi square = 2.48

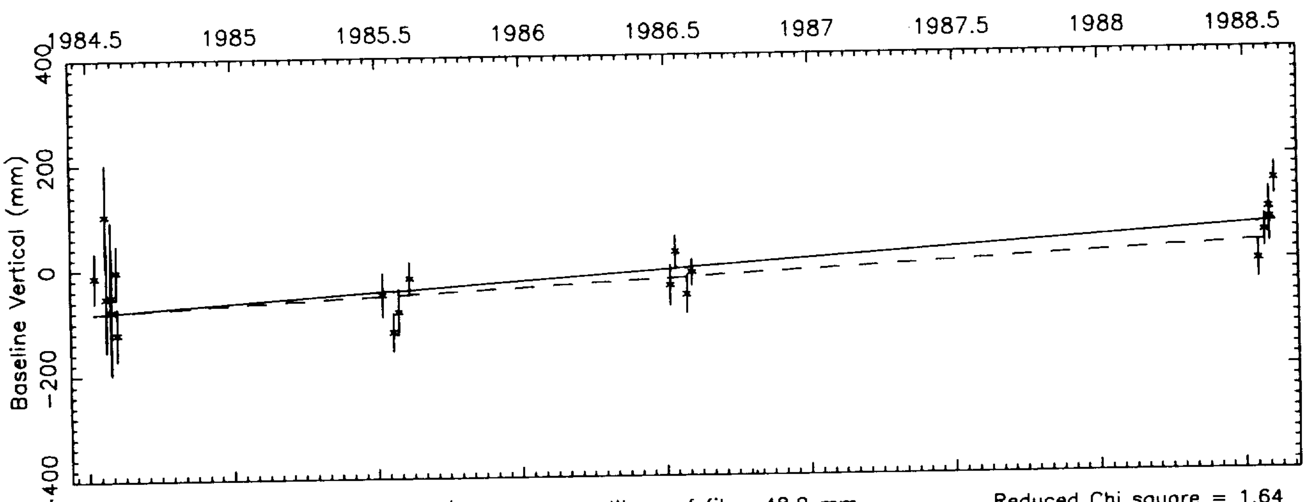


Observed Rate = 3.4 ± 4.0 mm/yr

NUVEL model rate = 6.3 mm/yr

Wrms of fit = 23.9 mm

Reduced Chi square = 1.91



Observed Rate = 37.1 ± 8.2 mm/yr

NUVEL model rate = 28.5 mm/yr

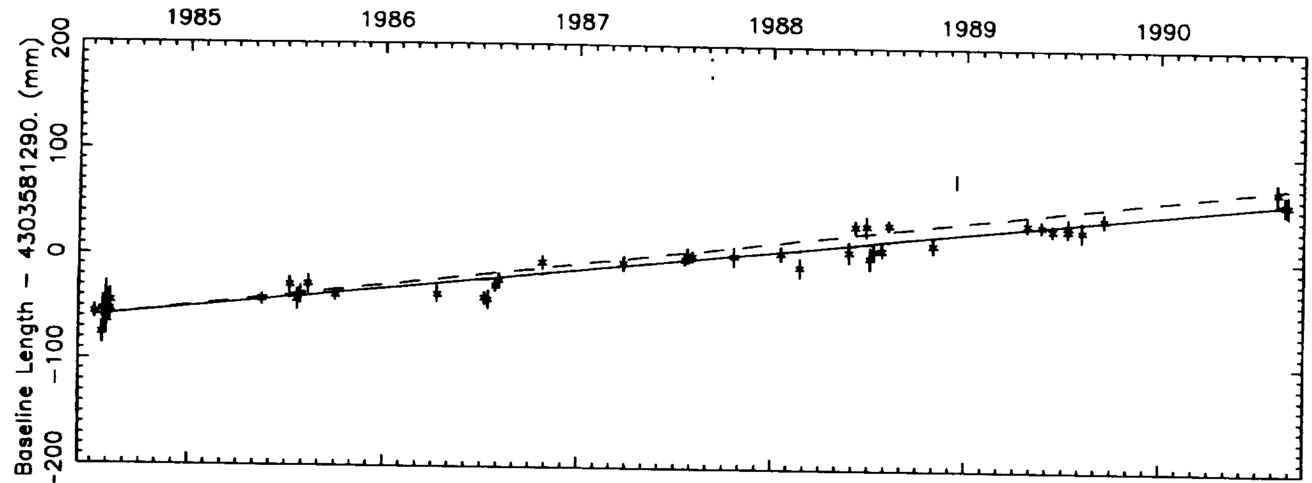
Wrms of fit = 48.9 mm

Reduced Chi square = 1.64

Vector baseline plots for KAUAI -MOJAVE12

Baseline length = 4304 kilometers

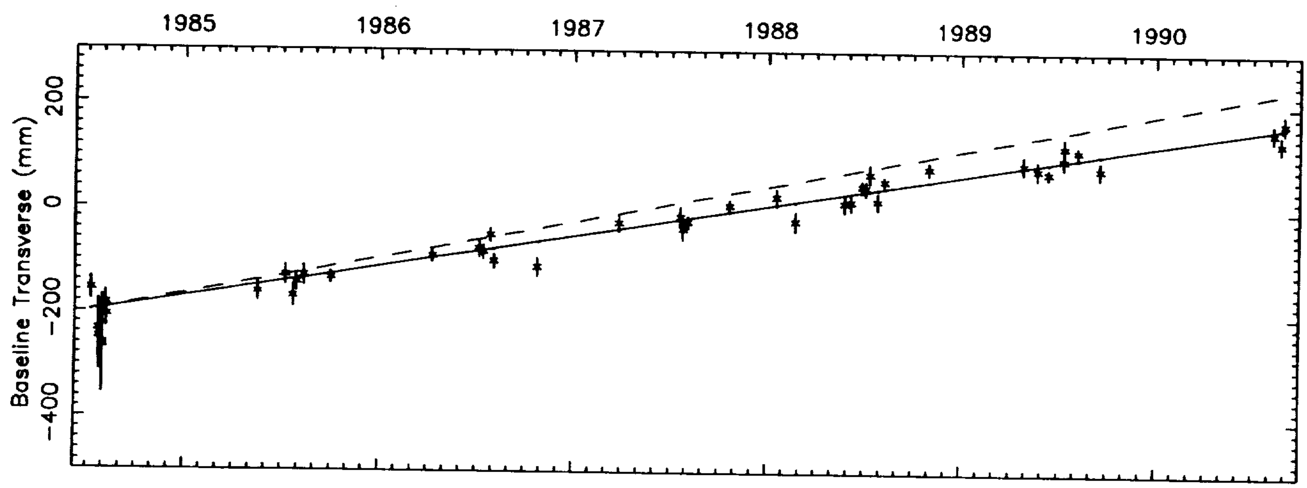
Number of sessions = 44



Observed Rate = 18.9 ± .8 mm/yr
NUVEL model rate = 21.3 mm/yr

Wrms of fit = 8.7 mm
Weighted mean length = 4303581287.2 mm

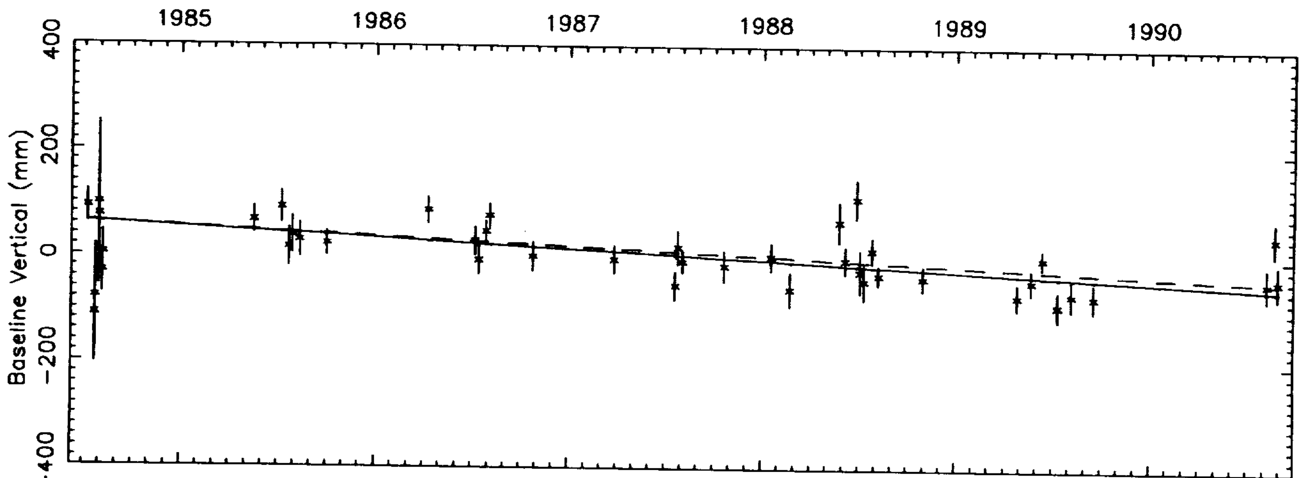
Reduced Chi square = 1.48



Observed Rate = 59.0 ± 1.8 mm/yr
NUVEL model rate = 69.7 mm/yr

Wrms of fit = 18.5 mm

Reduced Chi square = 1.44



Observed Rate = -19.5 ± 3.8 mm/yr
NUVEL model rate = -17.3 mm/yr

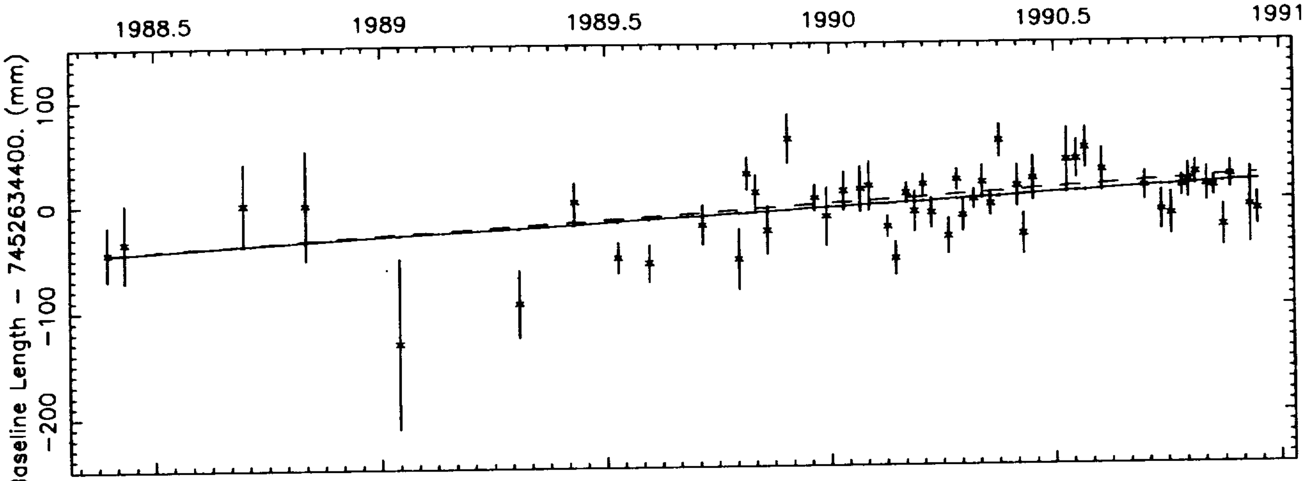
Wrms of fit = 40.0 mm

Reduced Chi square = 2.04

Vector baseline plots for KAUAI —RICHMOND

Baseline length = 7453 kilometers

Number of sessions = 52



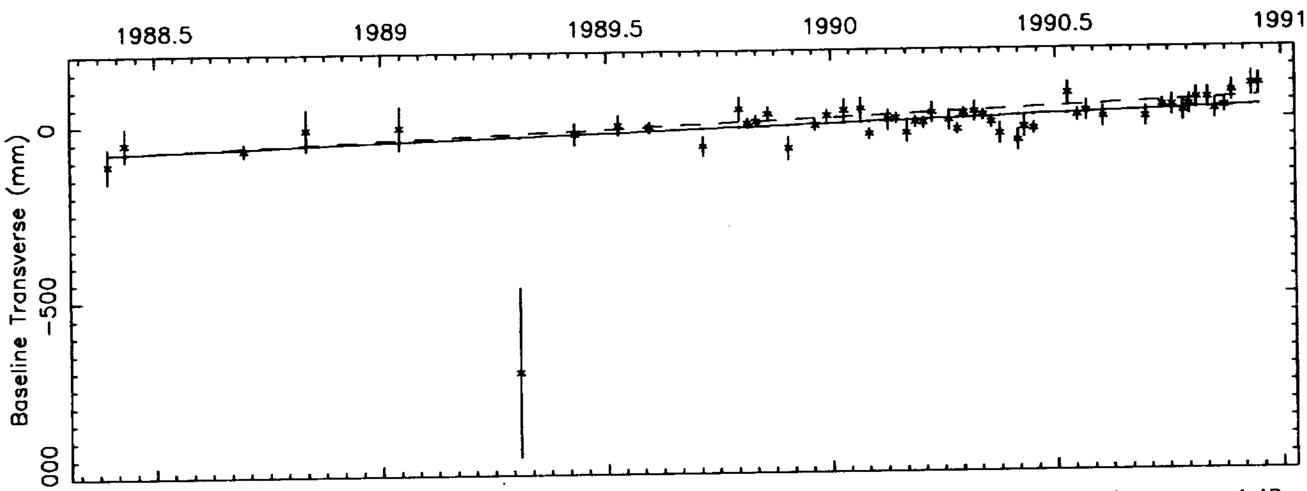
Observed Rate = 25.0 ± 7.2 mm/yr

NUVEL model rate = 27.3 mm/yr

Wrms of fit = 22.8 mm

Weighted mean length = 7452634402.1 mm

Reduced Chi square = 2.12

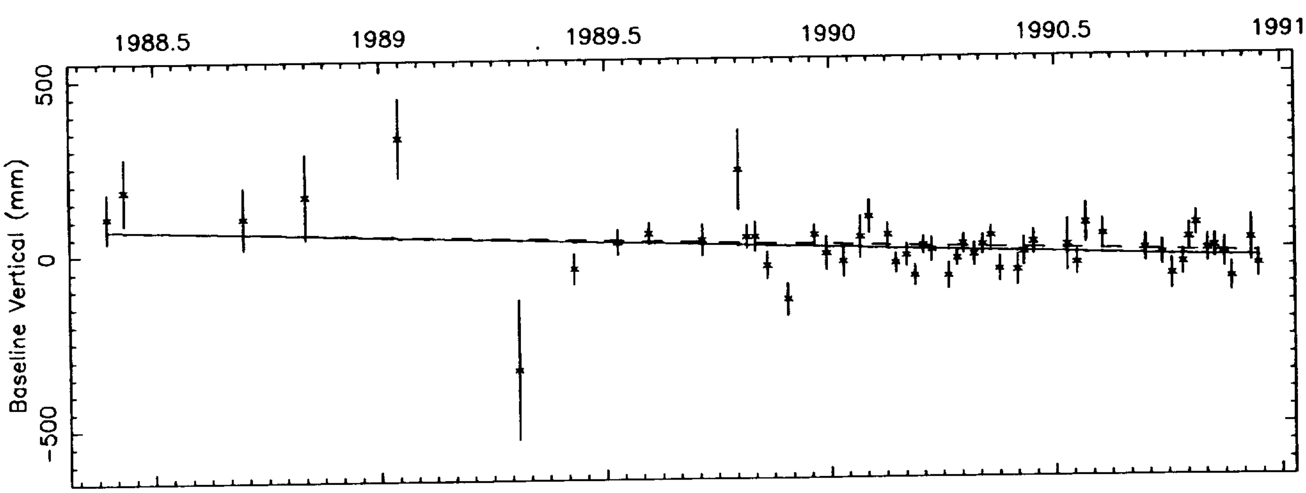


Observed Rate = 43.9 ± 8.2 mm/yr

NUVEL model rate = 54.1 mm/yr

Wrms of fit = 26.6 mm

Reduced Chi square = 1.48



Observed Rate = −38.2 ± 15.9 mm/yr

NUVEL model rate = −33.0 mm/yr

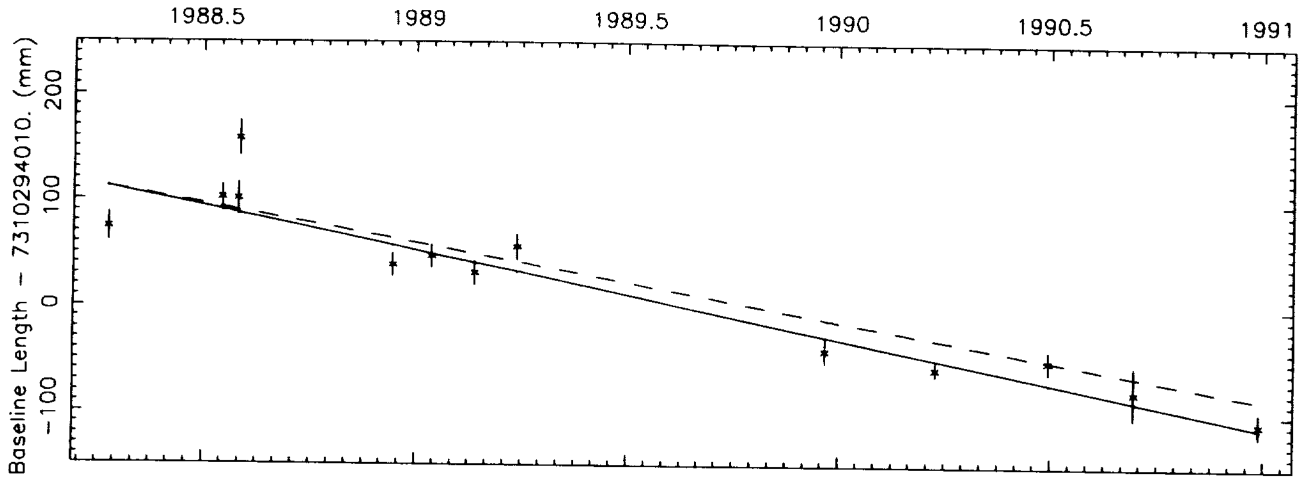
Wrms of fit = 48.3 mm

Reduced Chi square = 1.61

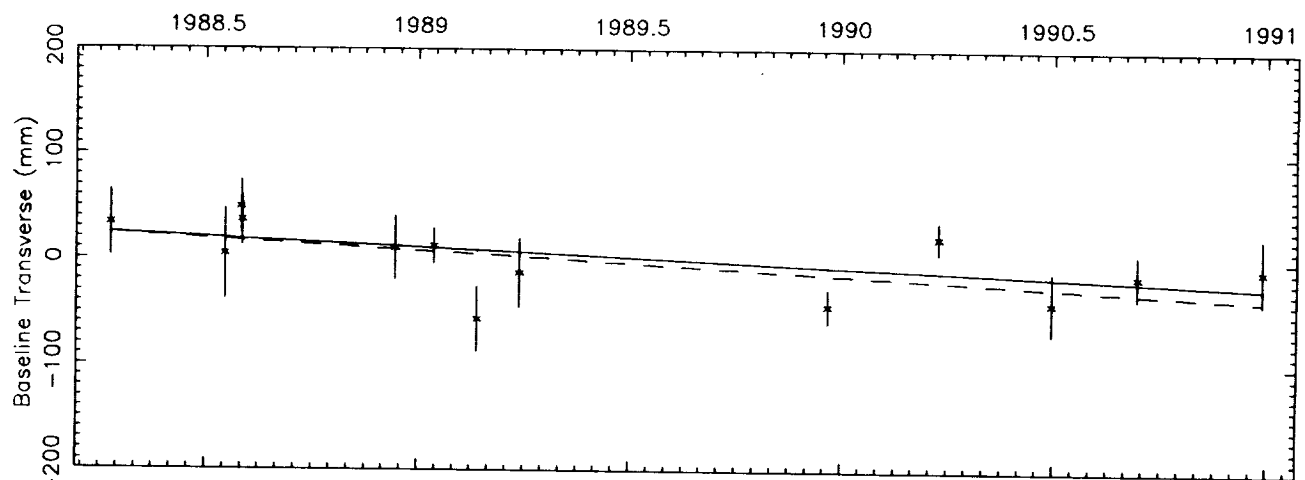
Vector baseline plots for KAUAI —SESHAN25

Baseline length = 7310 kilometers

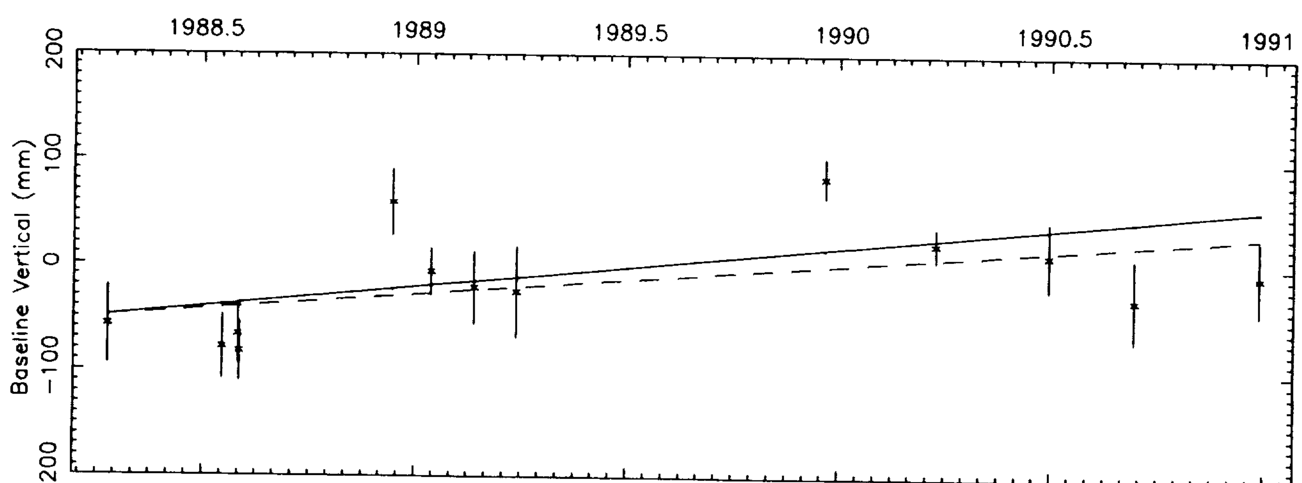
Number of sessions = 13



Observed Rate = -82.4 ± 7.5 mm/yr
NUVEL model rate = -72.7 mm/yr
Wrms of fit = 20.2 mm
Weighted mean length = 7310294012.9 mm
Reduced Chi square = 3.77



Observed Rate = -18.0 ± 10.3 mm/yr
NUVEL model rate = -22.5 mm/yr
Wrms of fit = 27.3 mm
Reduced Chi square = 1.64

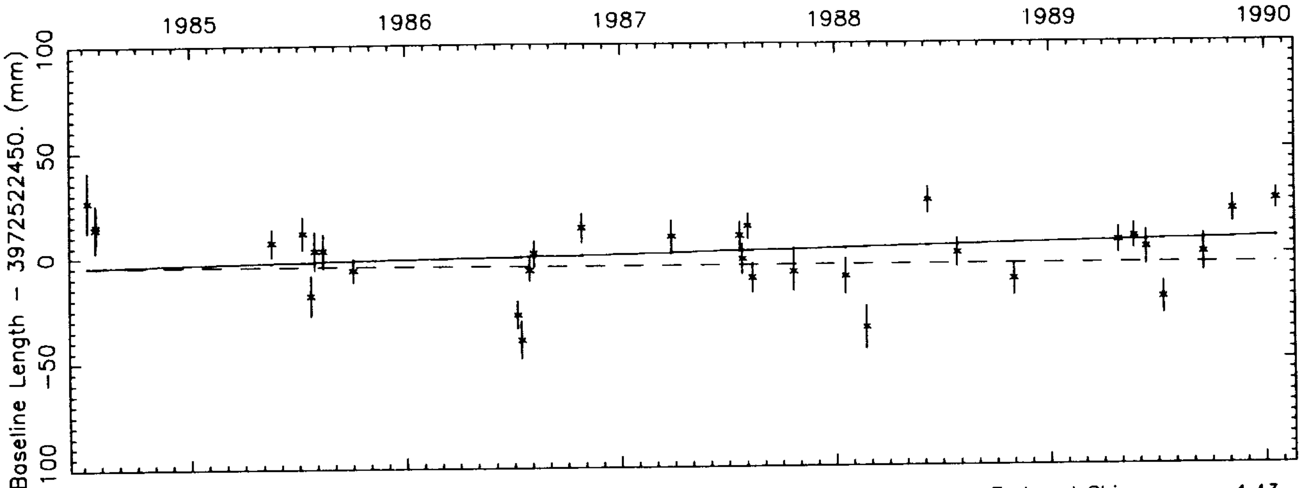


Observed Rate = 38.6 ± 16.2 mm/yr
NUVEL model rate = 29.0 mm/yr
Wrms of fit = 42.8 mm
Reduced Chi square = 3.03

Vector baseline plots for KAUAI -VNDNBERG

Baseline length = 3973 kilometers

Number of sessions = 32



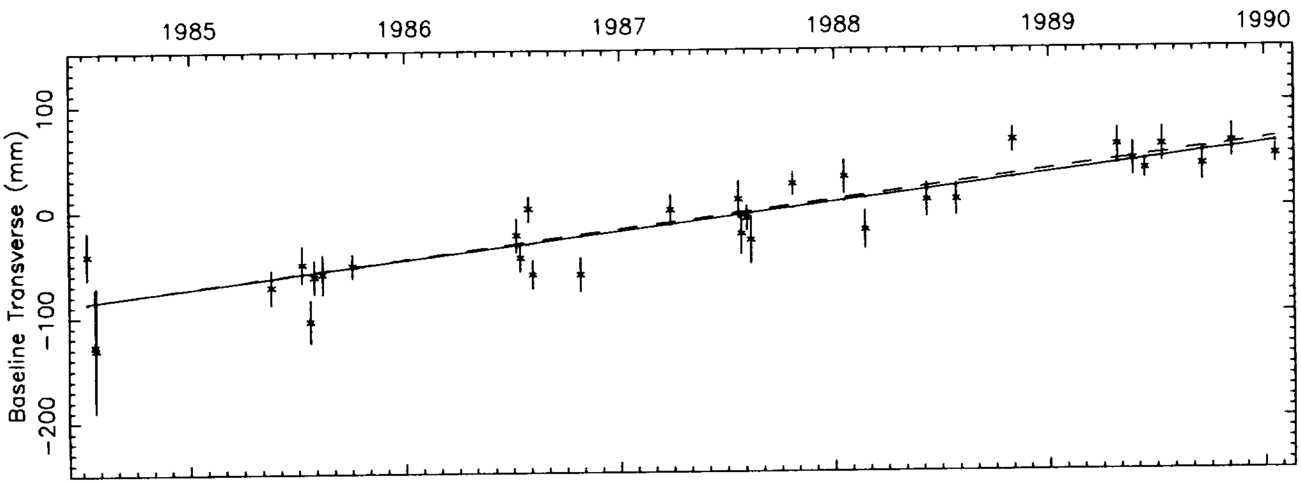
Observed Rate = 2.2 ± 1.7 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 14.8 mm

Weighted mean length = 3972522452.1 mm

Reduced Chi square = 4.43

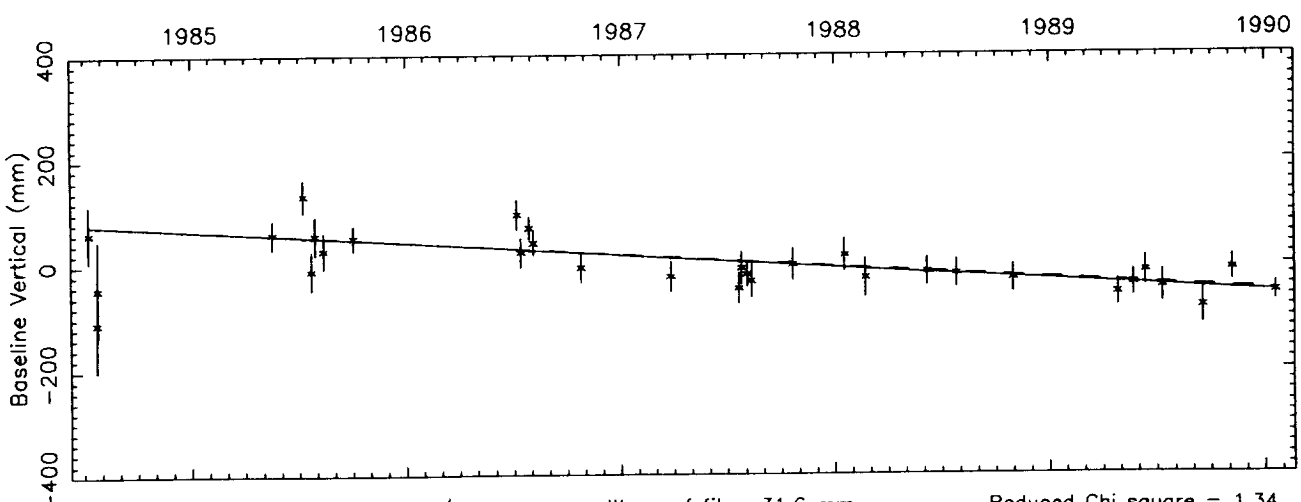


Observed Rate = 26.4 ± 2.3 mm/yr

NUVEL model rate = 27.2 mm/yr

Wrms of fit = 19.8 mm

Reduced Chi square = 1.88



Observed Rate = -23.9 ± 3.7 mm/yr

NUVEL model rate = -23.3 mm/yr

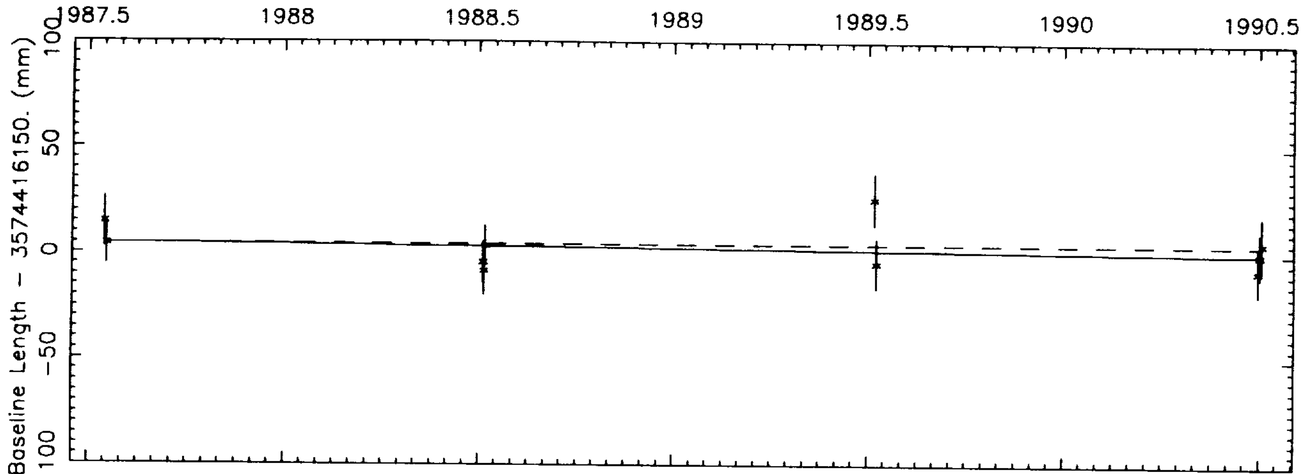
Wrms of fit = 31.6 mm

Reduced Chi square = 1.34

Vector baseline plots for KODIAK -MOJAVE12

Baseline length = 3574 kilometers

Number of sessions = 10



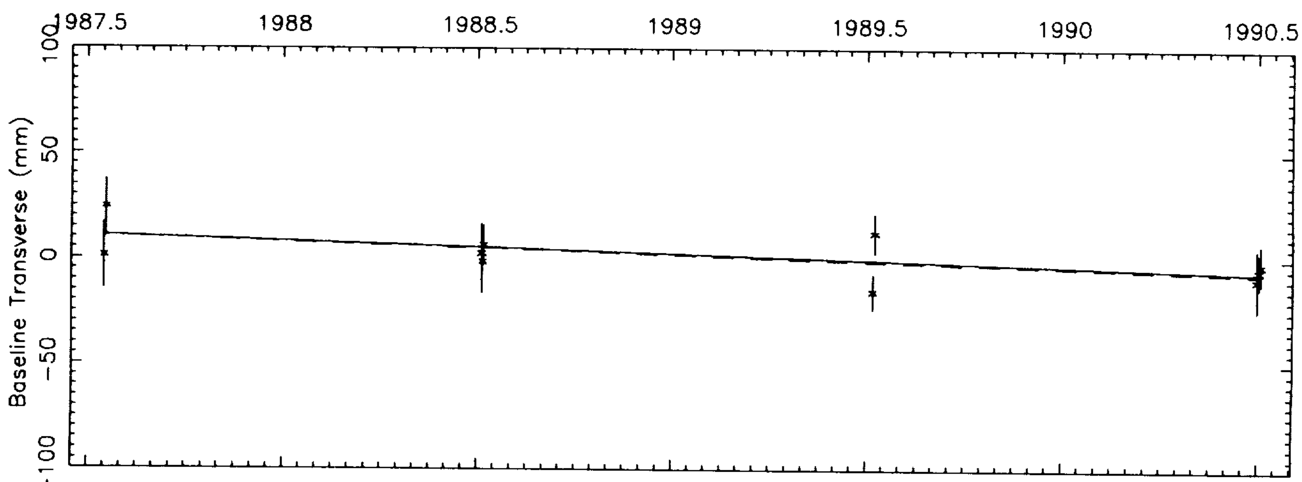
Observed Rate = -1.4 ± 3.0 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 9.2 mm

Weighted mean length = 3574416152.2 mm

Reduced Chi square = .89

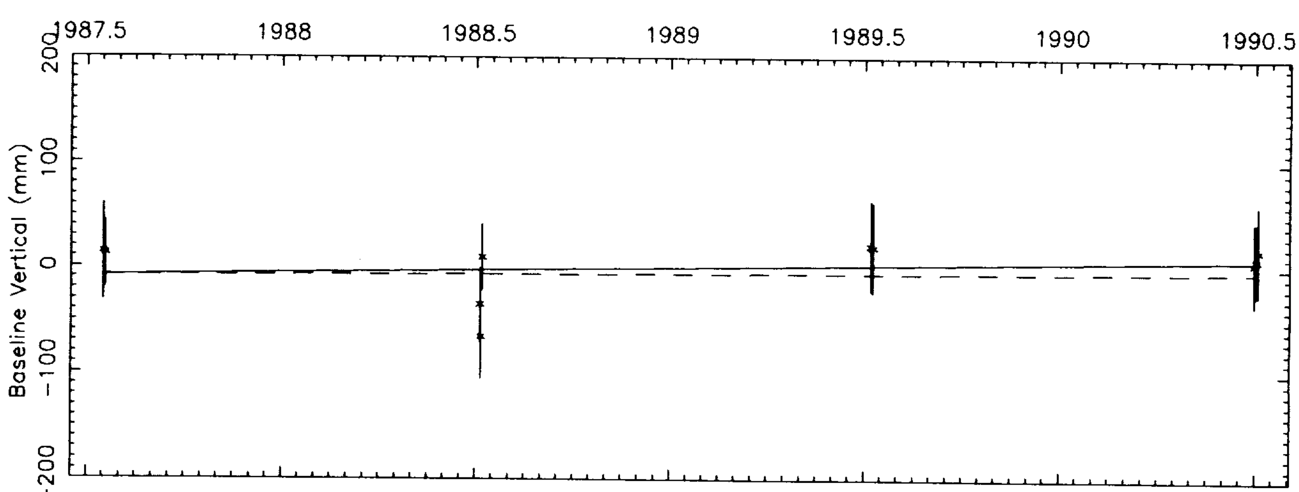


Observed Rate = -5.7 ± 3.2 mm/yr

NUVEL model rate = -6.0 mm/yr

Wrms of fit = 9.0 mm

Reduced Chi square = .89



Observed Rate = 5.6 ± 8.3 mm/yr

NUVEL model rate = 1.5 mm/yr

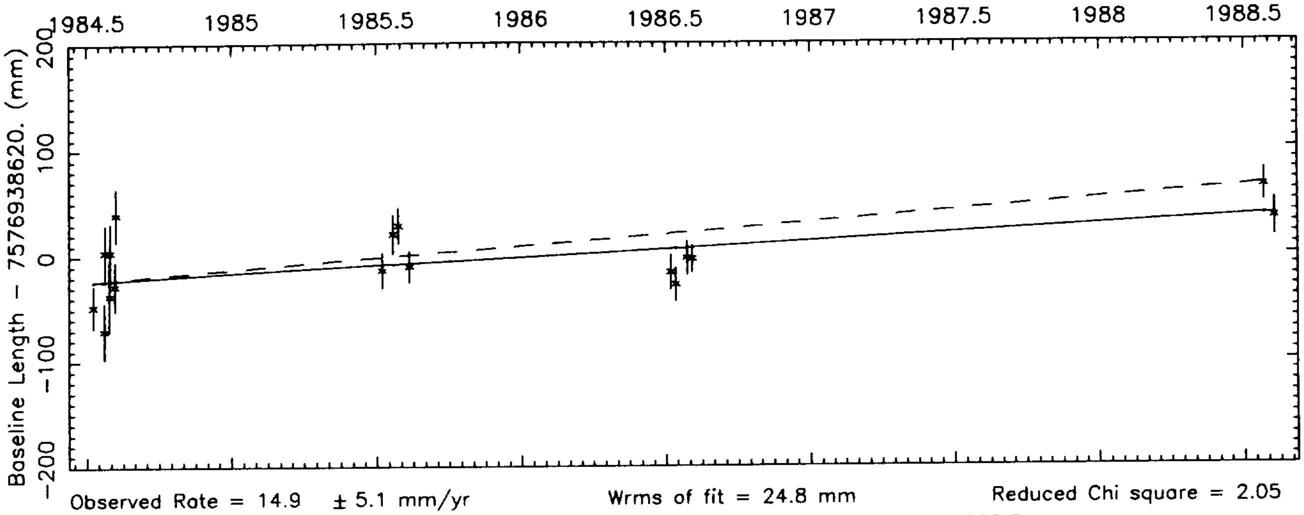
Wrms of fit = 25.7 mm

Reduced Chi square = .57

Vector baseline plots for KWAJAL26–MOJAVE12

Baseline length = 7577 kilometers

Number of sessions = 17



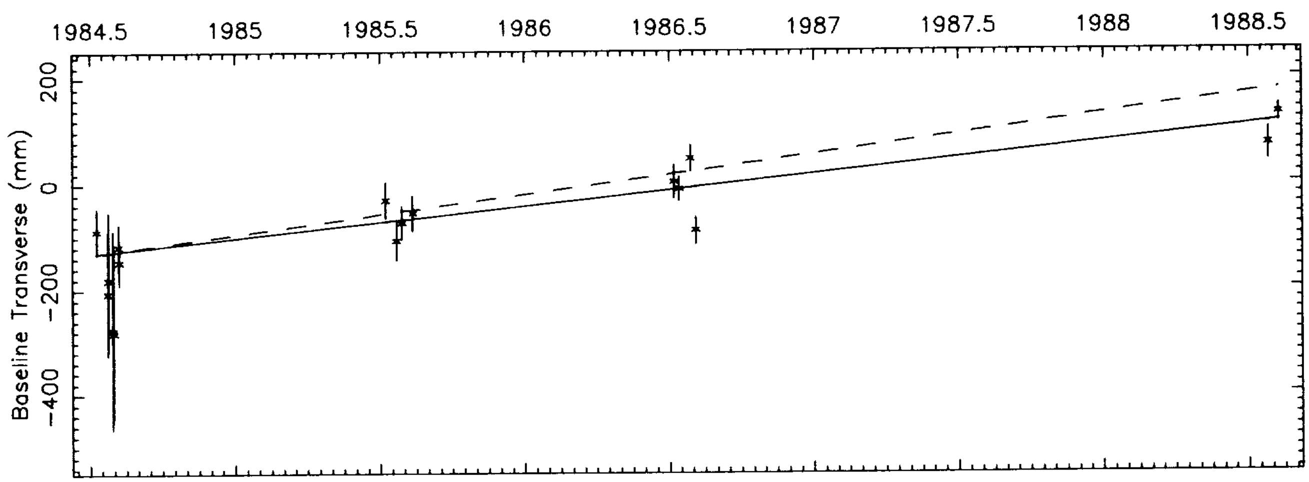
Observed Rate = 14.9 ± 5.1 mm/yr

NUVEL model rate = 22.0 mm/yr

Wrms of fit = 24.8 mm

Weighted mean length = 7576938620.0 mm

Reduced Chi square = 2.05

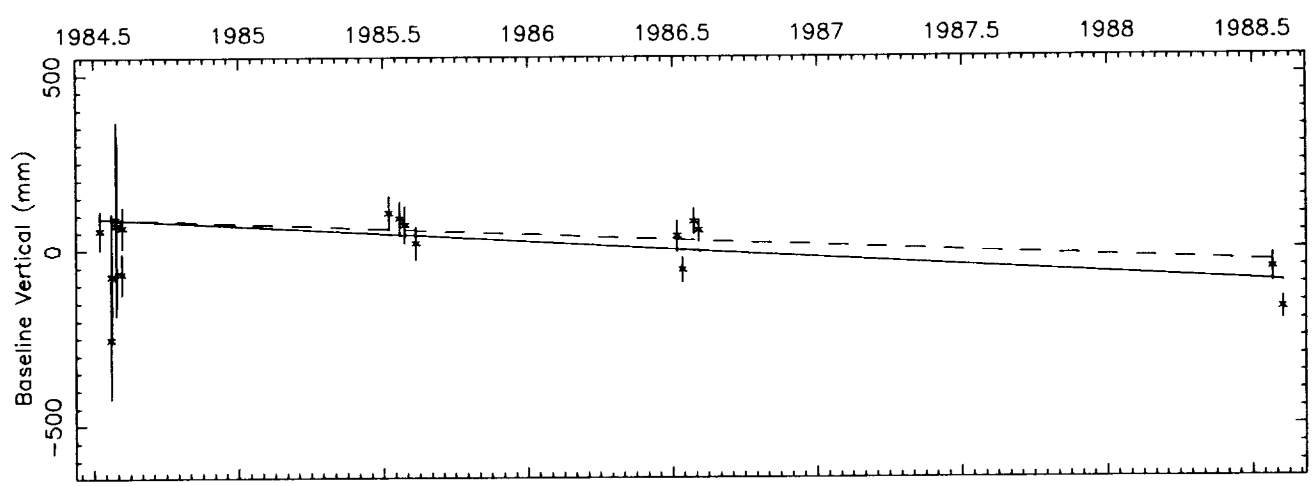


Observed Rate = 59.8 ± 7.3 mm/yr

NUVEL model rate = 74.8 mm/yr

Wrms of fit = 38.7 mm

Reduced Chi square = 1.56



Observed Rate = –45.6 ± 13.5 mm/yr

NUVEL model rate = –31.5 mm/yr

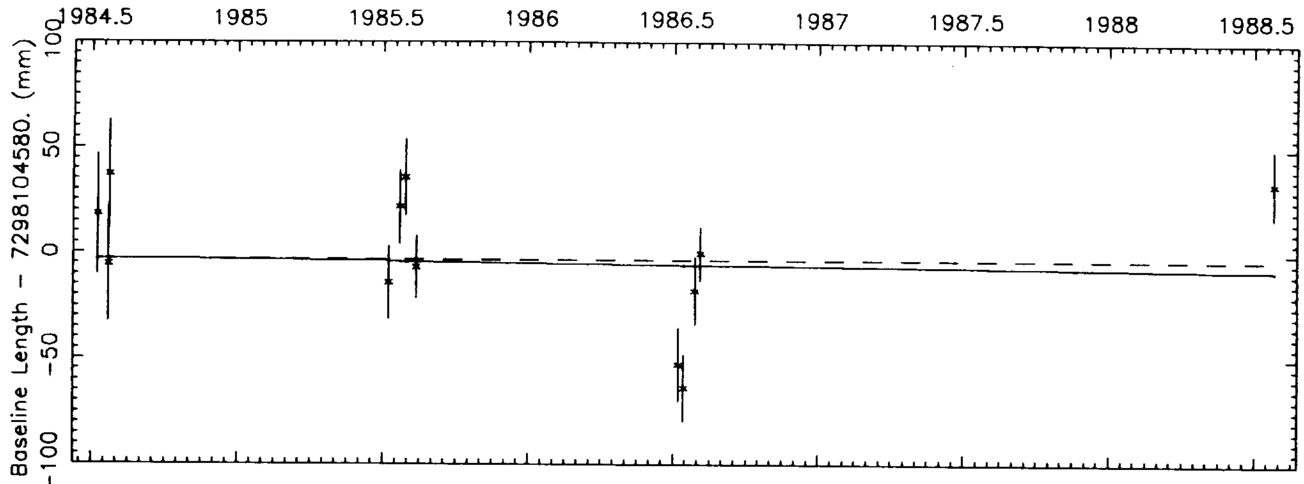
Wrms of fit = 67.9 mm

Reduced Chi square = 2.20

Vector baseline plots for KWAJAL26-VNDNBERG

Baseline length = 7298 kilometers

Number of sessions = 12



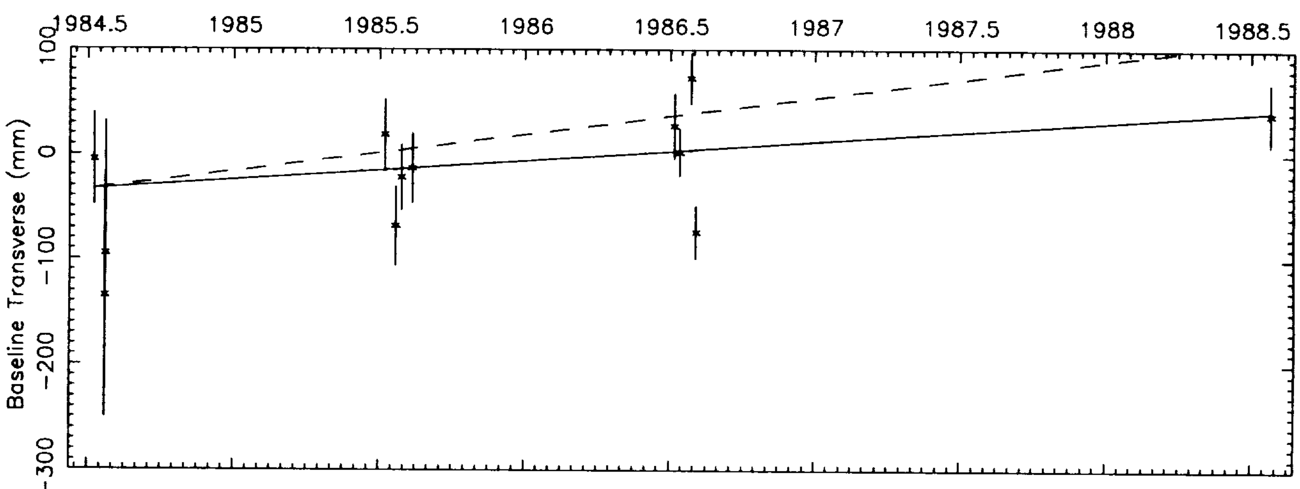
Observed Rate = -1.2 ± 9.8 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 31.2 mm

Weighted mean length = 7298104575.1 mm

Reduced Chi square = 3.84

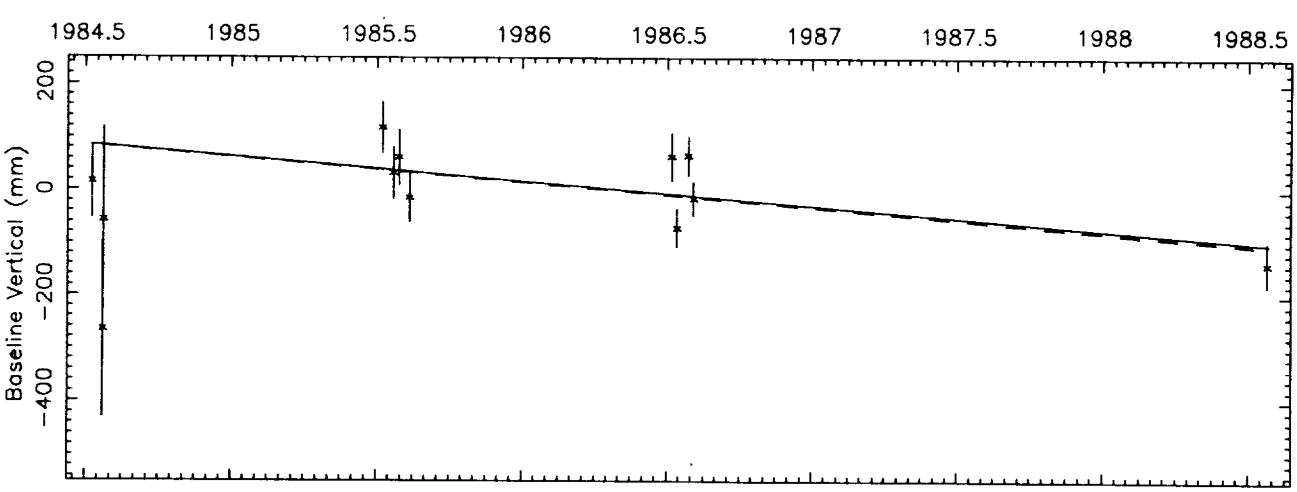


Observed Rate = 18.4 ± 15.0 mm/yr

NUVEL model rate = 35.2 mm/yr

Wrms of fit = 44.4 mm

Reduced Chi square = 2.29



Observed Rate = -45.6 ± 20.3 mm/yr

NUVEL model rate = -46.9 mm/yr

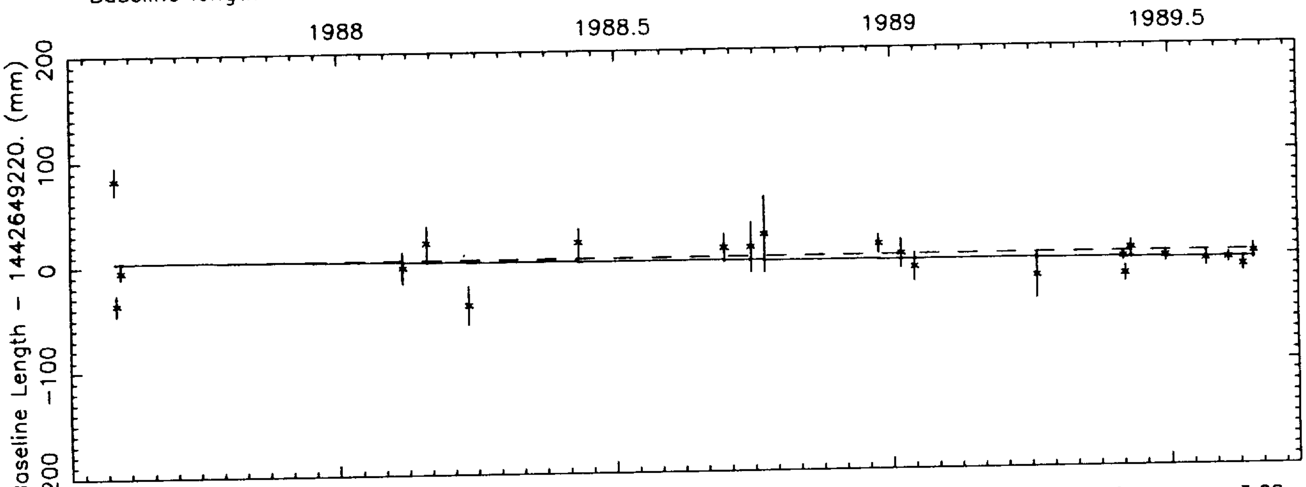
Wrms of fit = 61.1 mm

Reduced Chi square = 2.03

Vector baseline plots for MARPOINT–RICHMOND

Baseline length = 1443 kilometers

Number of sessions = 22



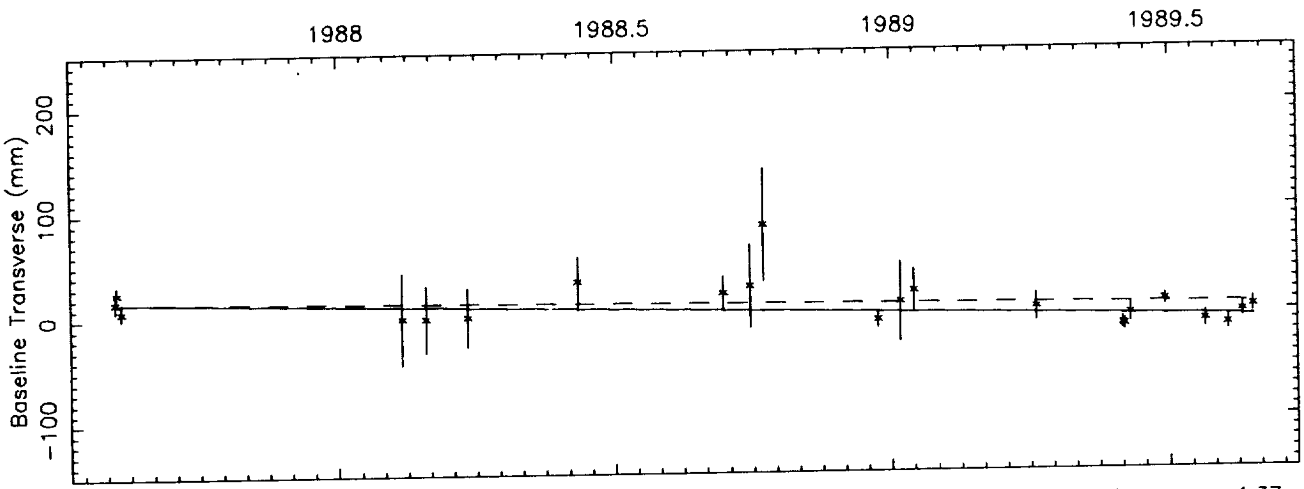
Observed Rate = −3.4 ± 5.2 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 15.7 mm

Weighted mean length = 1442649218.4 mm

Reduced Chi square = 3.68

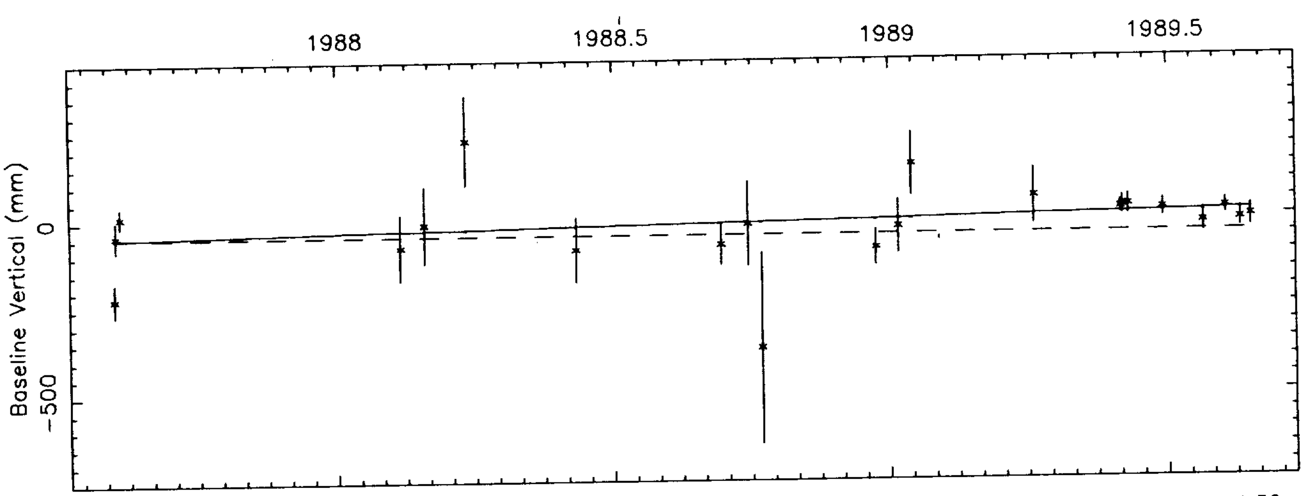


Observed Rate = −10.7 ± 2.9 mm/yr

NUVEL model rate = −4.5 mm/yr

Wrms of fit = 10.0 mm

Reduced Chi square = 1.37



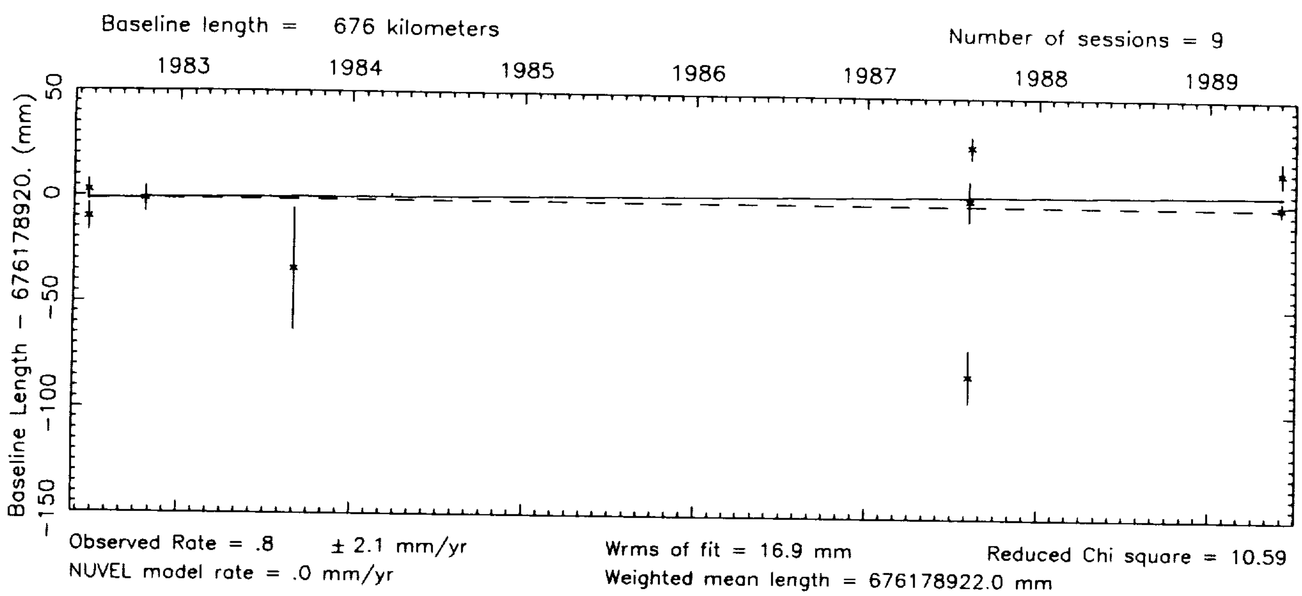
Observed Rate = 28.8 ± 15.3 mm/yr

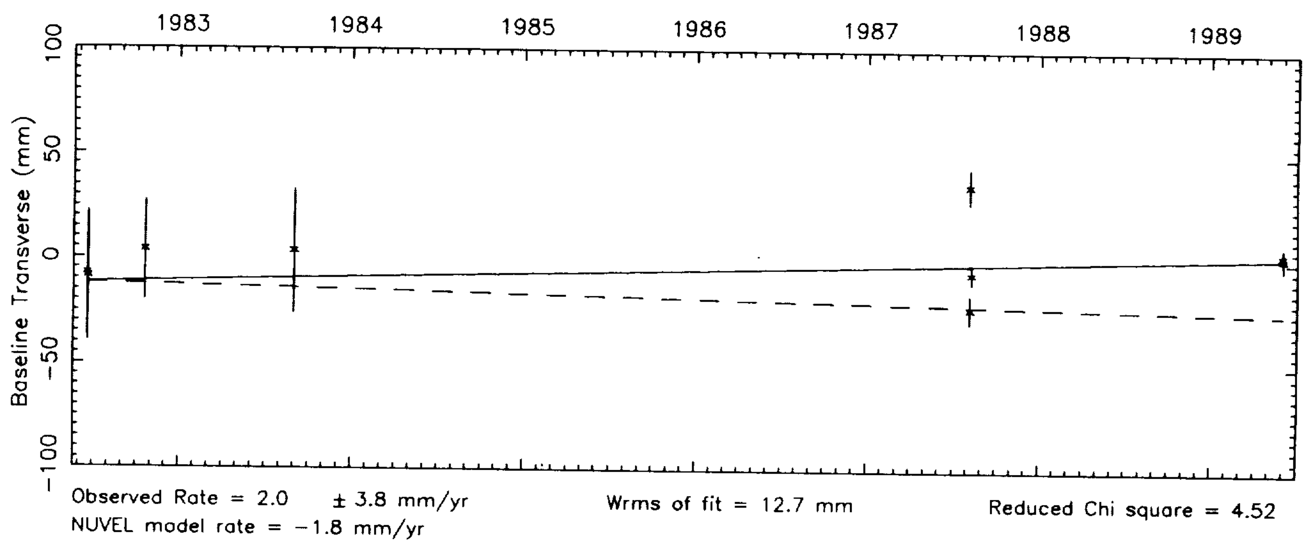
NUVEL model rate = .0 mm/yr

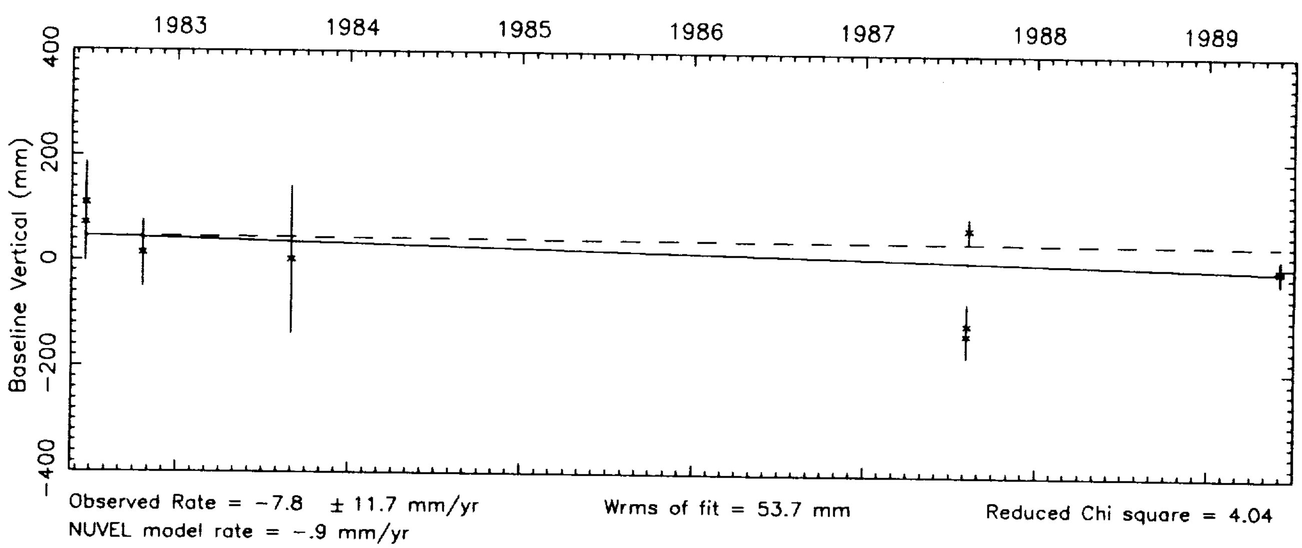
Wrms of fit = 46.2 mm

Reduced Chi square = 1.80

Vector baseline plots for MARPOINT–WESTFORD



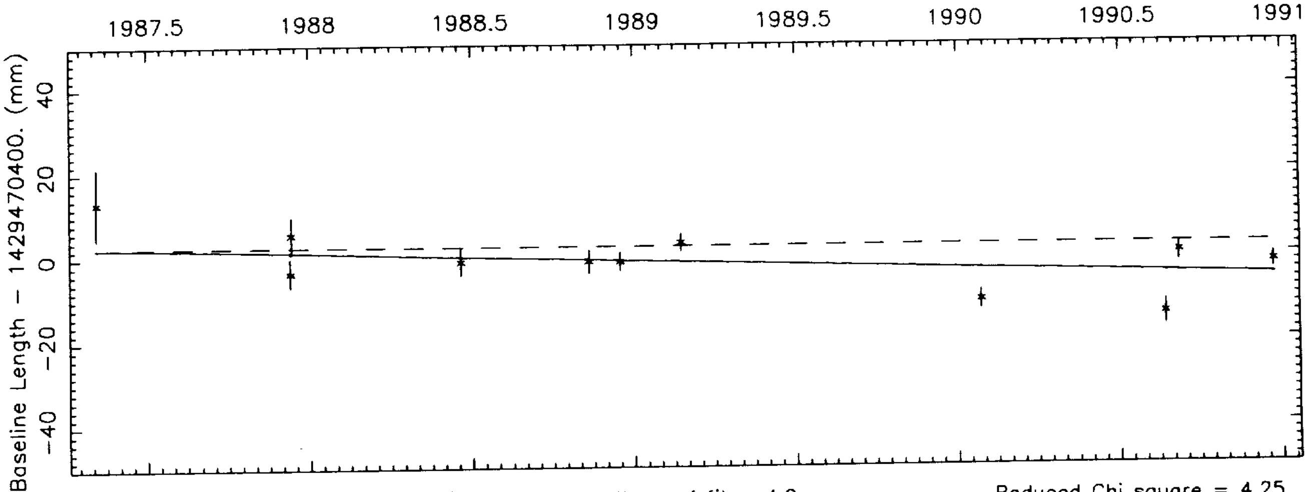




Vector baseline plots for MEDICINA–ONSALA60

Baseline length = , 1429 kilometers

Number of sessions = 11



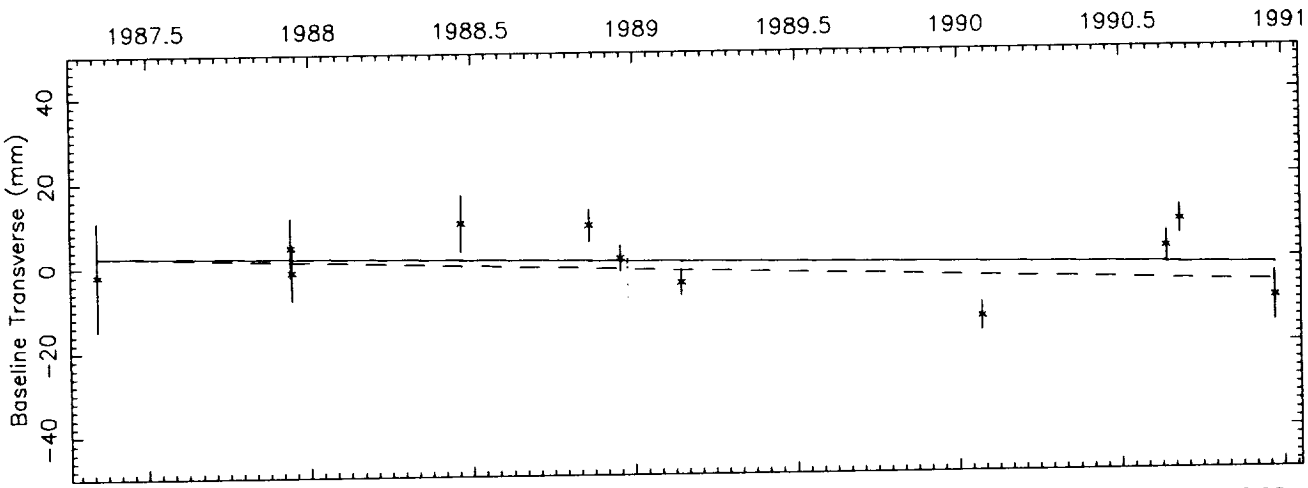
Observed Rate = −2.1 ± 1.6 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.9 mm

Weighted mean length = 1429470397.5 mm

Reduced Chi square = 4.25

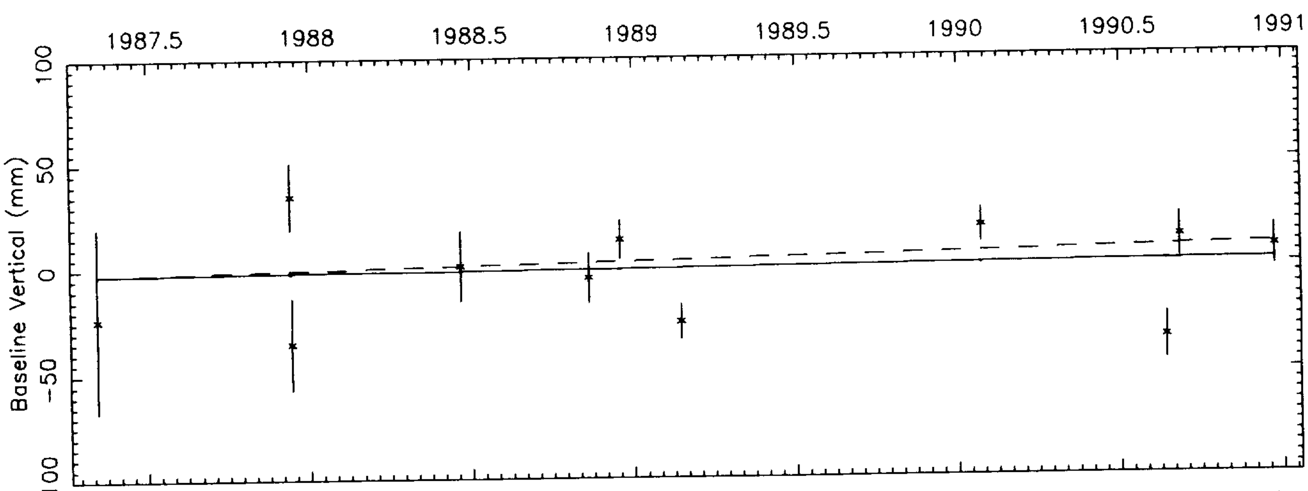


Observed Rate = −1.1 ± 2.7 mm/yr

NUVEL model rate = −2.3 mm/yr

Wrms of fit = 7.6 mm

Reduced Chi square = 3.93



Observed Rate = 1.1 ± 7.2 mm/yr

NUVEL model rate = 3.3 mm/yr

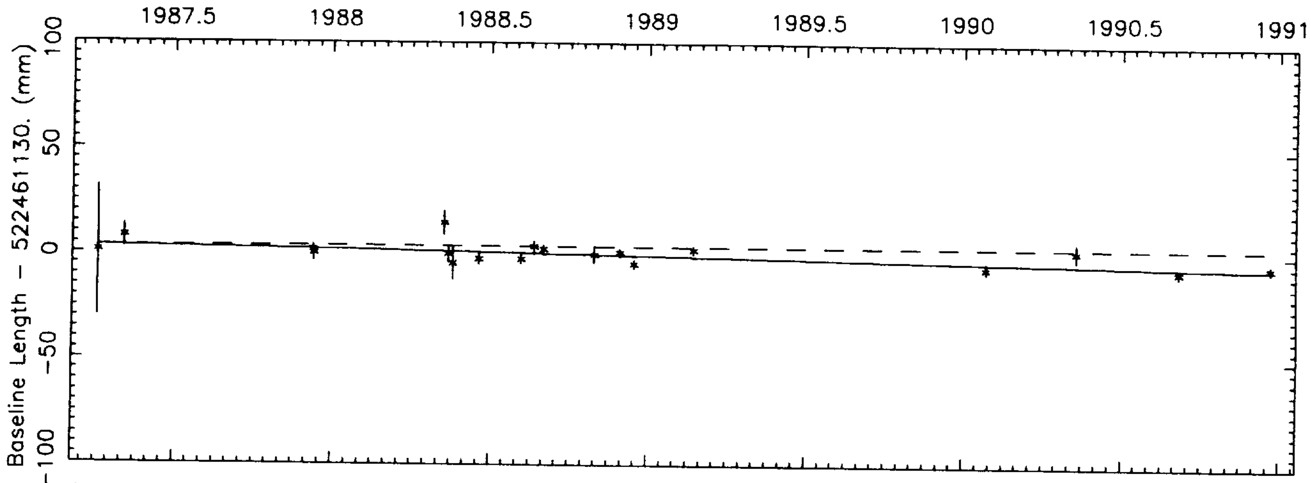
Wrms of fit = 20.6 mm

Reduced Chi square = 4.09

Vector baseline plots for MEDICINA-WETTZELL

Baseline length = 522 kilometers

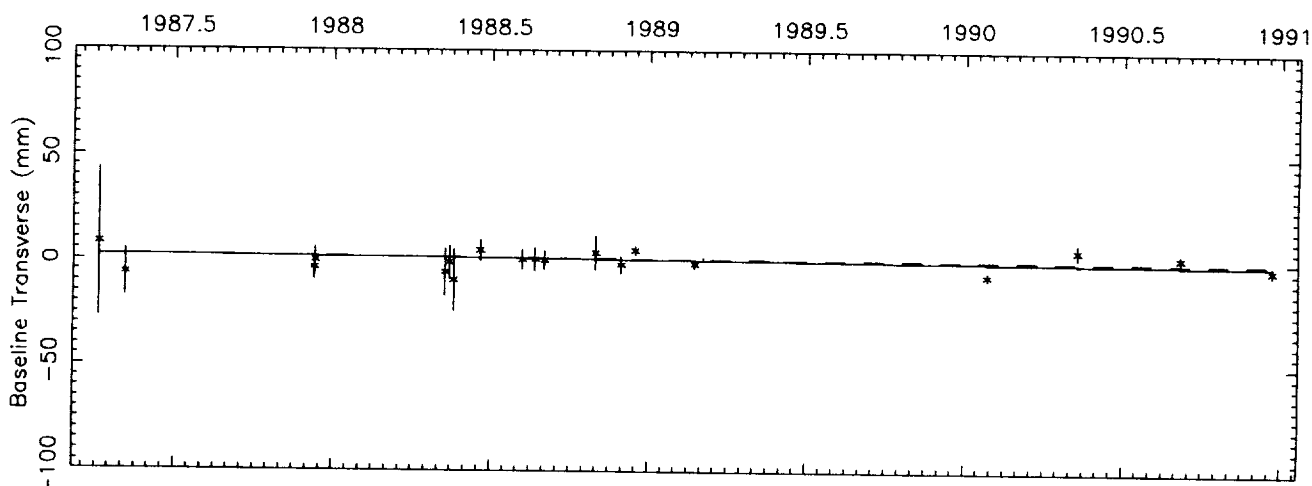
Number of sessions = 19



Observed Rate = -2.6 ± .7 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 2.9 mm
Weighted mean length = 522461127.8 mm

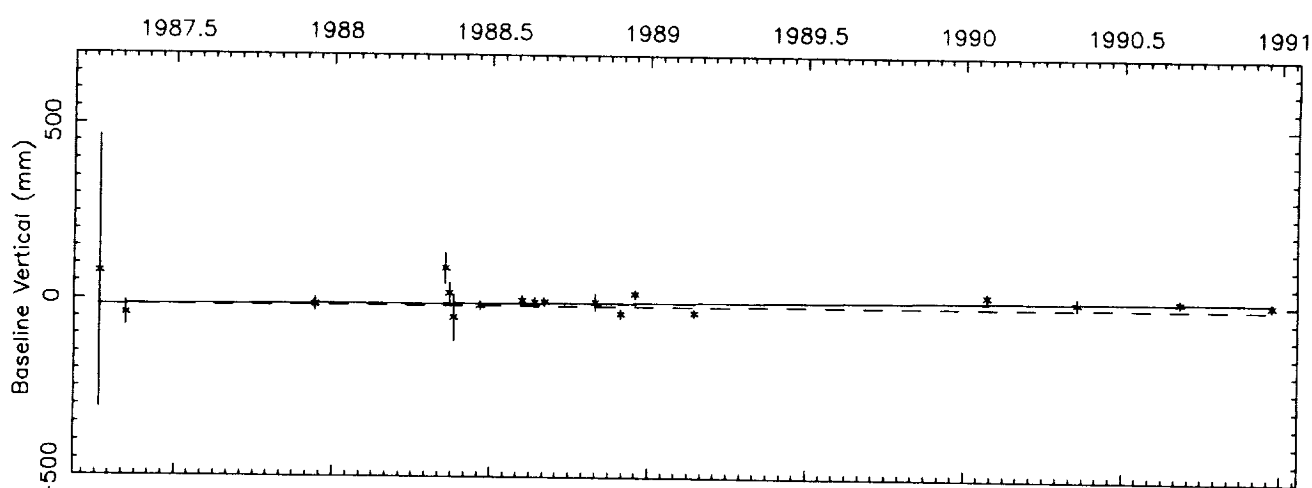
Reduced Chi square = 1.70



Observed Rate = -1.0 ± 1.1 mm/yr
NUVEL model rate = -.7 mm/yr

Wrms of fit = 3.9 mm

Reduced Chi square = 1.73



Observed Rate = 7.0 ± 4.6 mm/yr
NUVEL model rate = 1.5 mm/yr

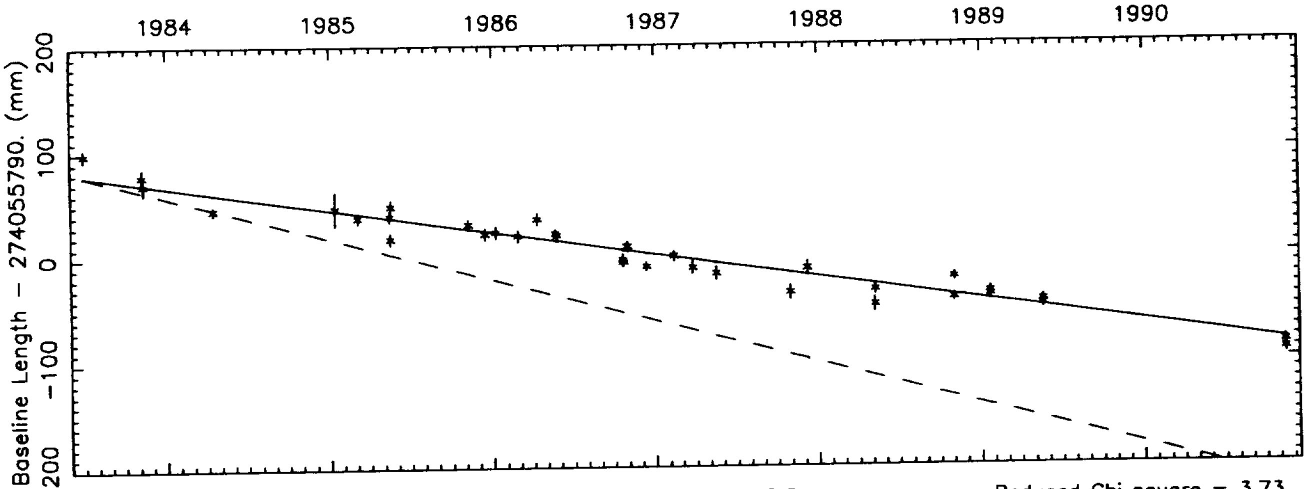
Wrms of fit = 18.8 mm

Reduced Chi square = 3.08

Vector baseline plots for MOJAVE12–MON PEAK

Baseline length = 274 kilometers

Number of sessions = 36



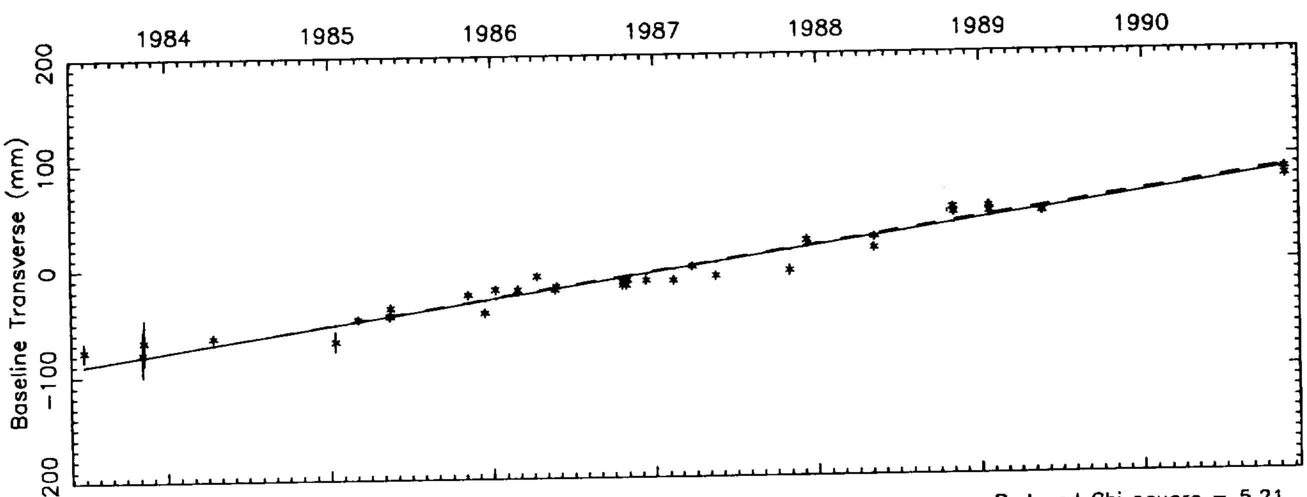
Observed Rate = –21.9 ± .9 mm/yr

NUVEL model rate = –39.9 mm/yr

Wrms of fit = 9.6 mm

Weighted mean length = 274055787.9 mm

Reduced Chi square = 3.73

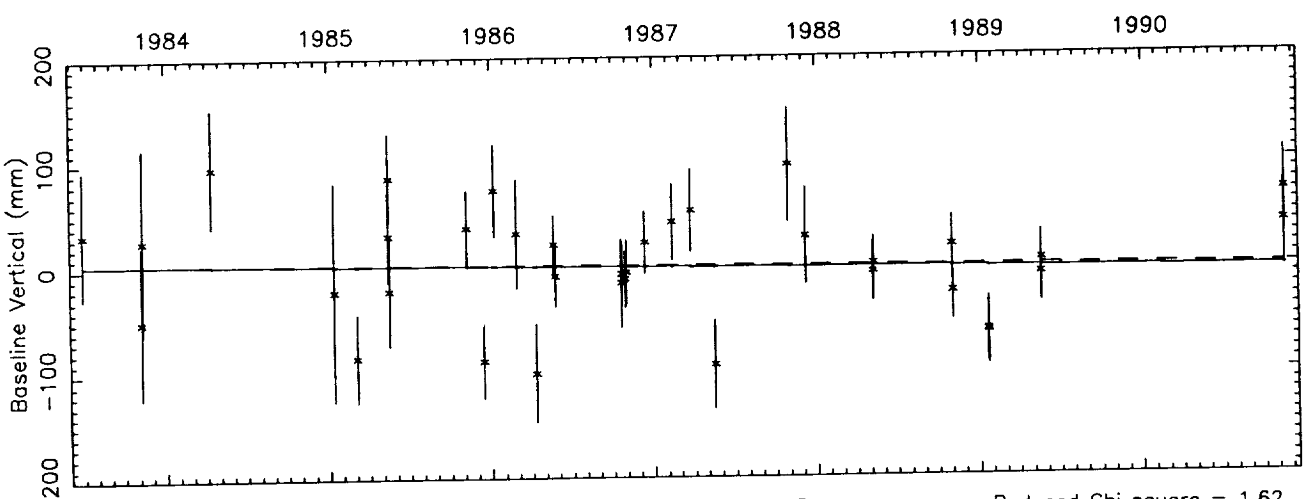


Observed Rate = 23.7 ± .9 mm/yr

NUVEL model rate = 24.1 mm/yr

Wrms of fit = 7.8 mm

Reduced Chi square = 5.21



Observed Rate = –1.1 ± 4.8 mm/yr

NUVEL model rate = –.7 mm/yr

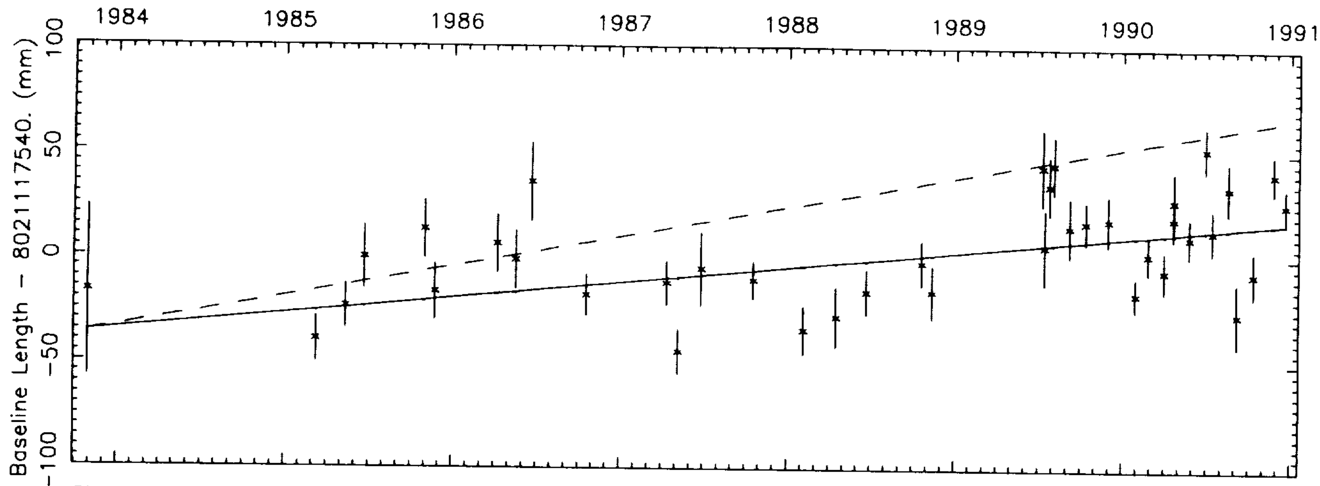
Wrms of fit = 44.0 mm

Reduced Chi square = 1.62

Vector baseline plots for MOJAVE12-ONSALA60

Baseline length = 8021 kilometers

Number of sessions = 39



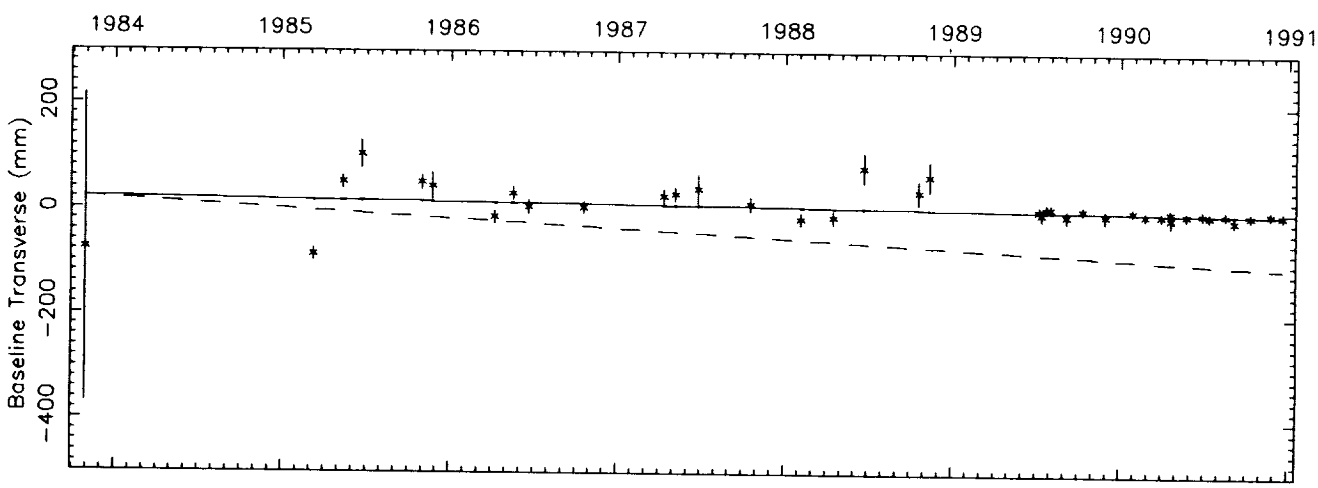
Observed Rate = 7.5 ± 1.8 mm/yr

NUVEL model rate = 14.4 mm/yr

Wrms of fit = 20.0 mm

Weighted mean length = 8021117541.9 mm

Reduced Chi square = 3.25

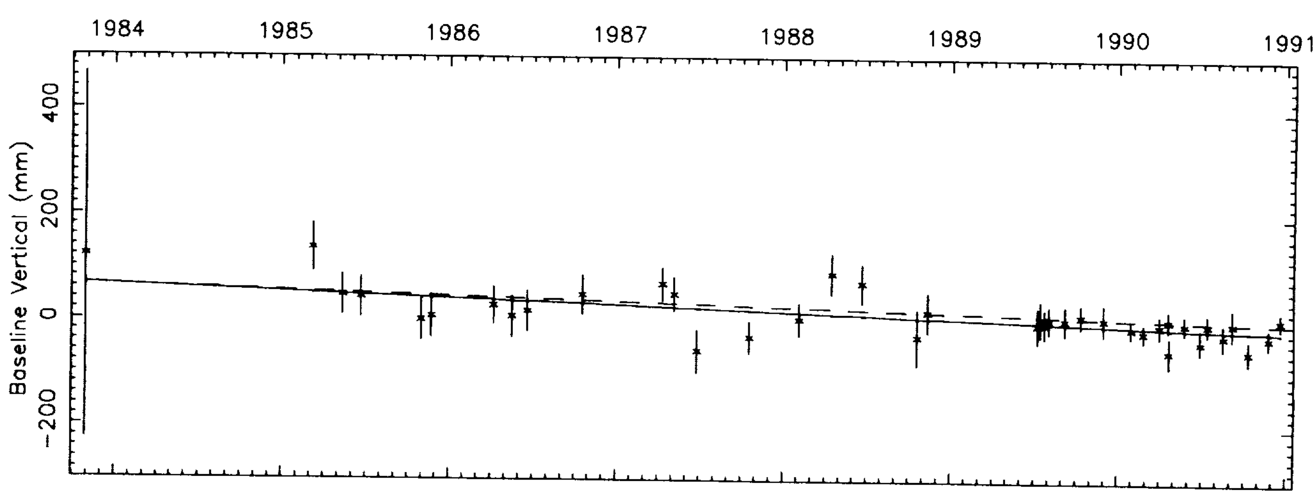


Observed Rate = -3.6 ± 2.0 mm/yr

NUVEL model rate = -17.9 mm/yr

Wrms of fit = 18.2 mm

Reduced Chi square = 3.50



Observed Rate = -11.5 ± 2.7 mm/yr

NUVEL model rate = -9.3 mm/yr

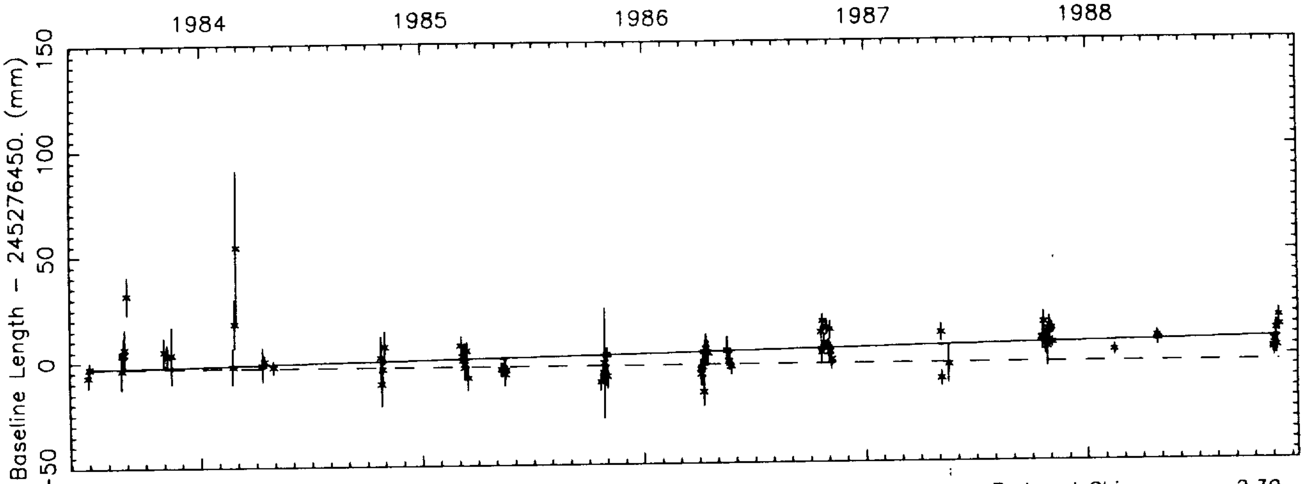
Wrms of fit = 25.3 mm

Reduced Chi square = .94

Vector baseline plots for MOJAVE12–OVRO 130

Baseline length = 245 kilometers

Number of sessions = 80



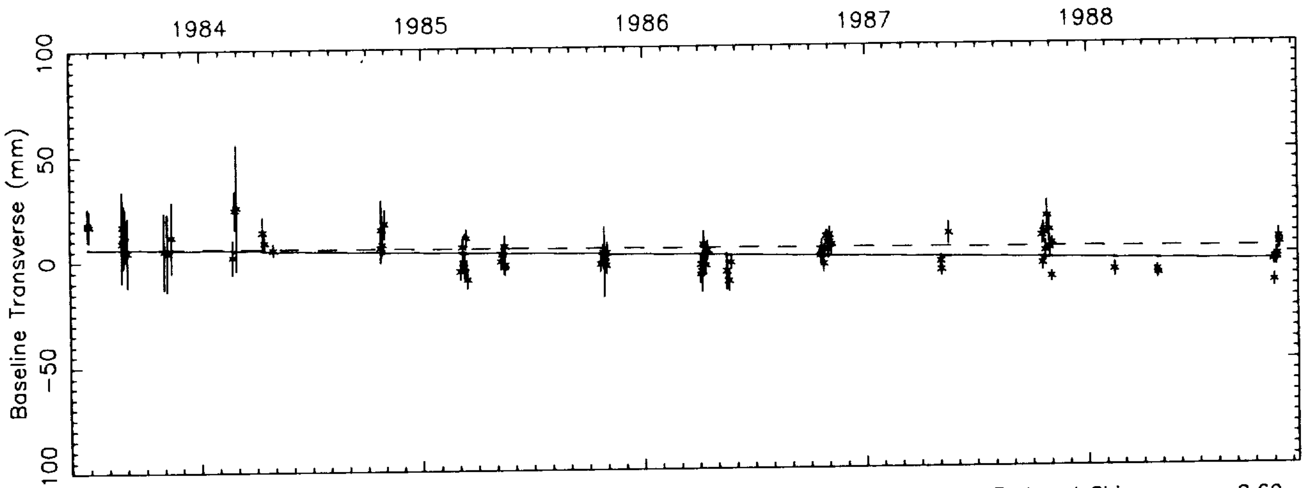
Observed Rate = 2.1 ± .4 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.2 mm

Weighted mean length = 245276453.5 mm

Reduced Chi square = 2.39

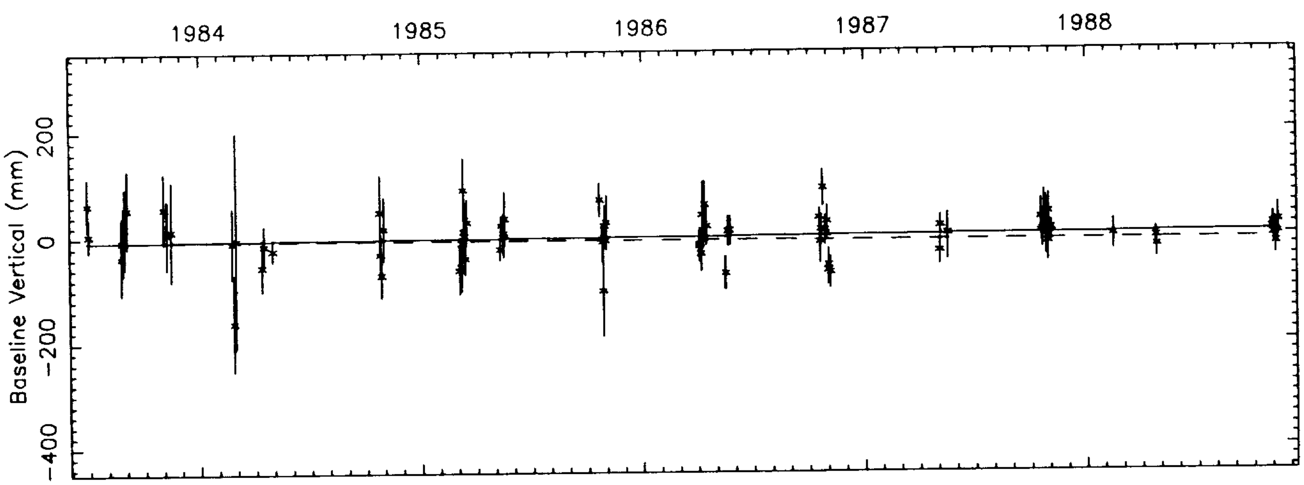


Observed Rate = –1.8 ± .5 mm/yr

NUVEL model rate = –.6 mm/yr

Wrms of fit = 6.3 mm

Reduced Chi square = 2.60



Observed Rate = 2.2 ± 2.1 mm/yr

NUVEL model rate = –.2 mm/yr

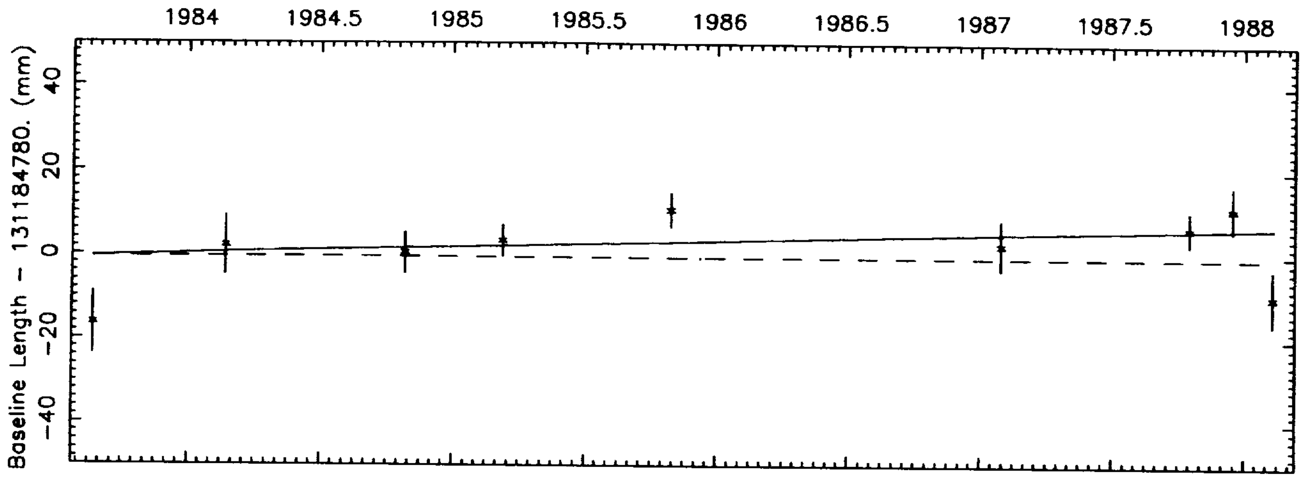
Wrms of fit = 26.9 mm

Reduced Chi square = 1.00

Vector baseline plots for MOJAVE12−PBLOSSOM

Baseline length = 131 kilometers

Number of sessions = 9



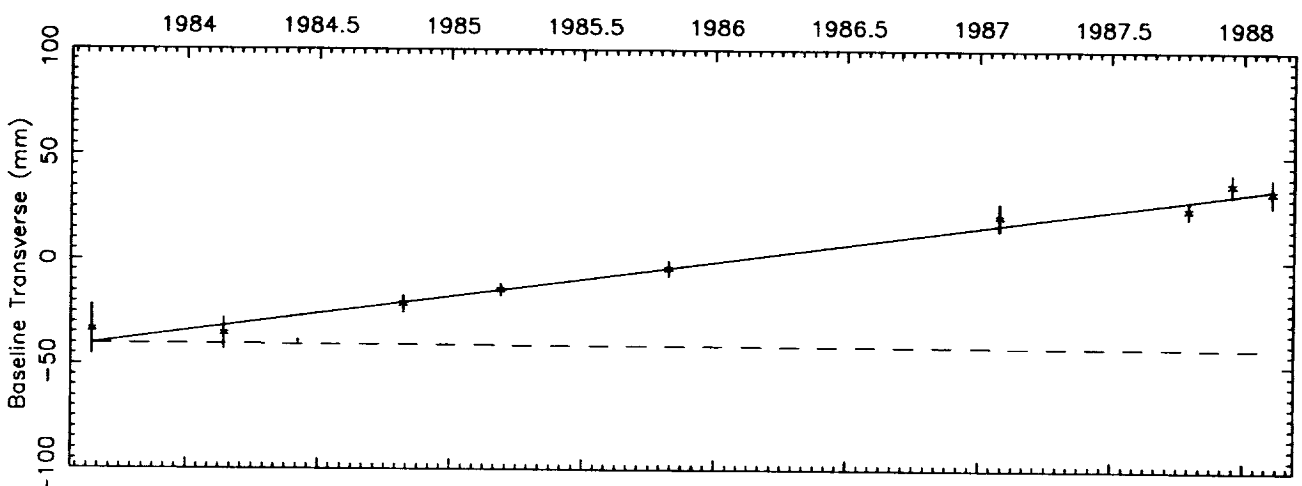
Observed Rate = 1.7 ± 1.7 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.6 mm

Weighted mean length = 131184783.6 mm

Reduced Chi square = 2.19

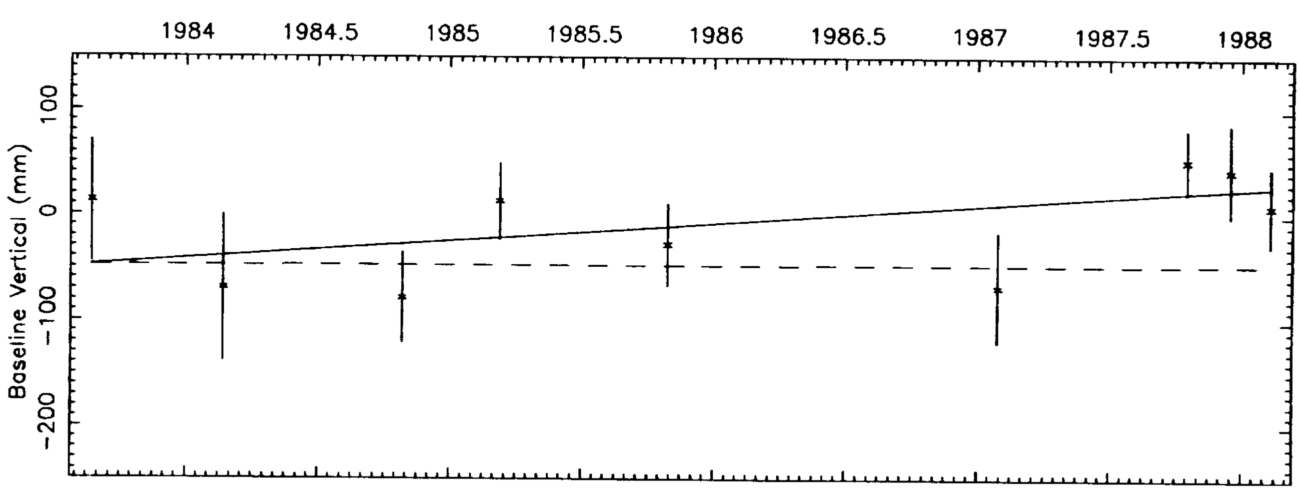


Observed Rate = 16.7 ± .8 mm/yr

NUVEL model rate = −.3 mm/yr

Wrms of fit = 2.7 mm

Reduced Chi square = .40



Observed Rate = 17.0 ± 9.6 mm/yr

NUVEL model rate = .4 mm/yr

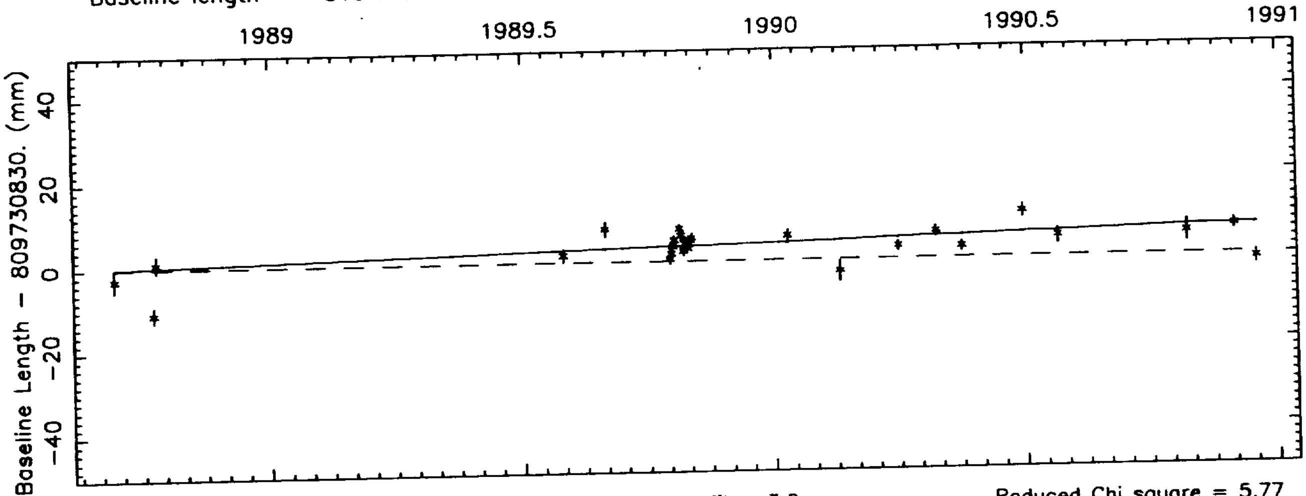
Wrms of fit = 38.0 mm

Reduced Chi square = 1.06

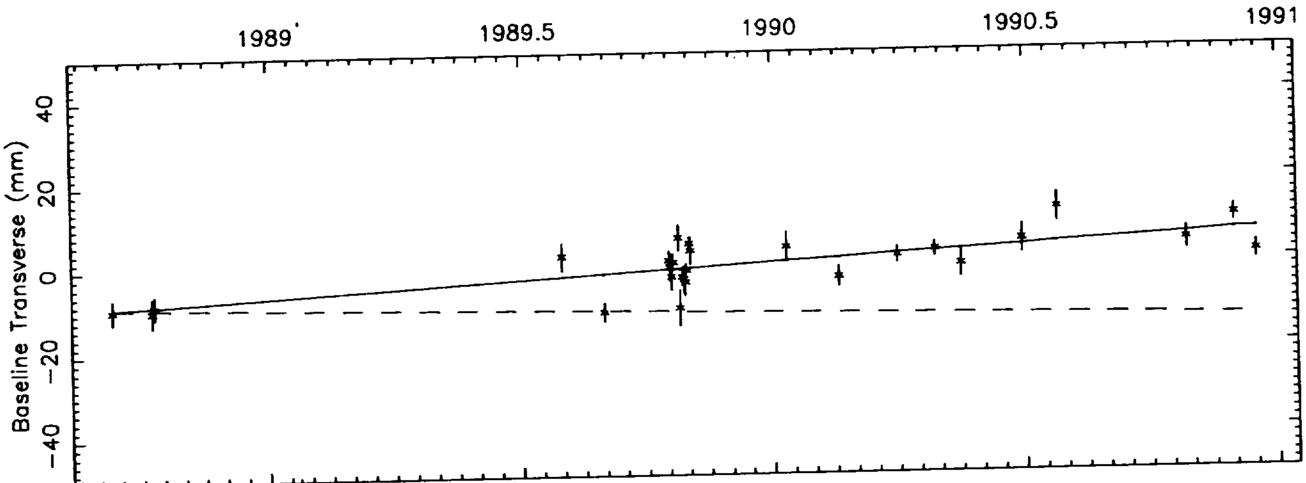
Vector baseline plots for MOJAVE12–PIETOWN

Baseline length = 810 kilometers

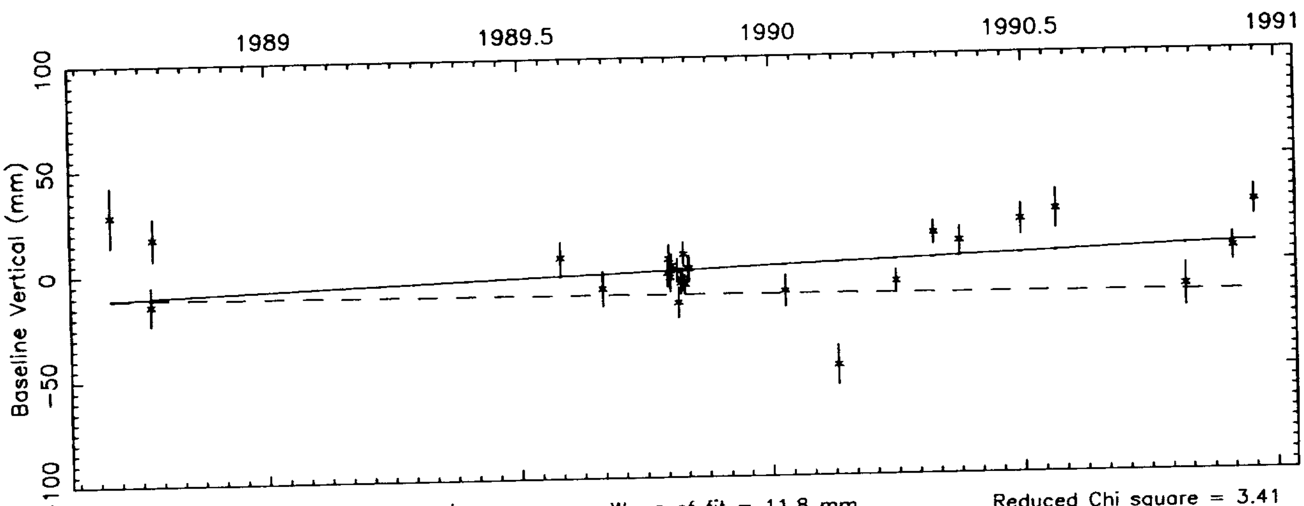
Number of sessions = 27



Observed Rate = 3.1 ± 1.4 mm/yr
NUVEL model rate = .0 mm/yr
Wrms of fit = 3.0 mm
Weighted mean length = 809730833.9 mm
Reduced Chi square = 5.77



Observed Rate = 6.8 ± 1.5 mm/yr
NUVEL model rate = –2.2 mm/yr
Wrms of fit = 3.9 mm
Reduced Chi square = 2.69

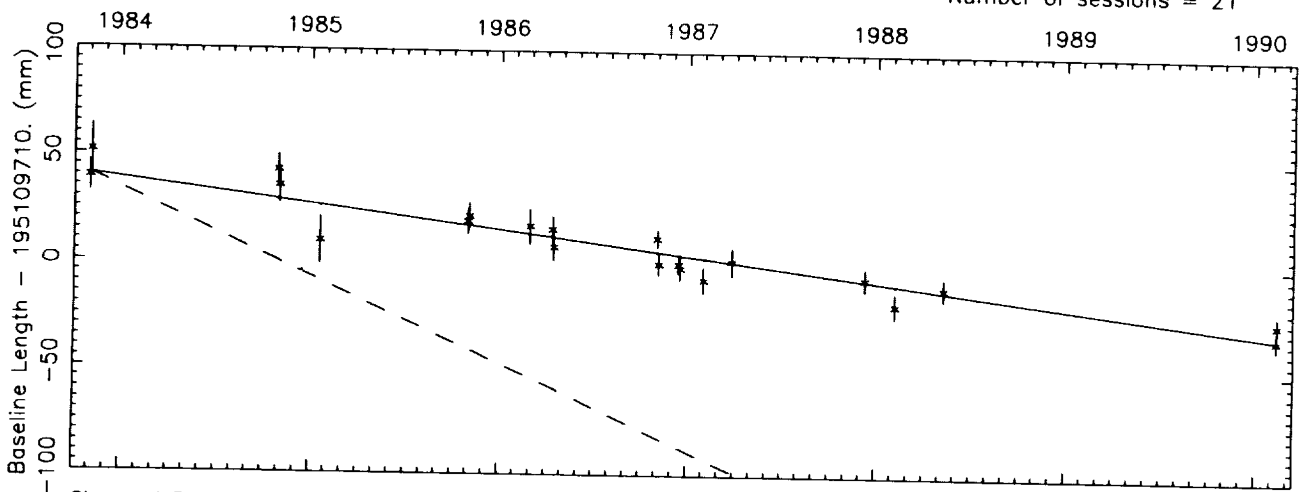


Observed Rate = 8.7 ± 5.4 mm/yr
NUVEL model rate = –1.5 mm/yr
Wrms of fit = 11.8 mm
Reduced Chi square = 3.41

Vector baseline plots for MOJAVE12–PINFLATS

Baseline length = 195 kilometers

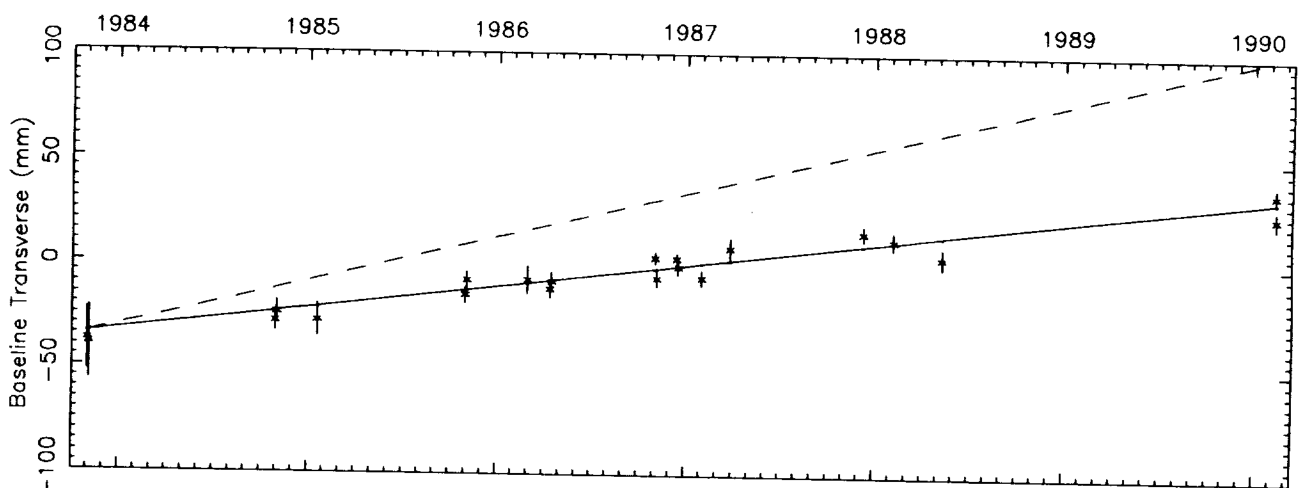
Number of sessions = 21



Observed Rate = –11.6 ± .9 mm/yr
NUVEL model rate = –40.8 mm/yr

Wrms of fit = 6.0 mm
Weighted mean length = 195109710.9 mm

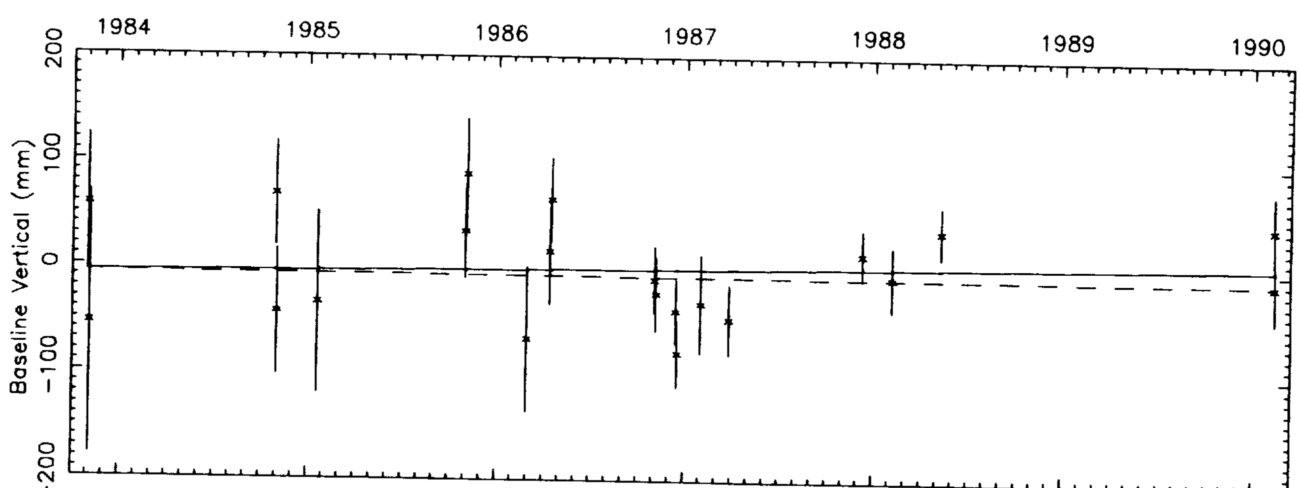
Reduced Chi square = 1.24



Observed Rate = 10.7 ± .8 mm/yr
NUVEL model rate = 21.5 mm/yr

Wrms of fit = 4.8 mm

Reduced Chi square = 1.46



Observed Rate = 1.7 ± 6.9 mm/yr
NUVEL model rate = –.5 mm/yr

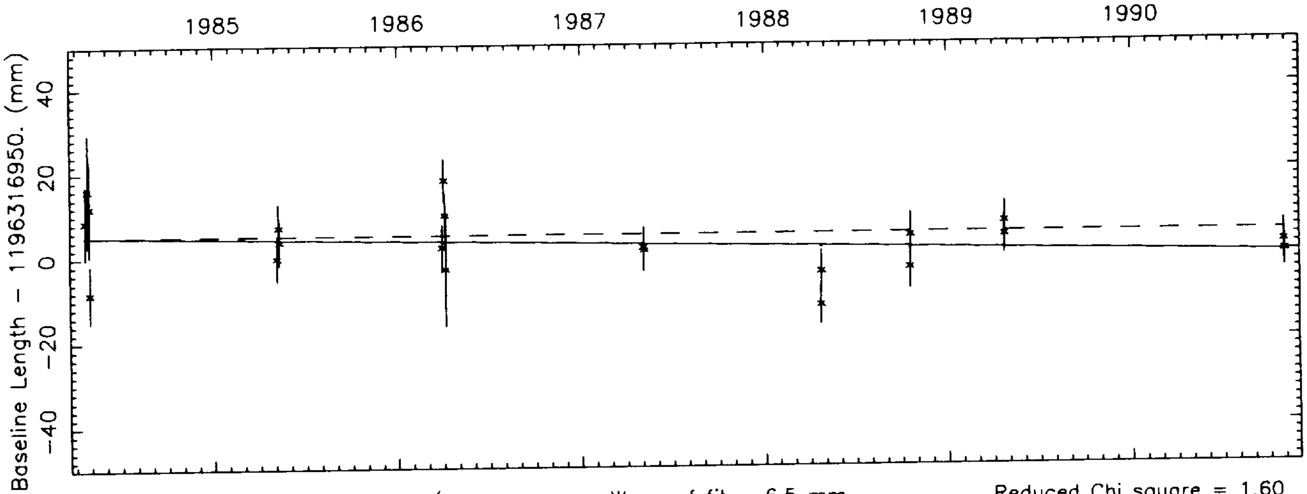
Wrms of fit = 42.4 mm

Reduced Chi square = 1.40

Vector baseline plots for MOJAVE12–PLATTVIL

Baseline length = 1196 kilometers

Number of sessions = 21



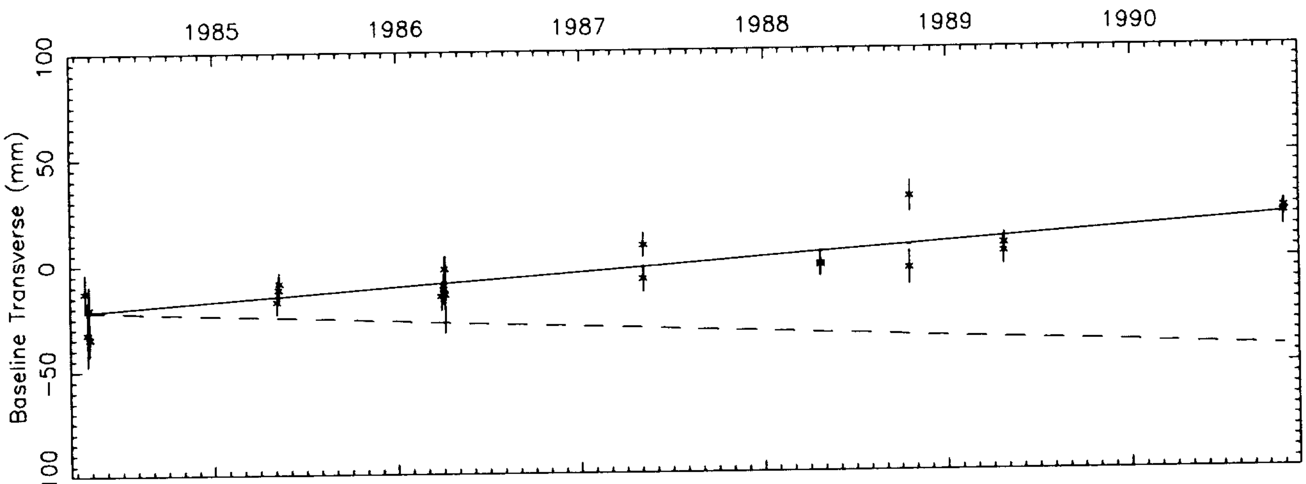
Observed Rate = –.8 ± .8 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.5 mm

Weighted mean length = 1196316952.2 mm

Reduced Chi square = 1.60

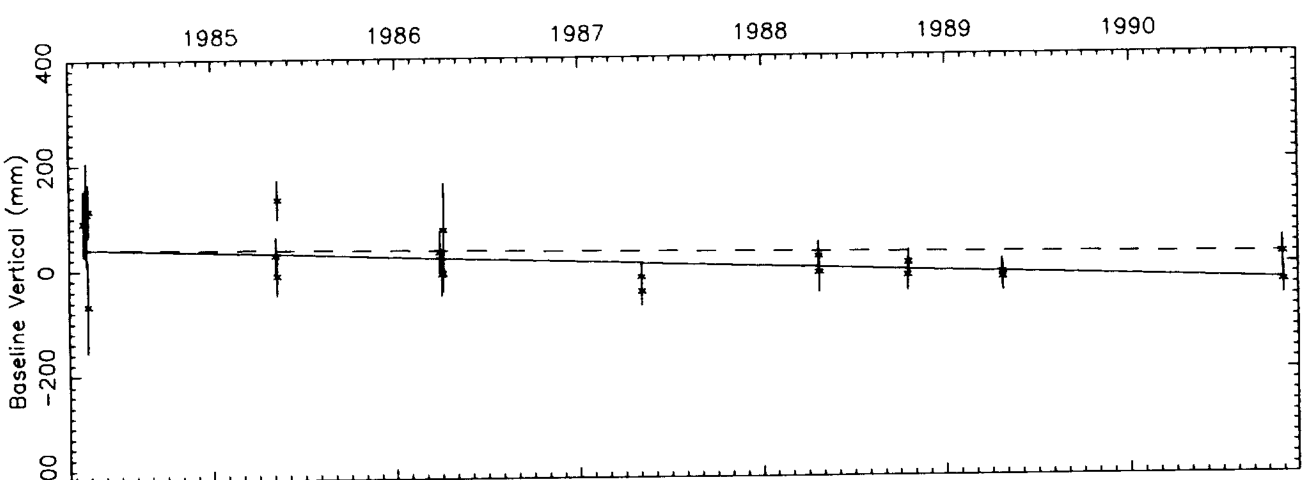


Observed Rate = 6.4 ± .8 mm/yr

NUVEL model rate = –3.1 mm/yr

Wrms of fit = 7.3 mm

Reduced Chi square = 1.46



Observed Rate = –11.0 ± 4.4 mm/yr

NUVEL model rate = –3.2 mm/yr

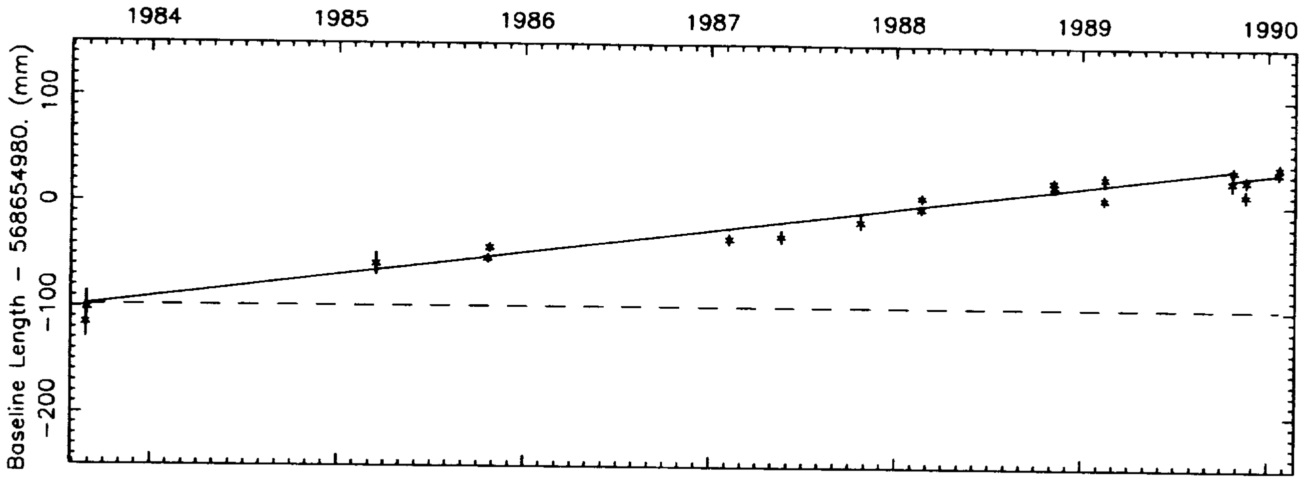
Wrms of fit = 35.9 mm

Reduced Chi square = 1.22

Vector baseline plots for MOJAVE12-PRESIDIO

Baseline length = 569 kilometers

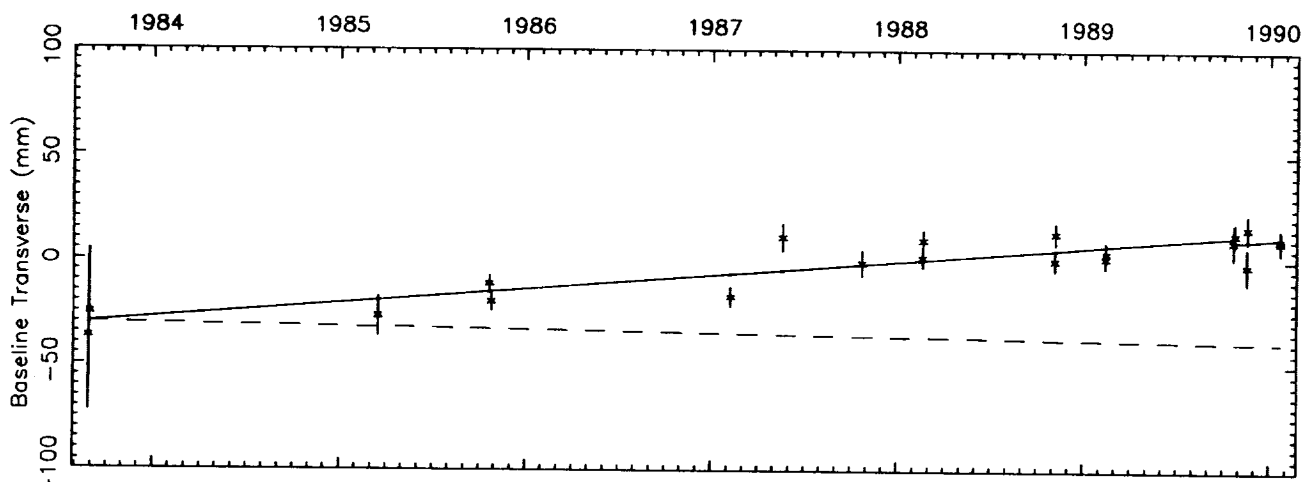
Number of sessions = 20



Observed Rate = 21.7 ± 1.7 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 7.9 mm
Weighted mean length = 568654978.3 mm
Offset = -8.2 ± 5.8 mm

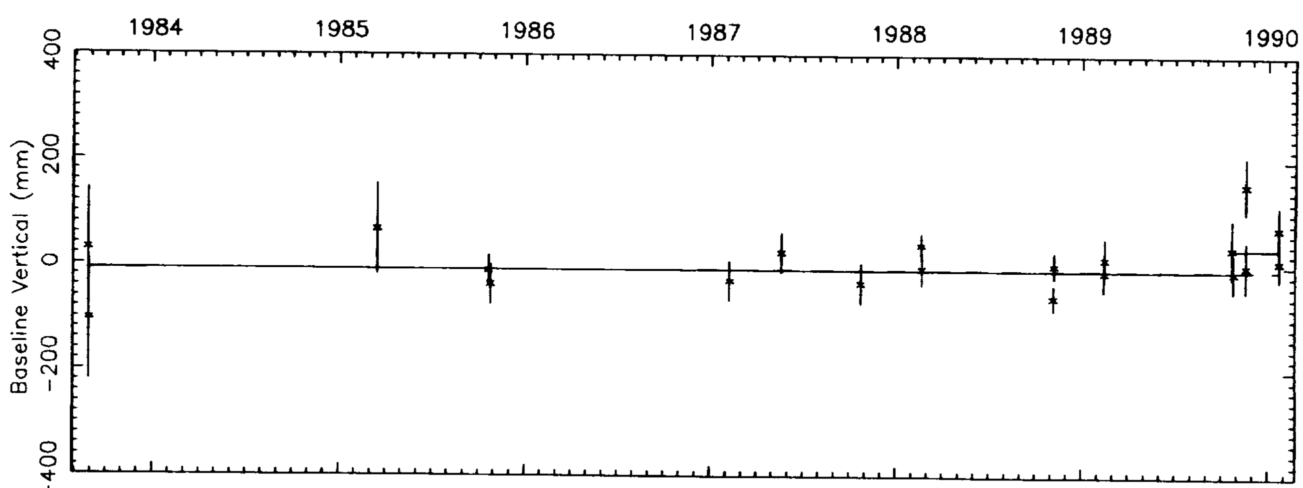
Reduced Chi square = 2.78



Observed Rate = 6.8 ± 1.4 mm/yr
NUVEL model rate = -1.4 mm/yr

Wrms of fit = 6.5 mm
Offset = -2.4 ± 4.9 mm

Reduced Chi square = 1.50



Observed Rate = .1 ± 8.4 mm/yr
NUVEL model rate = .4 mm/yr

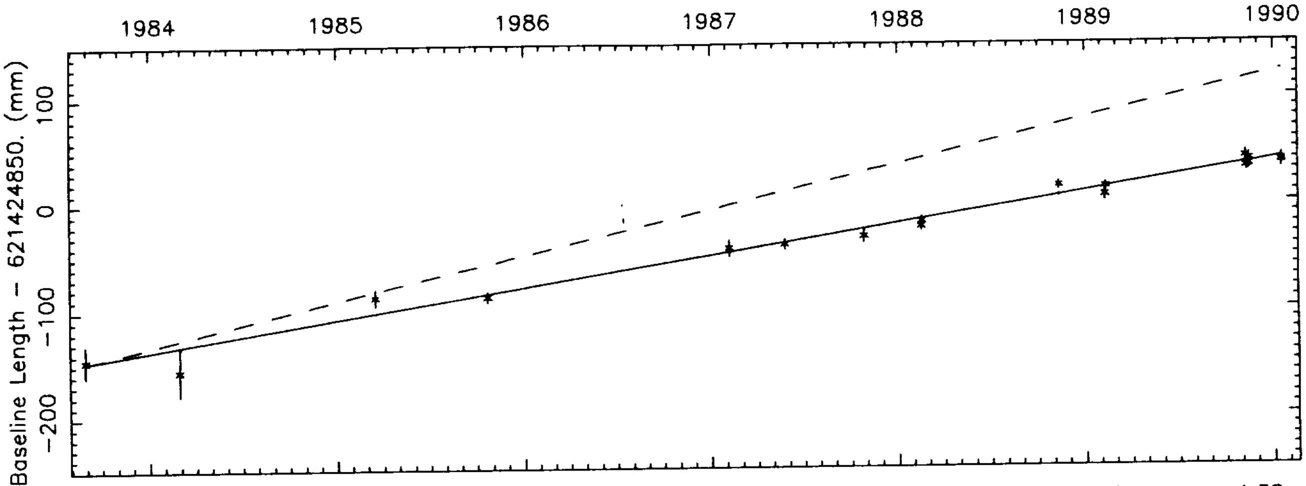
Wrms of fit = 37.7 mm
Offset = 41.7 ± 28.4 mm

Reduced Chi square = 1.28

Vector baseline plots for MOJAVE12–PT REYES

Baseline length = 621 kilometers

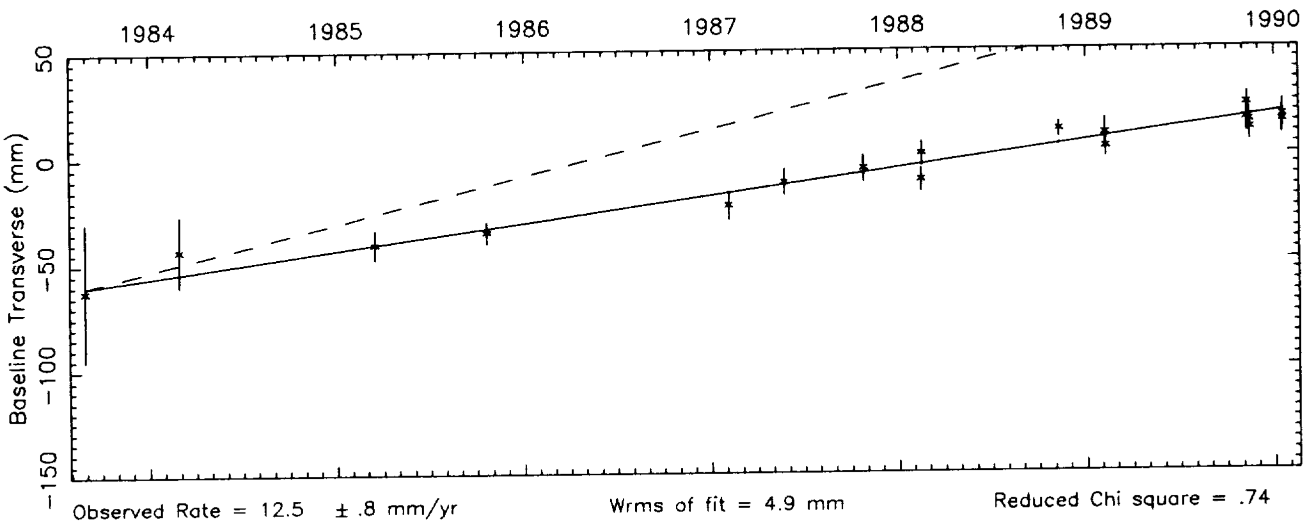
Number of sessions = 18



Observed Rate = 29.3 ± 1.1 mm/yr
NUVEL model rate = 42.3 mm/yr

Wrms of fit = 5.8 mm
Weighted mean length = 621424848.9 mm

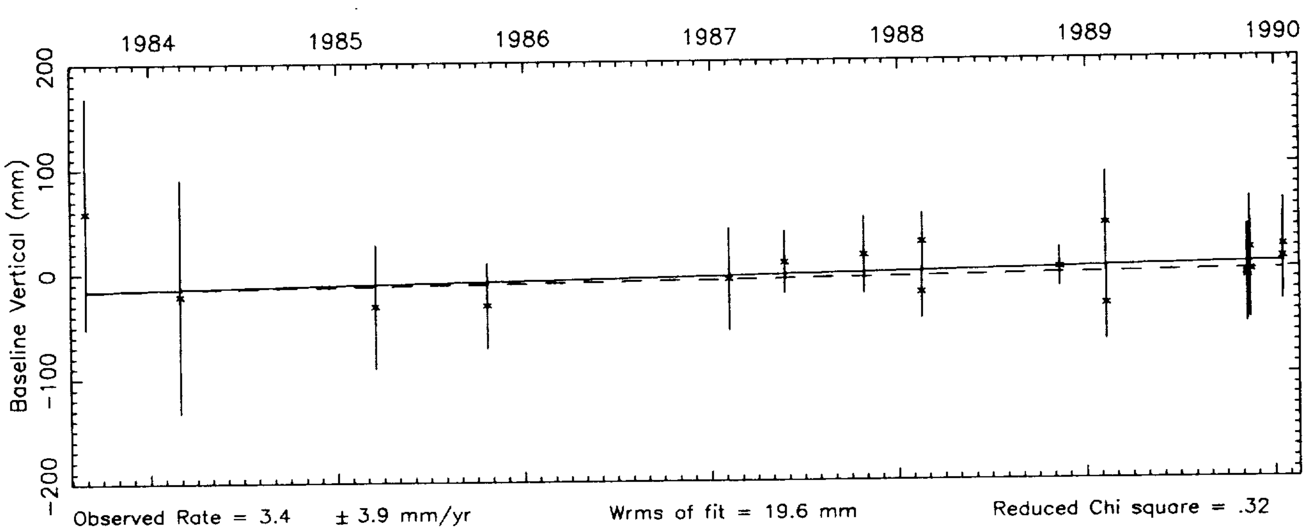
Reduced Chi square = 1.38



Observed Rate = 12.5 ± .8 mm/yr
NUVEL model rate = 21.9 mm/yr

Wrms of fit = 4.9 mm

Reduced Chi square = .74



Observed Rate = 3.4 ± 3.9 mm/yr
NUVEL model rate = 2.4 mm/yr

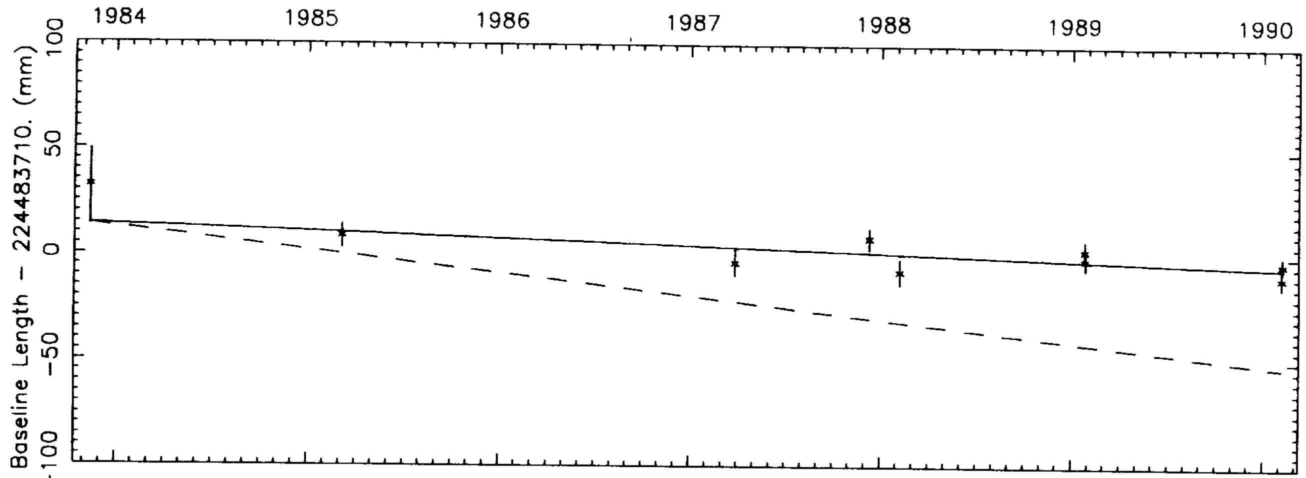
Wrms of fit = 19.6 mm

Reduced Chi square = .32

Vector baseline plots for MOJAVE12-PVERDES

Baseline length = 224 kilometers

Number of sessions = 9



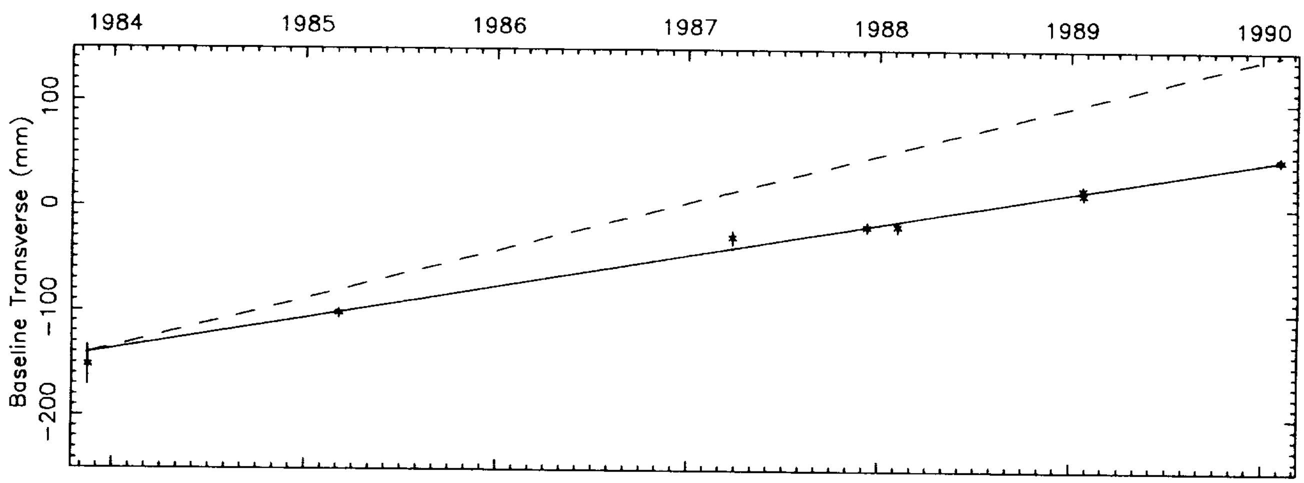
Observed Rate = -3.1 ± 1.2 mm/yr

NUVEL model rate = -10.7 mm/yr

Wrms of fit = 5.1 mm

Weighted mean length = 224483709.4 mm

Reduced Chi square = 1.18

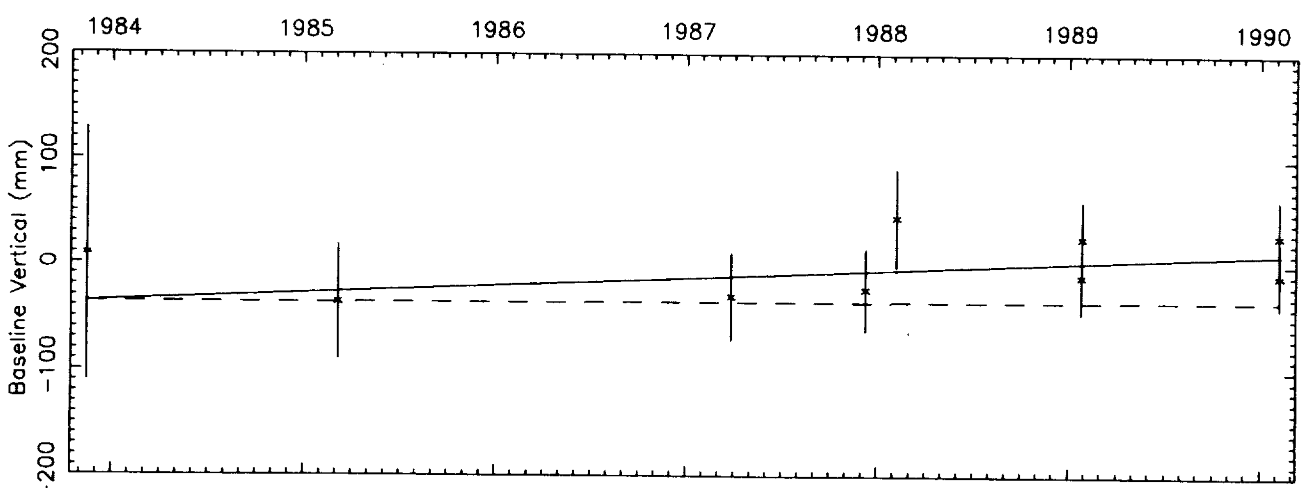


Observed Rate = 30.0 ± .8 mm/yr

NUVEL model rate = 46.1 mm/yr

Wrms of fit = 3.5 mm

Reduced Chi square = .61



Observed Rate = 7.6 ± 6.1 mm/yr

NUVEL model rate = .4 mm/yr

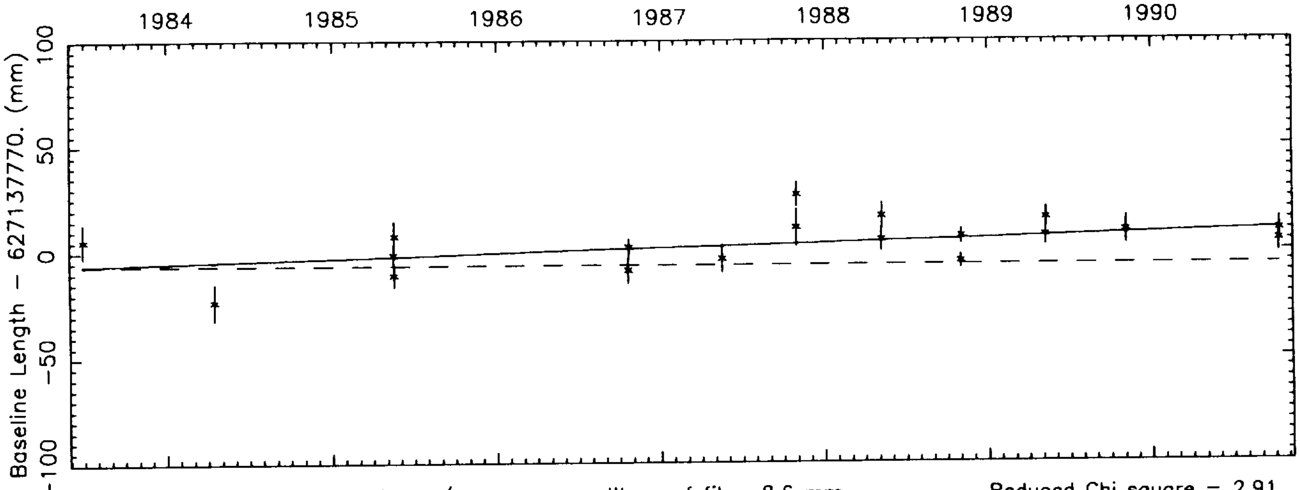
Wrms of fit = 23.0 mm

Reduced Chi square = .43

Vector baseline plots for MOJAVE12–QUINCY

Baseline length = 627 kilometers

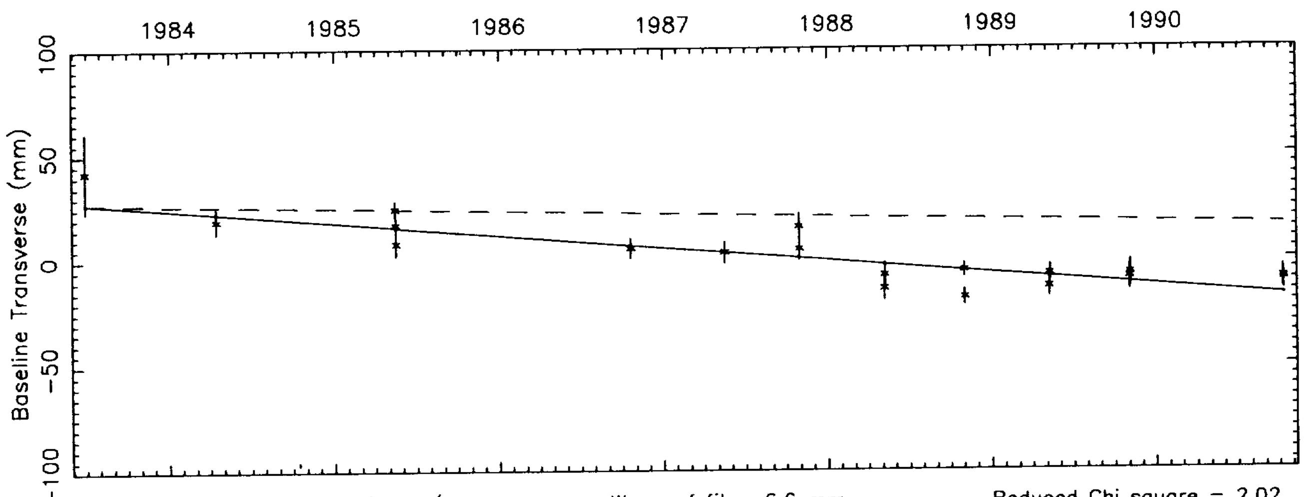
Number of sessions = 20



Observed Rate = 2.2 ± 1.1 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 8.6 mm
Weighted mean length = 627137773.9 mm

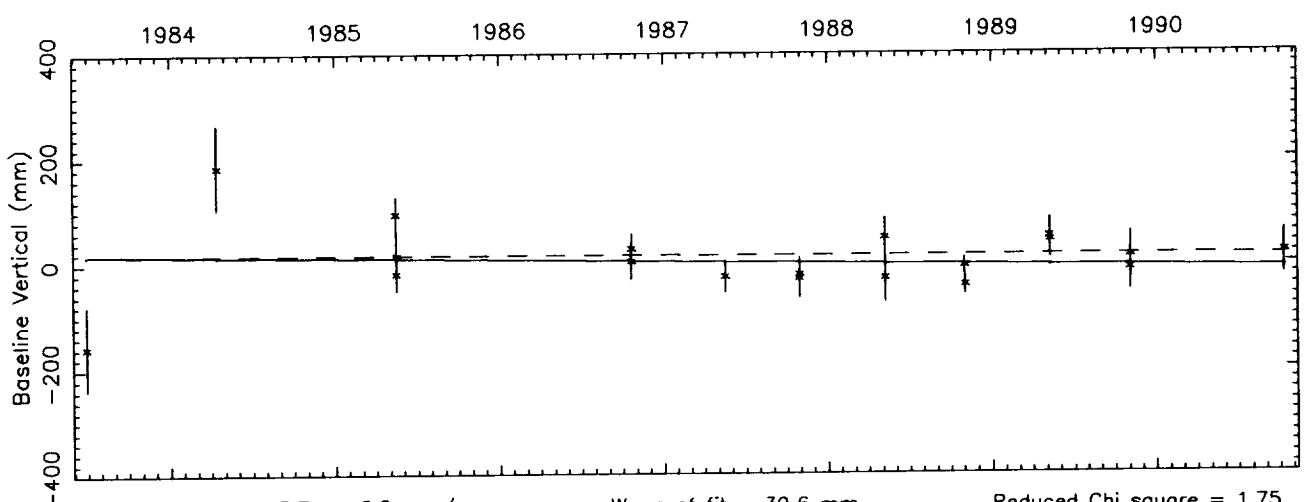
Reduced Chi square = 2.91



Observed Rate = –6.1 ± .9 mm/yr
NUVEL model rate = –1.5 mm/yr

Wrms of fit = 6.6 mm

Reduced Chi square = 2.02



Observed Rate = –3.7 ± 6.2 mm/yr
NUVEL model rate = –.3 mm/yr

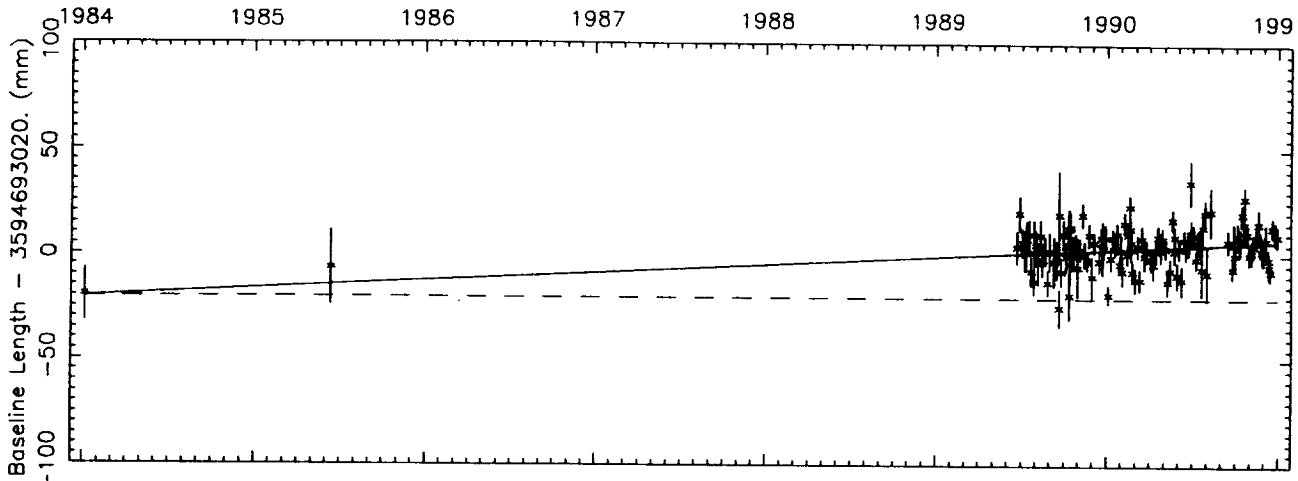
Wrms of fit = 39.6 mm

Reduced Chi square = 1.75

Vector baseline plots for MOJAVE12–RICHMOND

Baseline length = 3595 kilometers

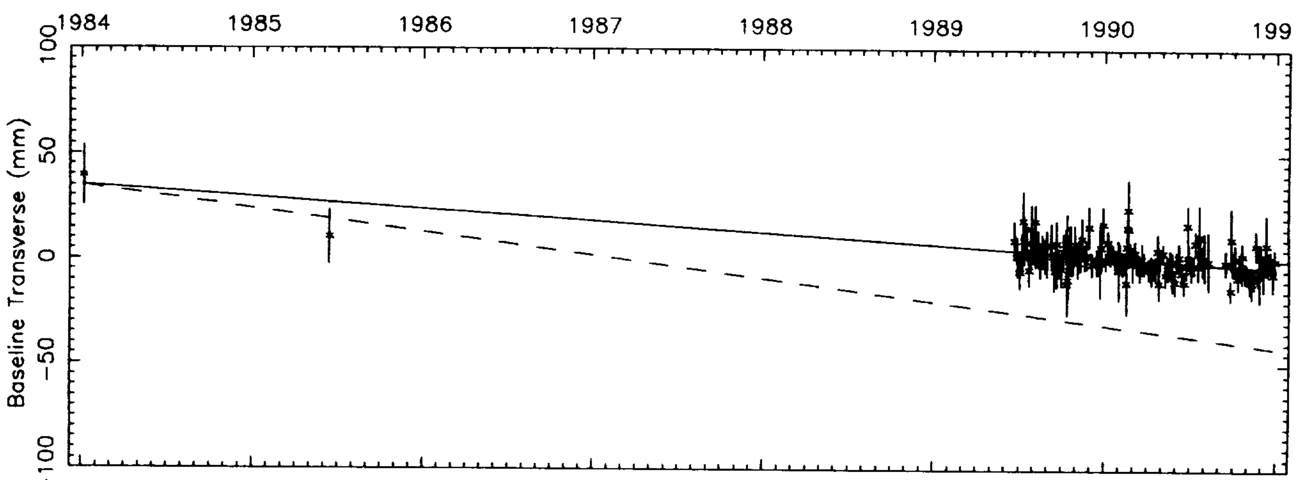
Number of sessions = 124



Observed Rate = 3.9 ± 1.5 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 8.7 mm
Weighted mean length = 3594693023.7 mm

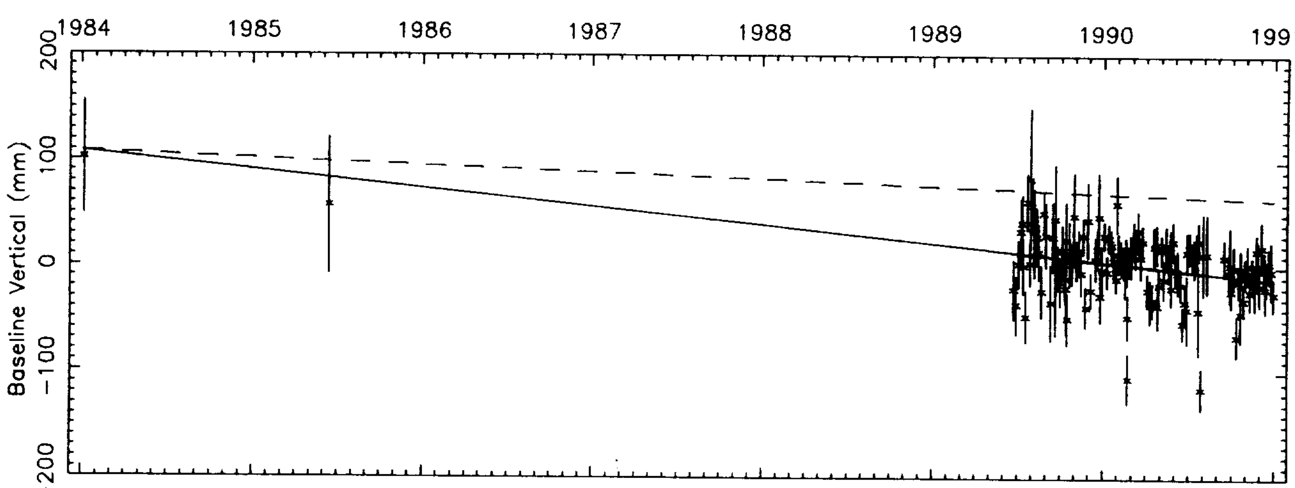
Reduced Chi square = 2.12



Observed Rate = −5.5 ± .9 mm/yr
NUVEL model rate = −11.0 mm/yr

Wrms of fit = 5.4 mm

Reduced Chi square = .68



Observed Rate = −17.2 ± 4.9 mm/yr
NUVEL model rate = −6.3 mm/yr

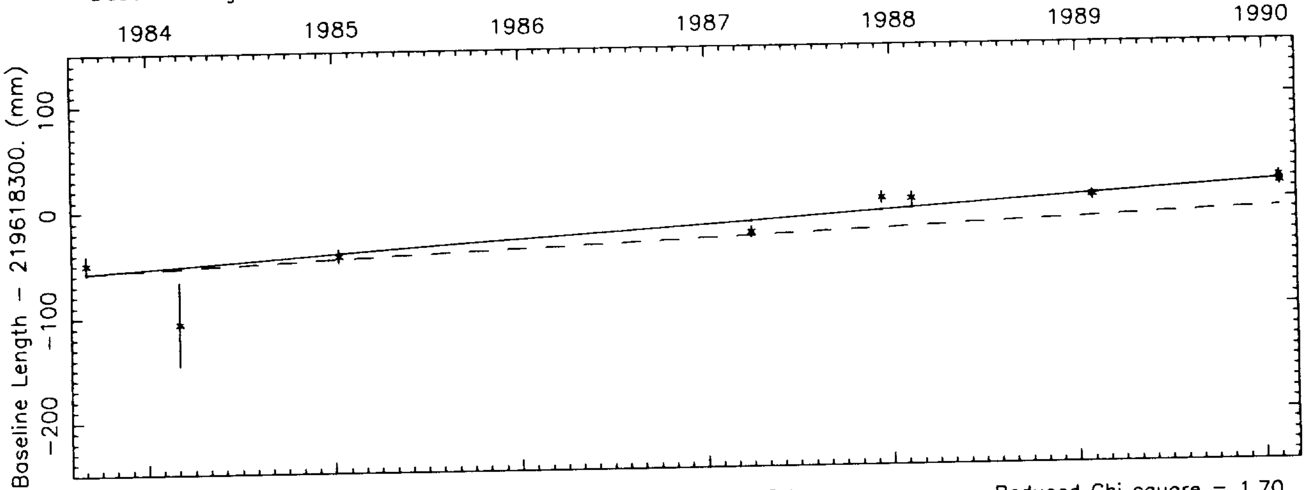
Wrms of fit = 25.5 mm

Reduced Chi square = 1.75

Vector baseline plots for MOJAVE12–SANPAULA

Baseline length = 220 kilometers

Number of sessions = 10



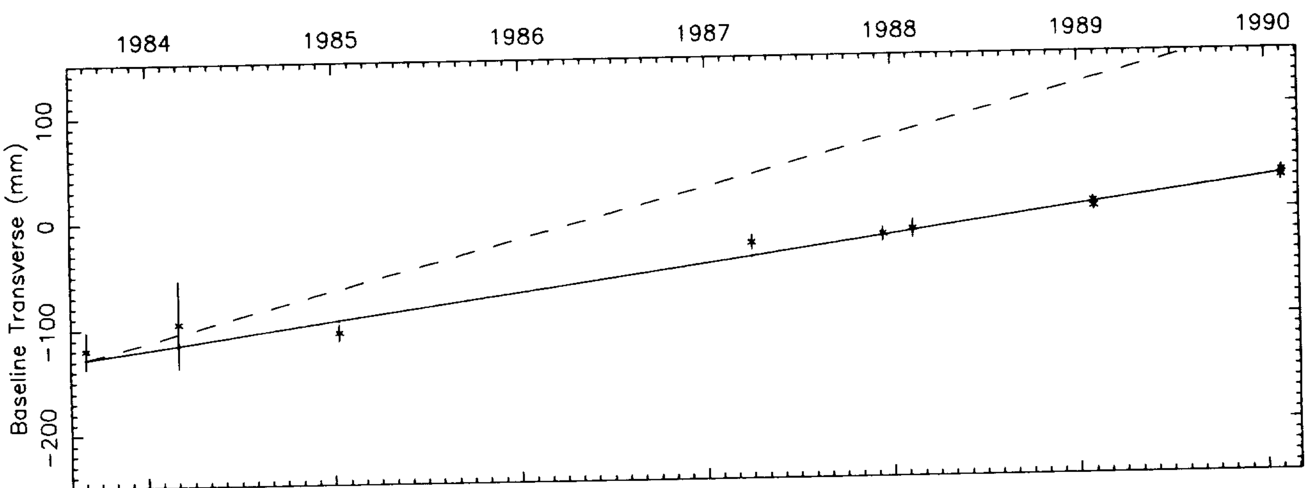
Observed Rate = 11.6 ± 1.4 mm/yr

NUVEL model rate = 7.7 mm/yr

Wrms of fit = 6.1 mm

Weighted mean length = 219618299.1 mm

Reduced Chi square = 1.70

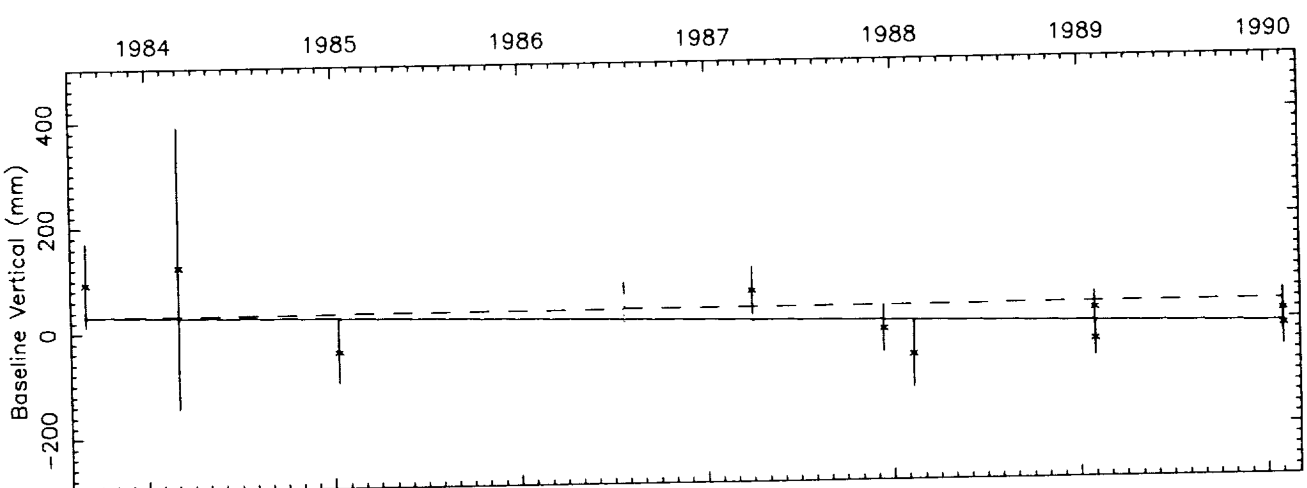


Observed Rate = 24.9 ± 1.3 mm/yr

NUVEL model rate = 46.7 mm/yr

Wrms of fit = 5.3 mm

Reduced Chi square = .98



Observed Rate = −6.3 ± 8.3 mm/yr

NUVEL model rate = .7 mm/yr

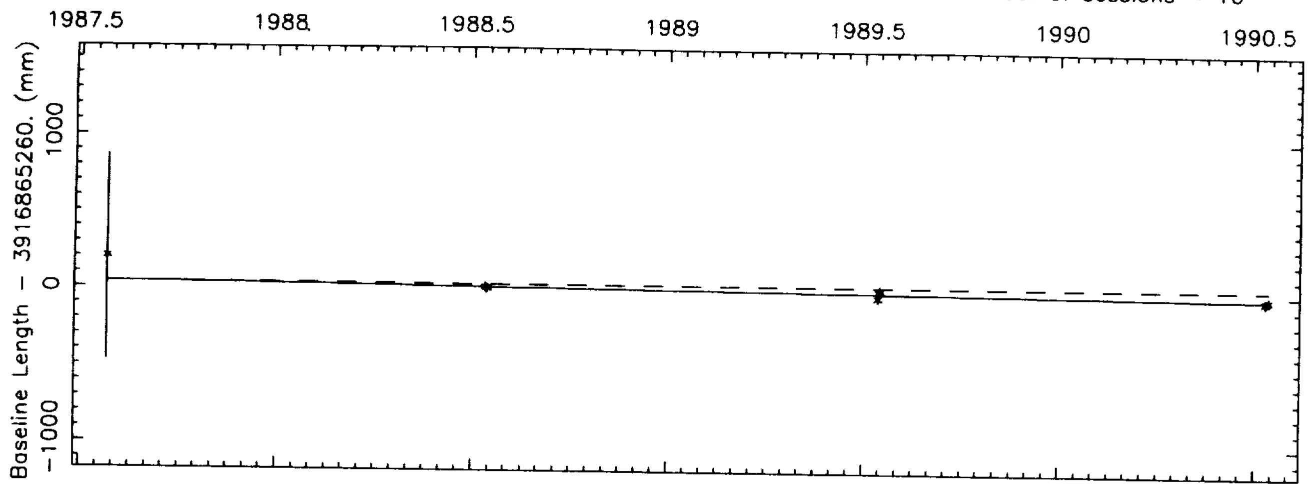
Wrms of fit = 37.0 mm

Reduced Chi square = .82

Vector baseline plots for MOJAVE12–SNDPOINT

Baseline length = 3917 kilometers

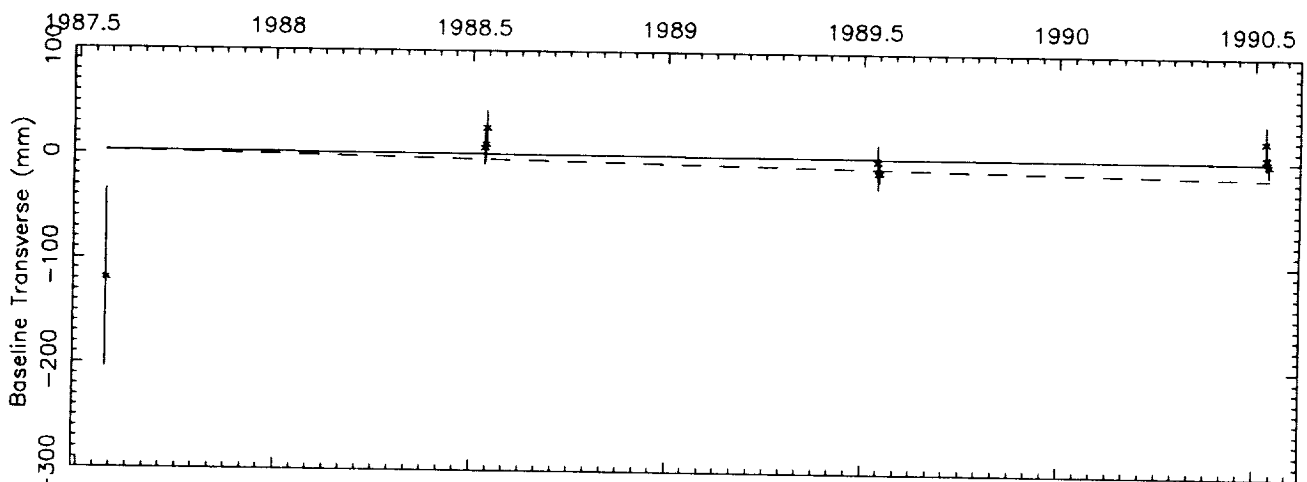
Number of sessions = 10



Observed Rate = –20.9 ± 6.4 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 14.3 mm
Weighted mean length = 3916865258.2 mm

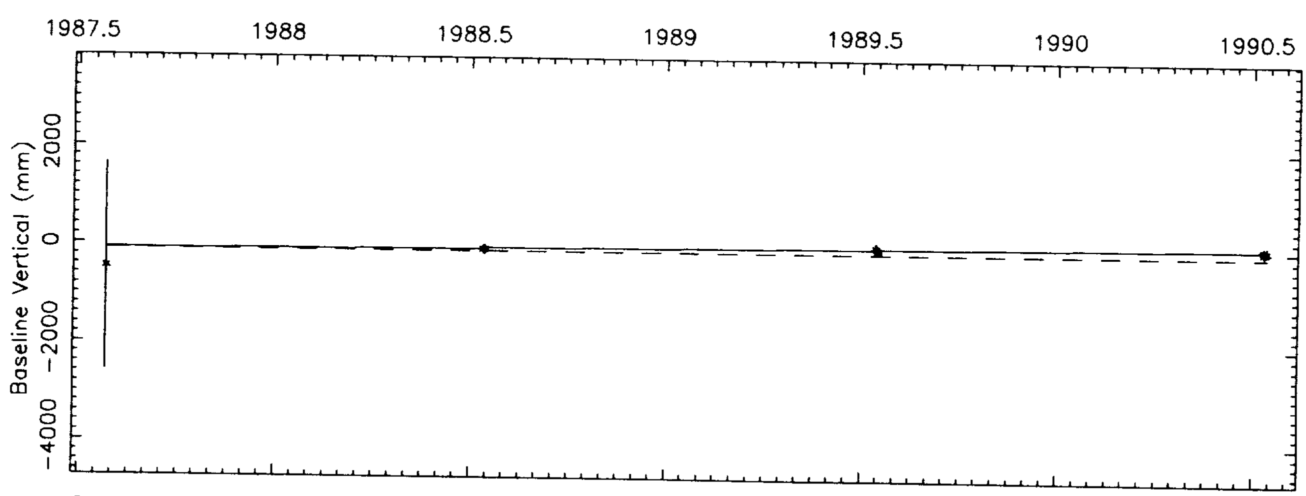
Reduced Chi square = 1.59



Observed Rate = –1.1 ± 6.1 mm/yr
NUVEL model rate = –6.1 mm/yr

Wrms of fit = 13.1 mm

Reduced Chi square = 1.23



Observed Rate = 53.6 ± 9.3 mm/yr
NUVEL model rate = –.4 mm/yr

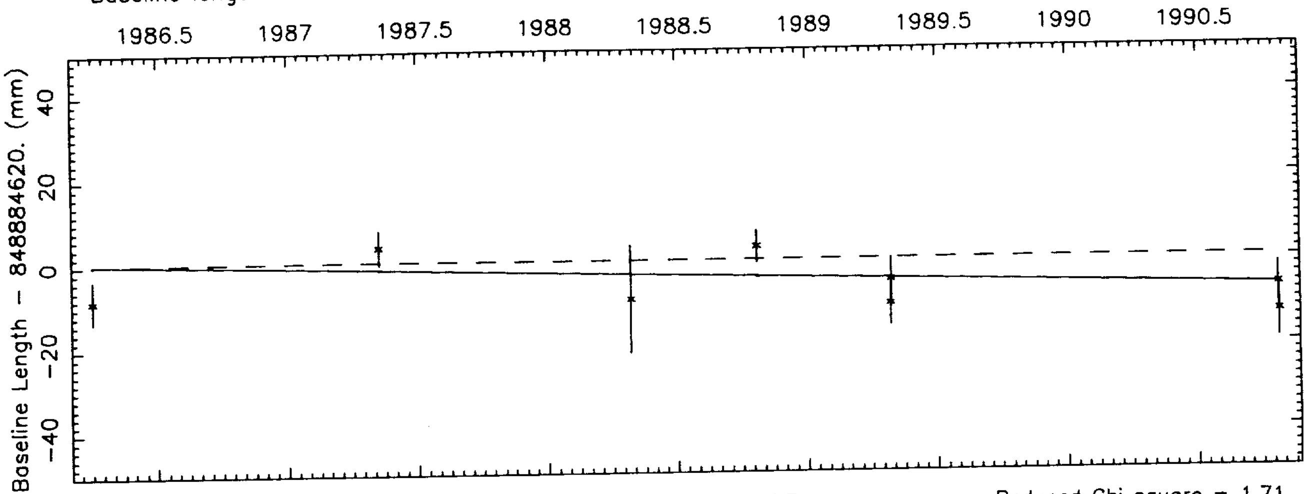
Wrms of fit = 20.6 mm

Reduced Chi square = .32

Vector baseline plots for MOJAVE12–VERNAL

Baseline length = 849 kilometers

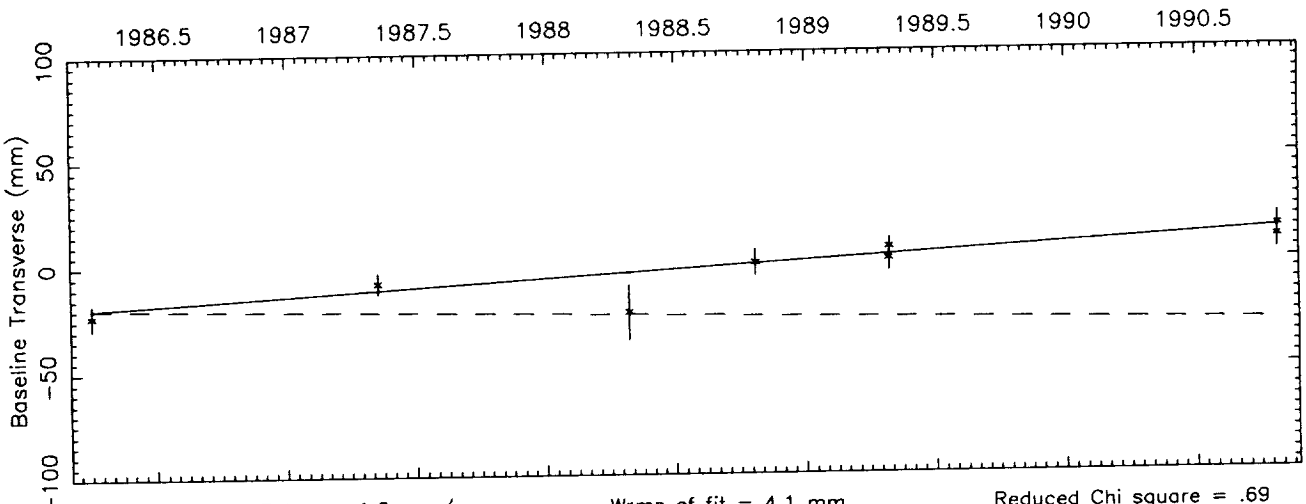
Number of sessions = 8



Observed Rate = –1.5 ± 1.6 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 5.7 mm
Weighted mean length = 848884616.3 mm

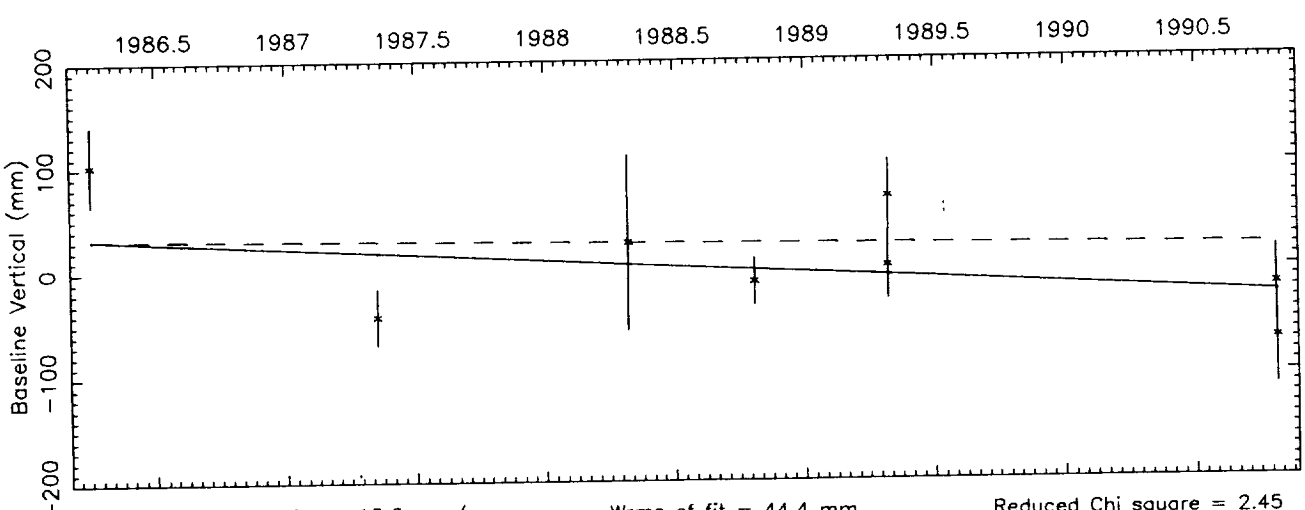
Reduced Chi square = 1.71



Observed Rate = 7.4 ± 1.2 mm/yr
NUVEL model rate = –2.2 mm/yr

Wrms of fit = 4.1 mm

Reduced Chi square = .69



Observed Rate = –12.4 ± 13.6 mm/yr
NUVEL model rate = –2.4 mm/yr

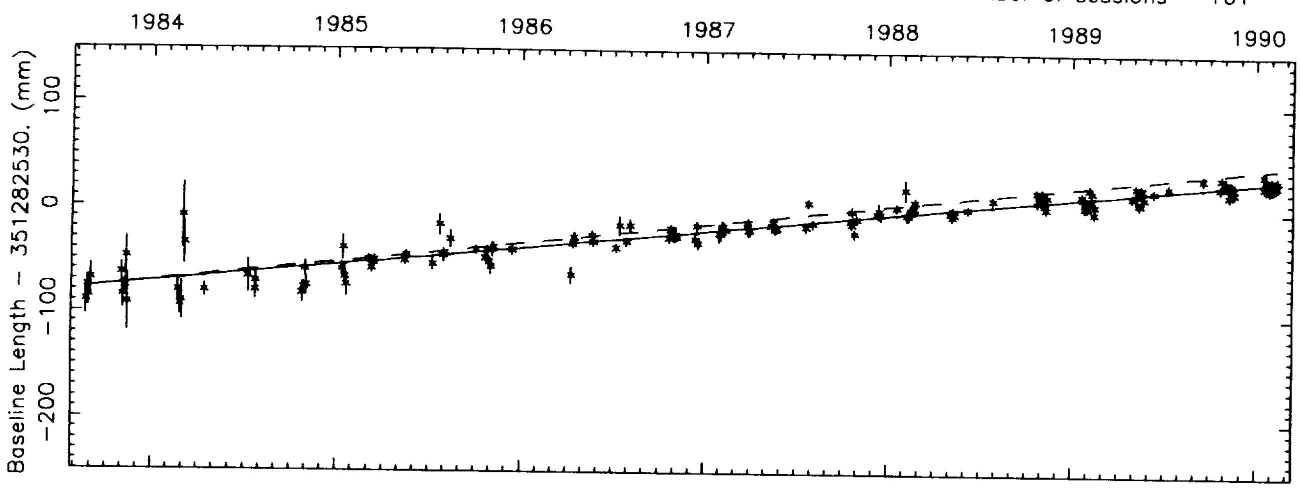
Wrms of fit = 44.4 mm

Reduced Chi square = 2.45

Vector baseline plots for MOJAVE12-VNDNBERG

Baseline length = 351 kilometers

Number of sessions = 161



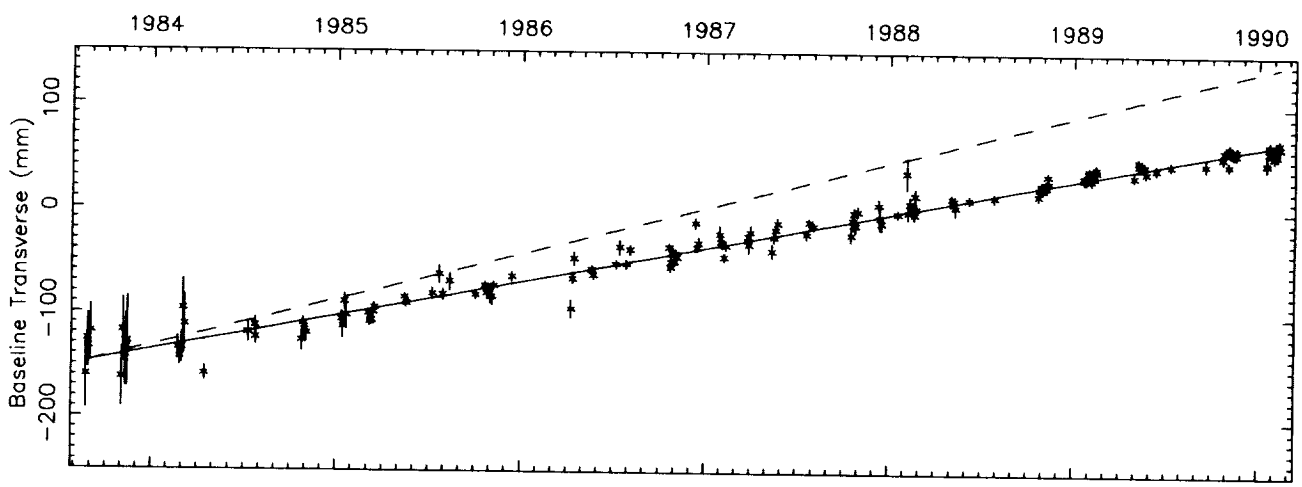
Observed Rate = 16.8 ± .3 mm/yr

NUVEL model rate = 18.8 mm/yr

Wrms of fit = 5.8 mm

Weighted mean length = 351282529.4 mm

Reduced Chi square = 2.83

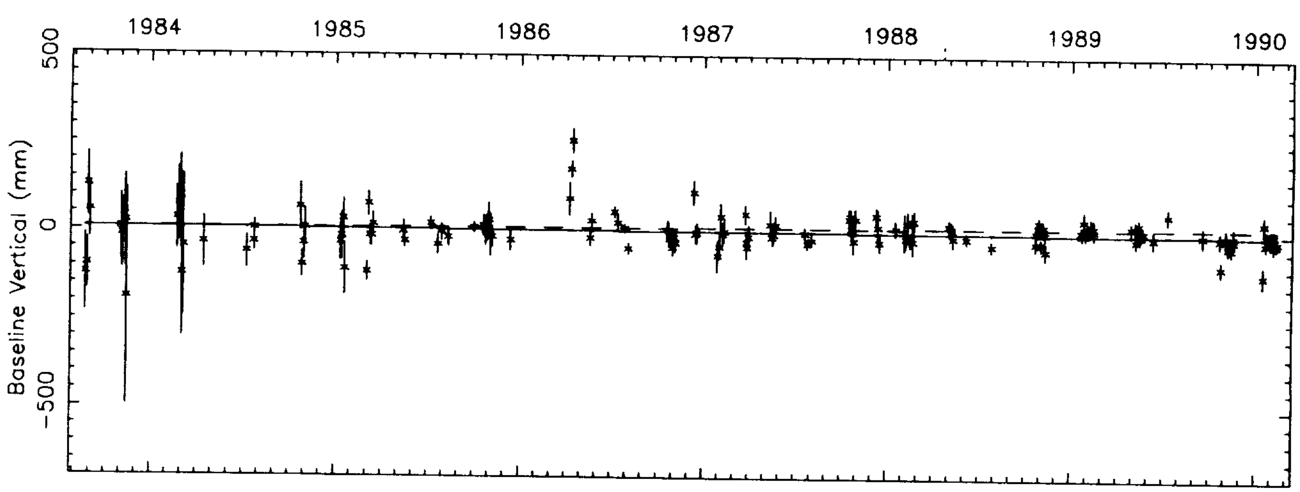


Observed Rate = 33.1 ± .3 mm/yr

NUVEL model rate = 44.4 mm/yr

Wrms of fit = 6.4 mm

Reduced Chi square = 2.18



Observed Rate = -1.7 ± 1.7 mm/yr

NUVEL model rate = 1.3 mm/yr

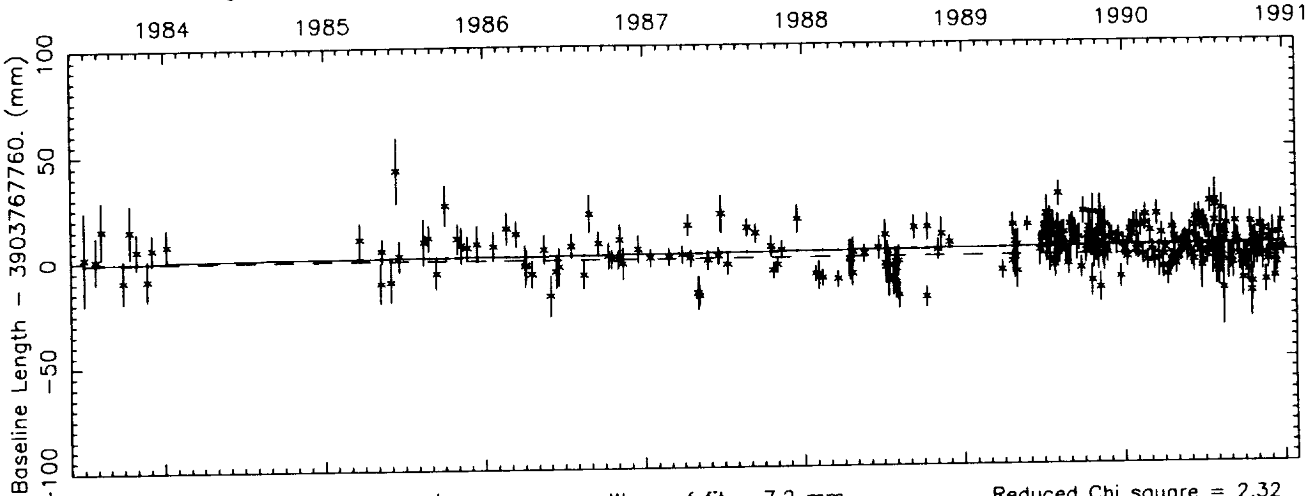
Wrms of fit = 32.4 mm

Reduced Chi square = 2.29

Vector baseline plots for MOJAVE12–WESTFORD

Baseline length = 3904 kilometers

Number of sessions = 304



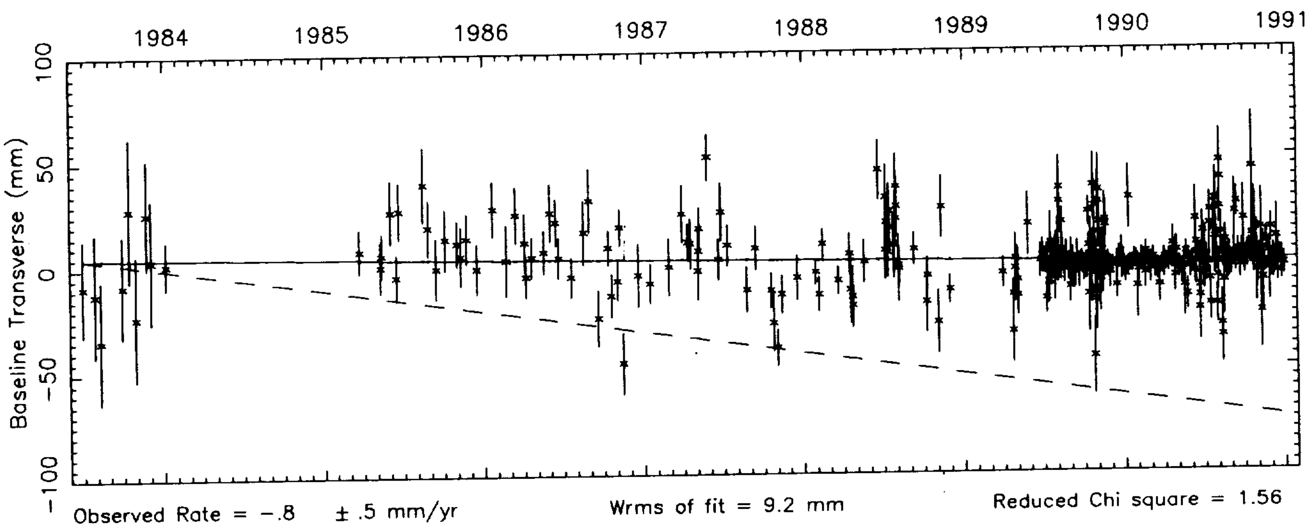
Observed Rate = .6 ± .3 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 7.2 mm

Weighted mean length = 3903767763.1 mm

Reduced Chi square = 2.32

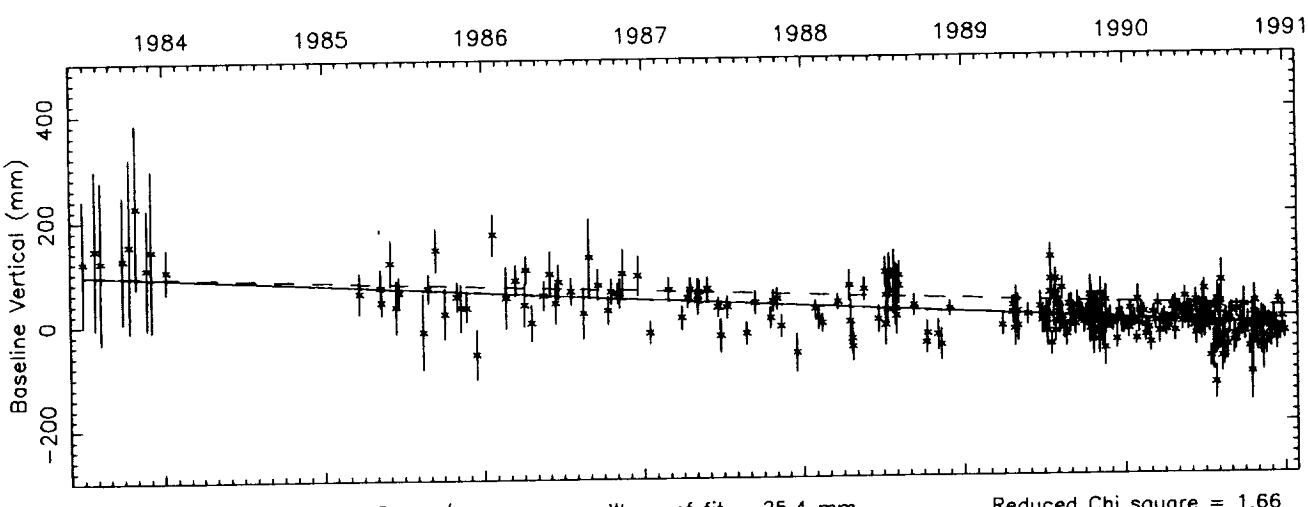


Observed Rate = −.8 ± .5 mm/yr

NUVEL model rate = −10.5 mm/yr

Wrms of fit = 9.2 mm

Reduced Chi square = 1.56



Observed Rate = −15.1 ± 1.3 mm/yr

NUVEL model rate = −10.3 mm/yr

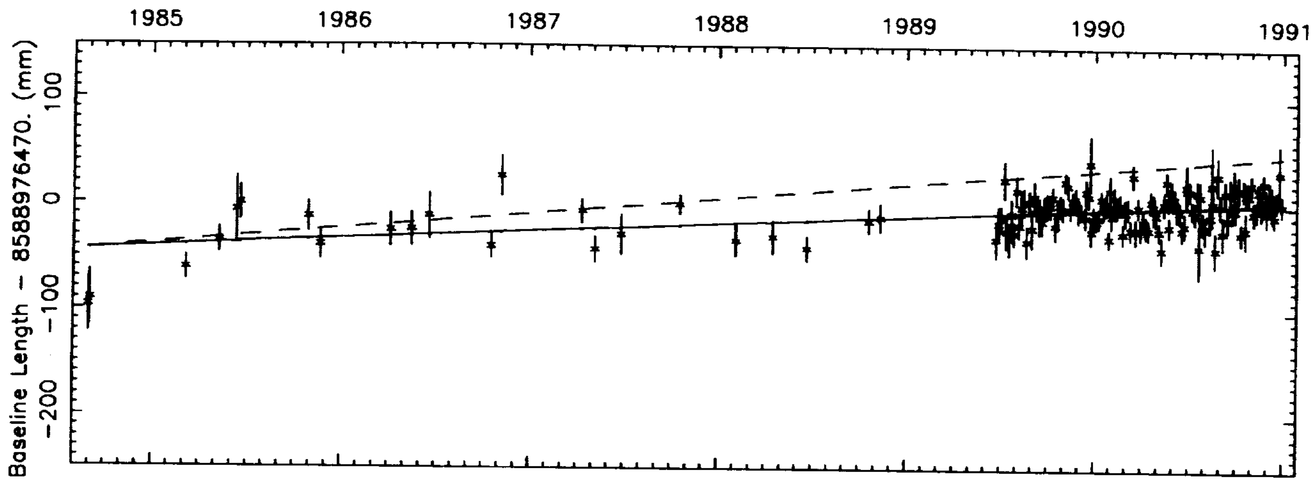
Wrms of fit = 25.4 mm

Reduced Chi square = 1.66

Vector baseline plots for MOJAVE12−WETTZELL

Baseline length = 8589 kilometers

Number of sessions = 144



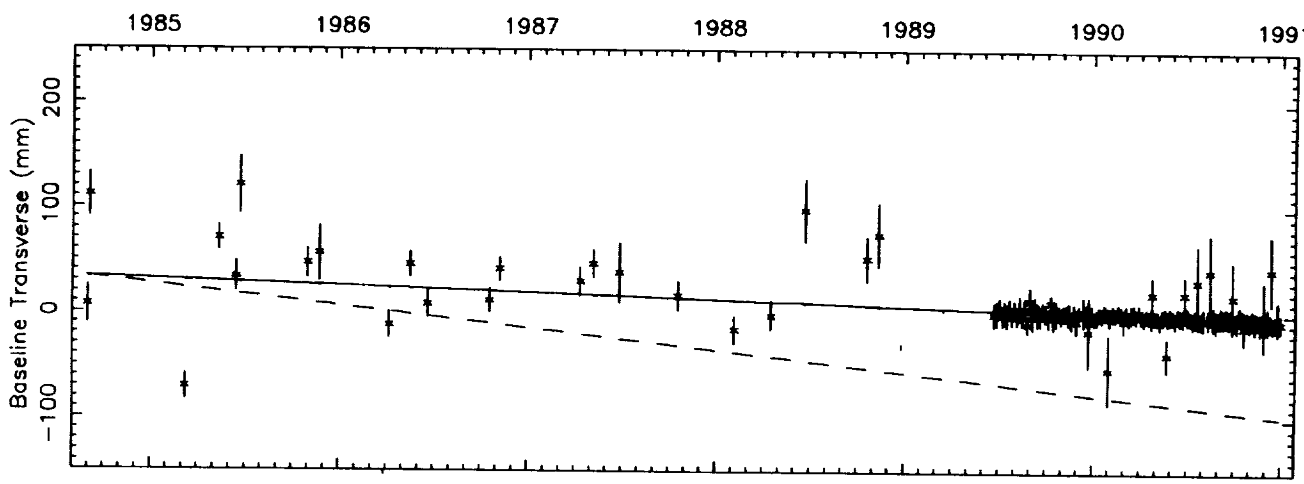
Observed Rate = 7.5 ± 1.1 mm/yr

NUVEL model rate = 14.5 mm/yr

Wrms of fit = 15.1 mm

Weighted mean length = 8588976465.9 mm

Reduced Chi square = 1.80

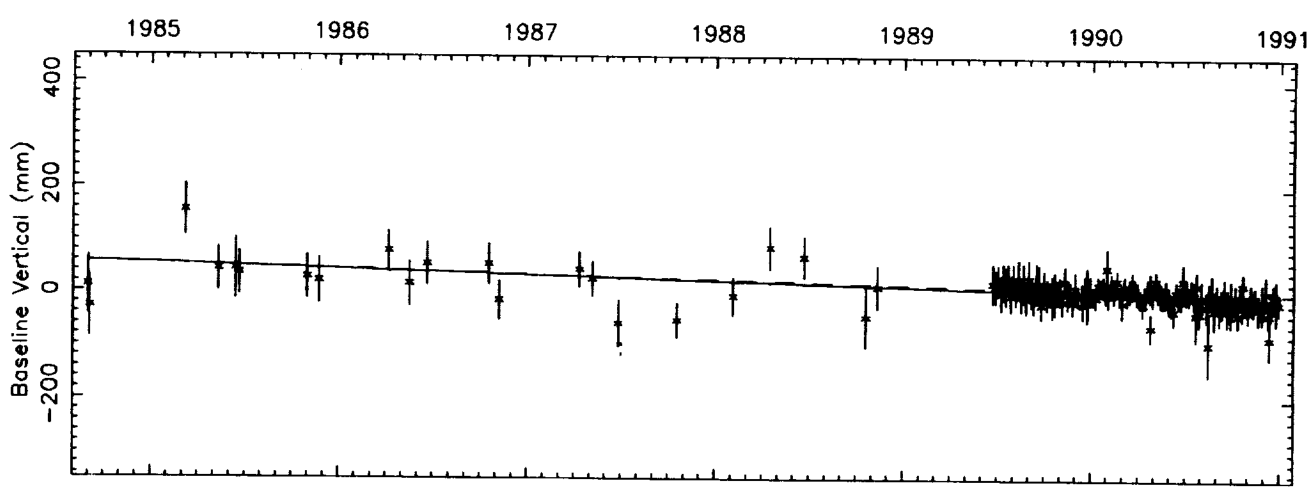


Observed Rate = −6.2 ± .9 mm/yr

NUVEL model rate = −20.7 mm/yr

Wrms of fit = 10.5 mm

Reduced Chi square = 1.34



Observed Rate = −10.6 ± 1.7 mm/yr

NUVEL model rate = −9.8 mm/yr

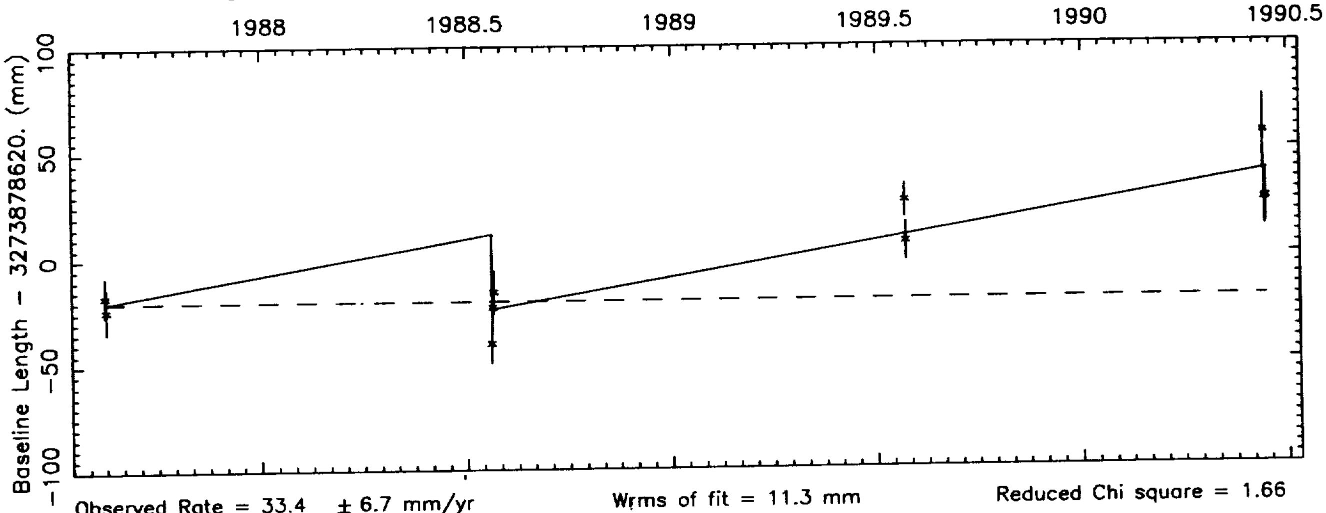
Wrms of fit = 19.0 mm

Reduced Chi square = .57

Vector baseline plots for MOJAVE12-YAKATAGA

Baseline length = 3274 kilometers

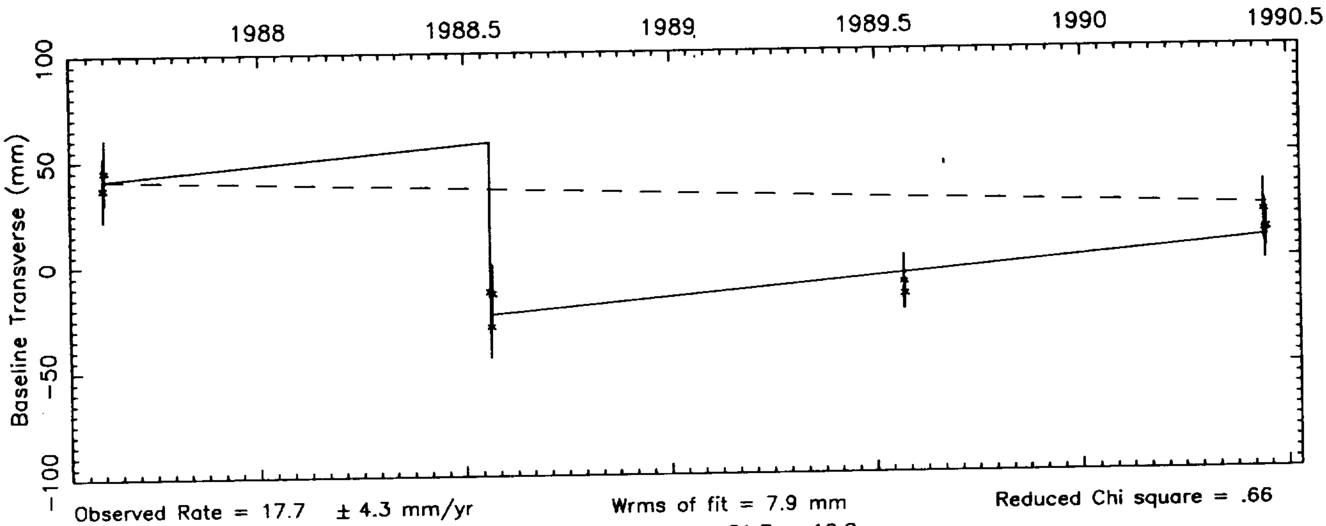
Number of sessions = 10



Observed Rate = 33.4 ± 6.7 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 11.3 mm
Weighted mean length = 3273878618.6 mm
Offset = −35.3 ± 15.7 mm

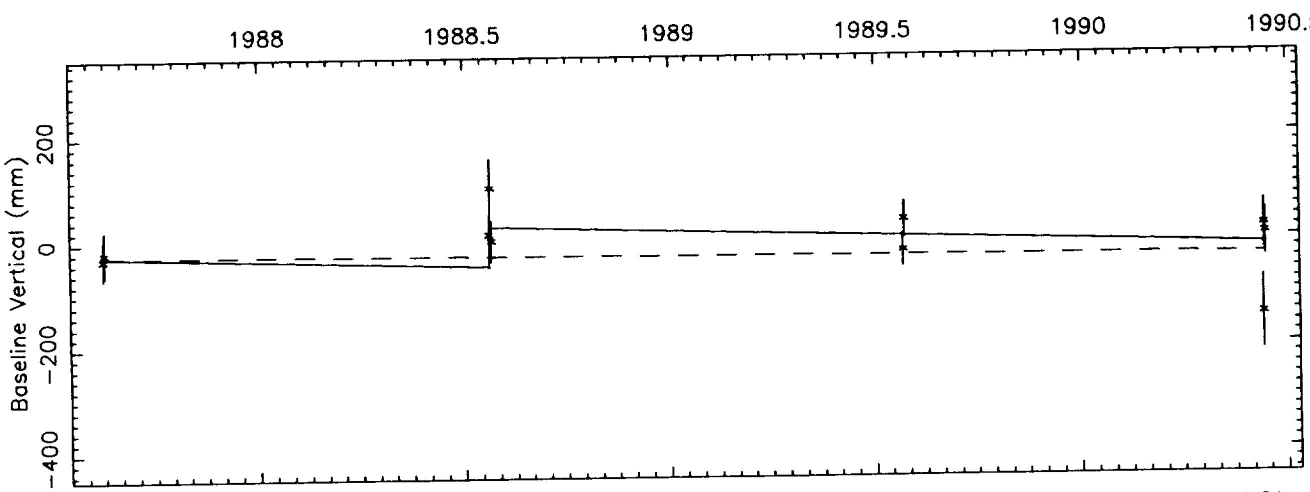
Reduced Chi square = 1.66



Observed Rate = 17.7 ± 4.3 mm/yr
NUVEL model rate = −5.8 mm/yr

Wrms of fit = 7.9 mm
Offset = −81.7 ± 12.8 mm

Reduced Chi square = .66



Observed Rate = −23.4 ± 22.7 mm/yr
NUVEL model rate = −2.9 mm/yr

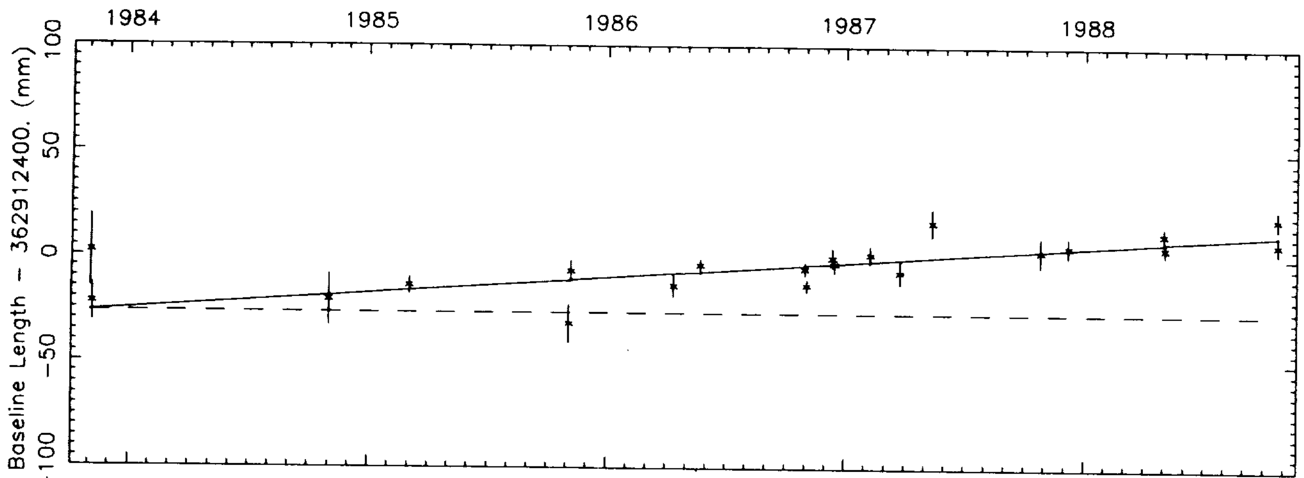
Wrms of fit = 38.3 mm
Offset = 74.9 ± 54.5 mm

Reduced Chi square = 1.21

Vector baseline plots for MOJAVE12-YUMA

Baseline length = 363 kilometers

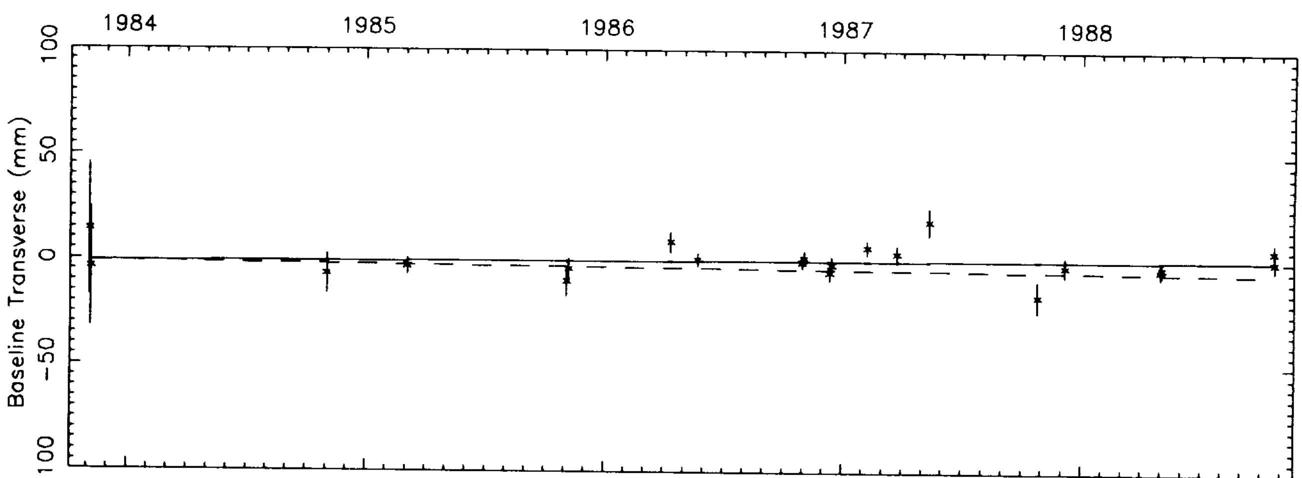
Number of sessions = 21



Observed Rate = 7.7 ± 1.3 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 5.9 mm
Weighted mean length = 362912398.3 mm

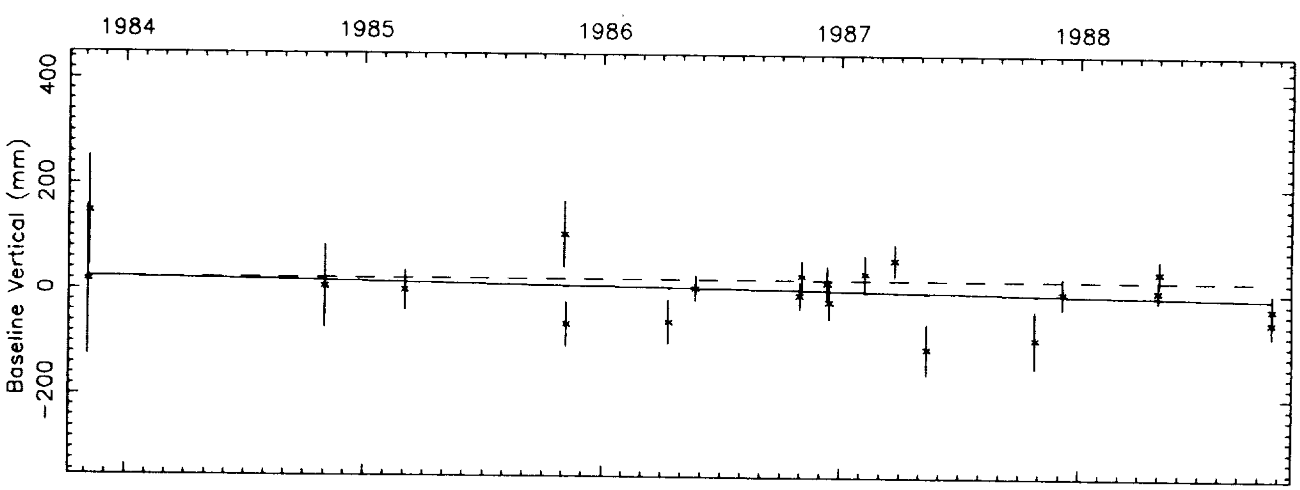
Reduced Chi square = 1.90



Observed Rate = .3 ± 1.2 mm/yr
NUVEL model rate = -1.0 mm/yr

Wrms of fit = 5.2 mm

Reduced Chi square = 1.65



Observed Rate = -6.8 ± 8.7 mm/yr
NUVEL model rate = .0 mm/yr

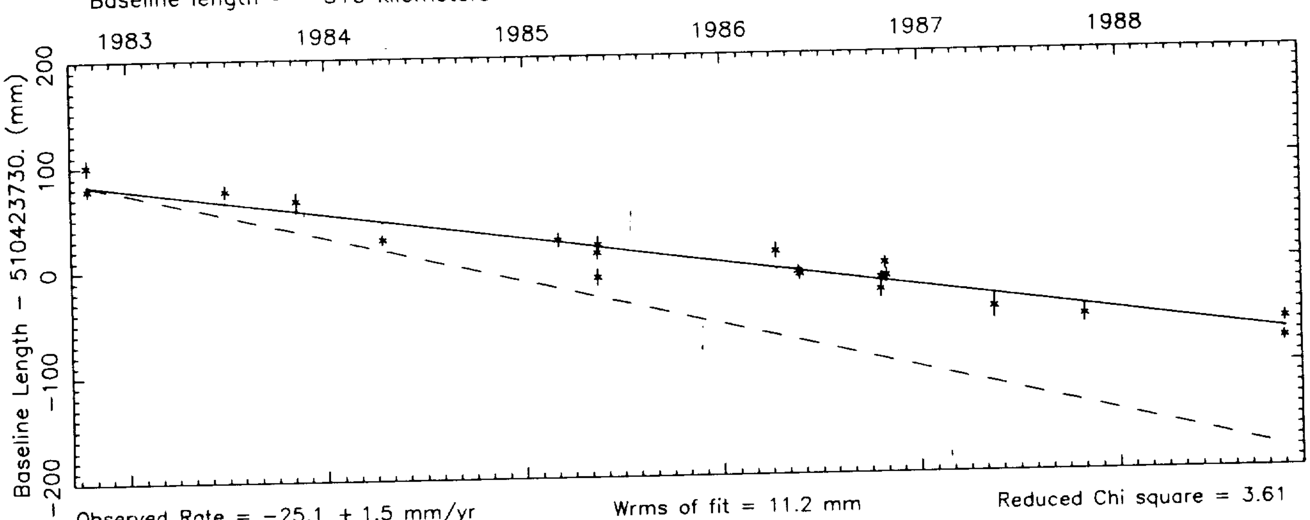
Wrms of fit = 39.6 mm

Reduced Chi square = 1.56

Vector baseline plots for MON PEAK–OVRO 130

Baseline length = 510 kilometers

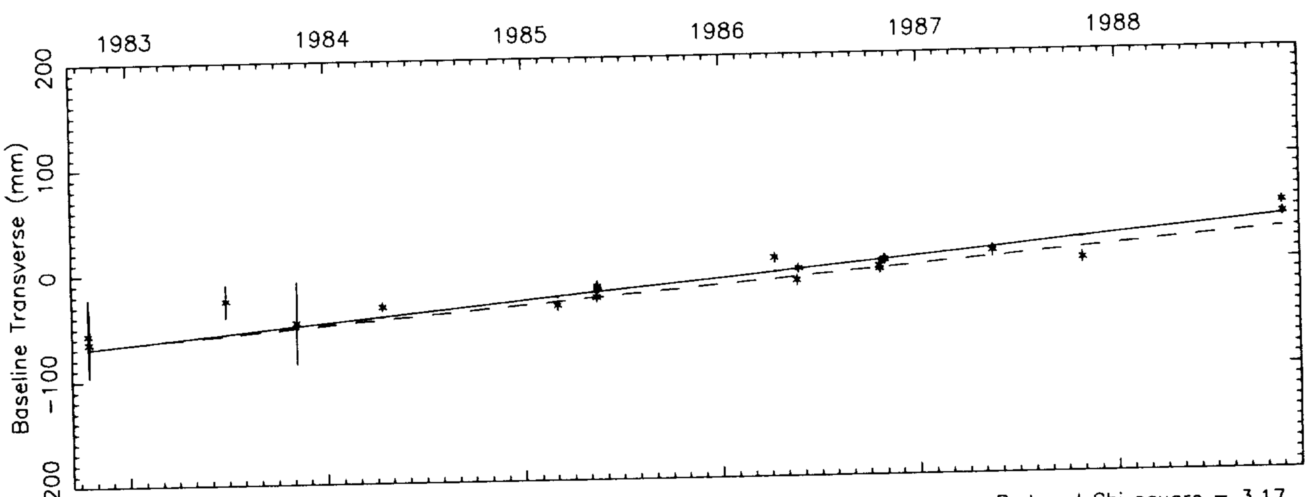
Number of sessions = 20



Observed Rate = –25.1 ± 1.5 mm/yr
NUVEL model rate = –43.5 mm/yr

Wrms of fit = 11.2 mm
Weighted mean length = 510423732.1 mm

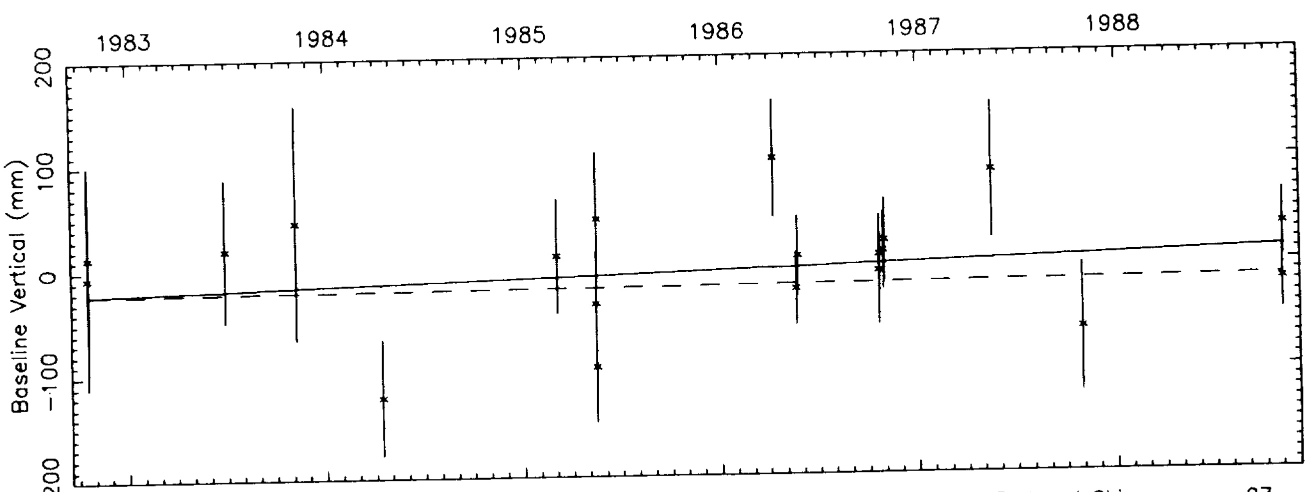
Reduced Chi square = 3.61



Observed Rate = 18.1 ± 1.5 mm/yr
NUVEL model rate = 16.2 mm/yr

Wrms of fit = 8.7 mm

Reduced Chi square = 3.17



Observed Rate = 5.7 ± 6.7 mm/yr
NUVEL model rate = 1.3 mm/yr

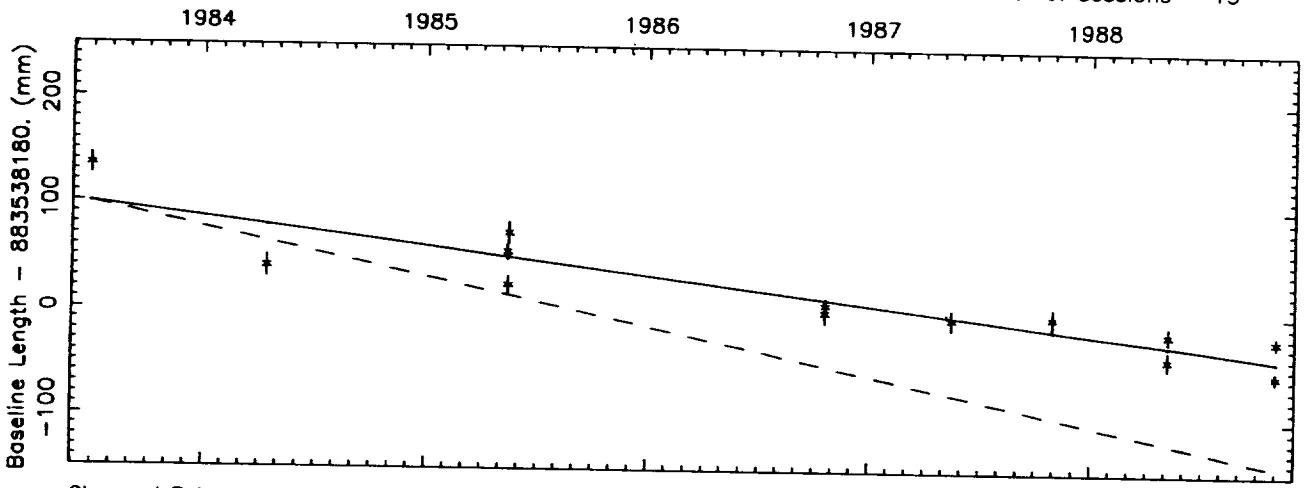
Wrms of fit = 43.3 mm

Reduced Chi square = .97

Vector baseline plots for MON PEAK-QUINCY

Baseline length = 884 kilometers

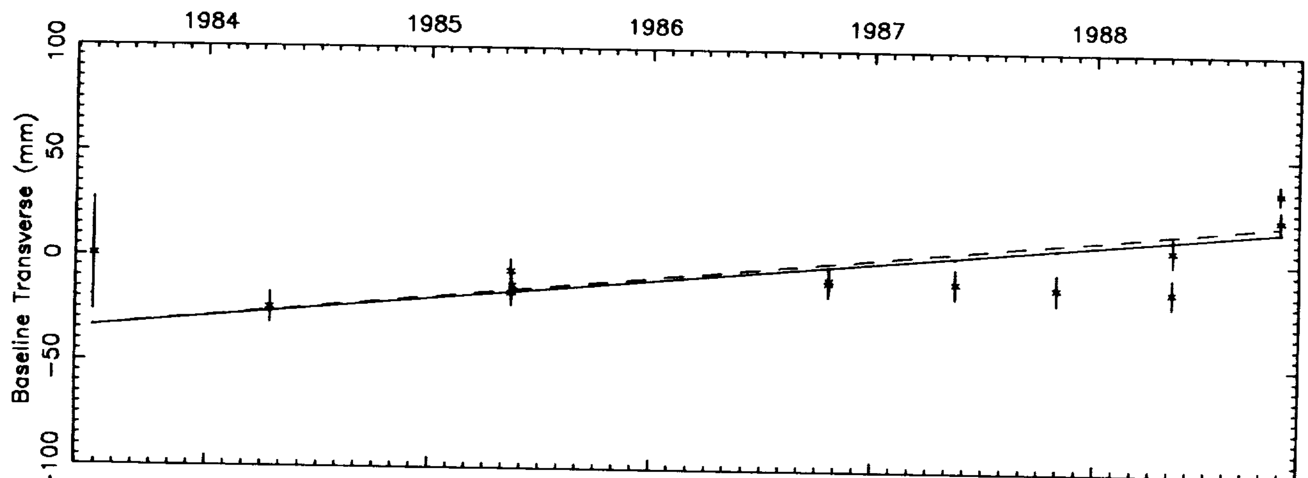
Number of sessions = 13



Observed Rate = -26.3 ± 3.2 mm/yr
NUVEL model rate = -45.3 mm/yr

Wrms of fit = 17.8 mm
Weighted mean length = 883538181.6 mm

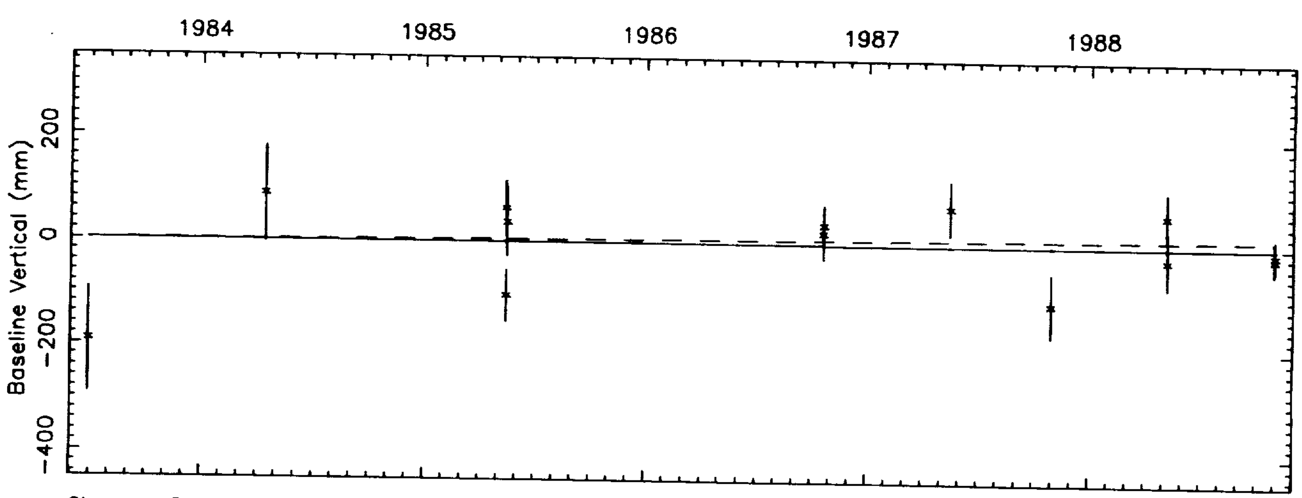
Reduced Chi square = 6.11



Observed Rate = 9.3 ± 2.4 mm/yr
NUVEL model rate = 9.8 mm/yr

Wrms of fit = 12.2 mm

Reduced Chi square = 4.32

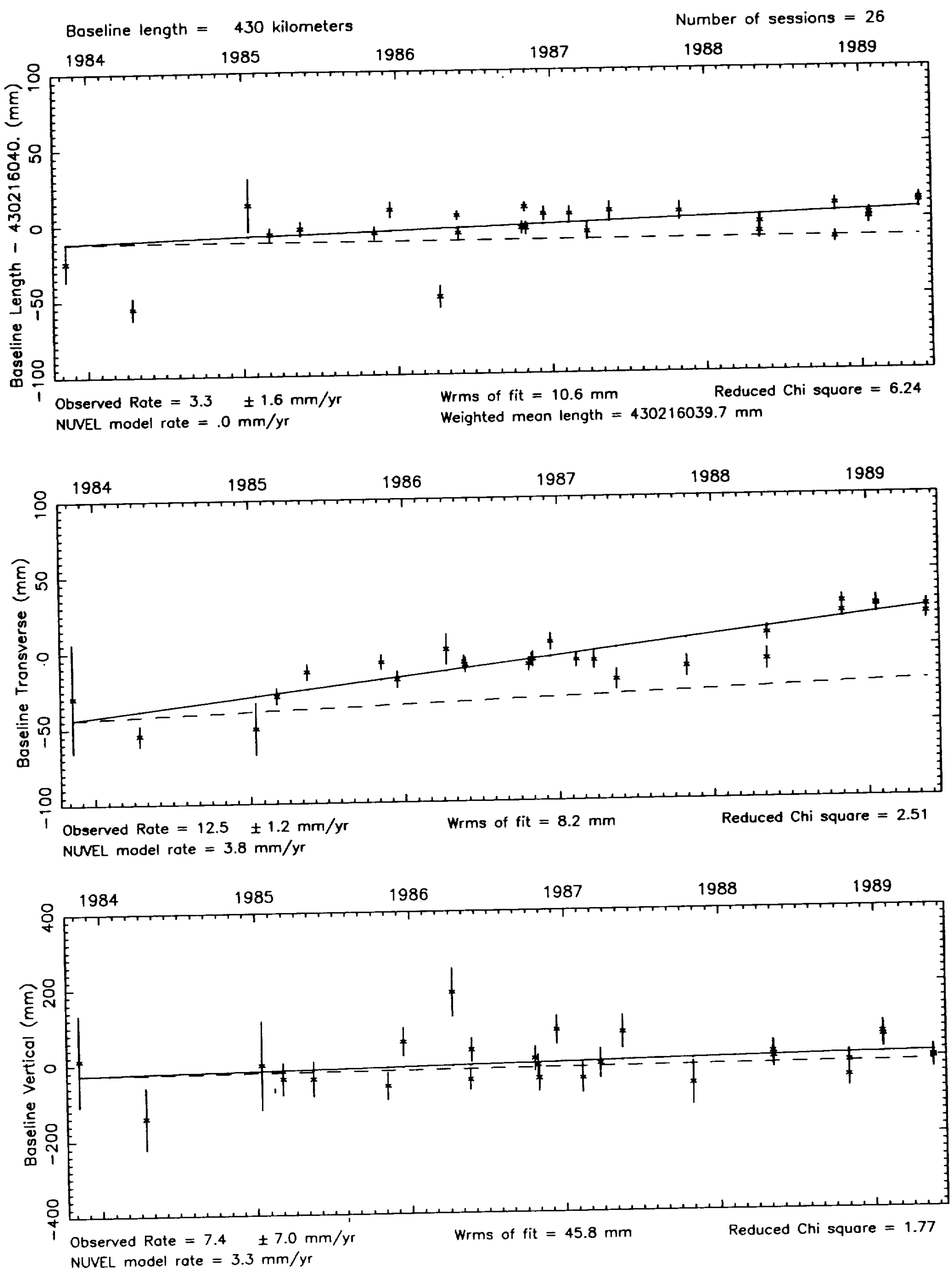


Observed Rate = -.2 ± 12.0 mm/yr
NUVEL model rate = 2.5 mm/yr

Wrms of fit = 57.6 mm

Reduced Chi square = 1.80

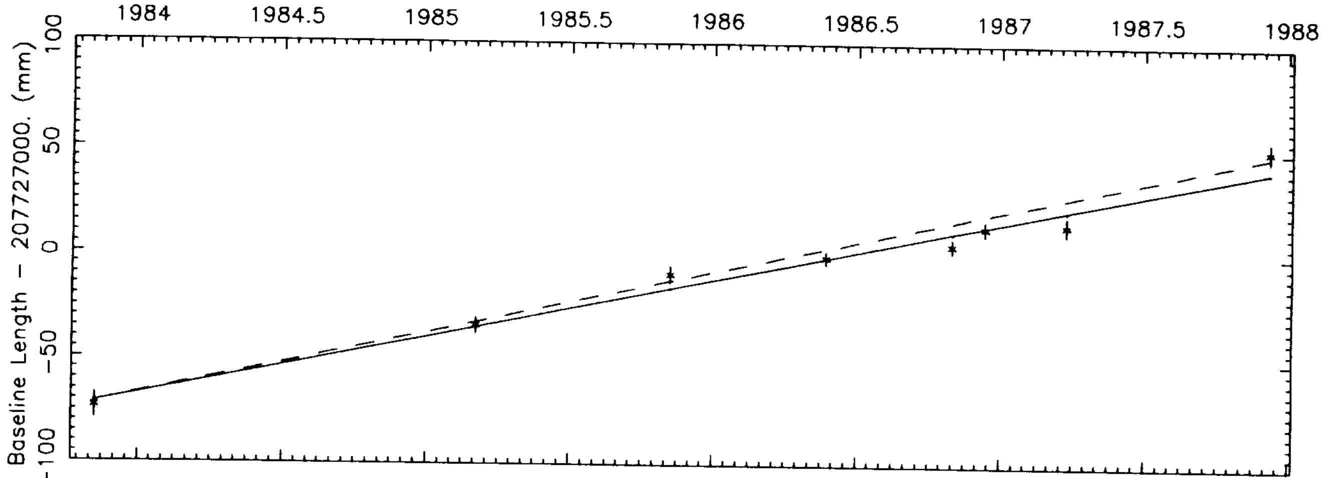
Vector baseline plots for MON PEAK-VNDNBERG



Vector baseline plots for MON PEAK-YUMA

Baseline length = 208 kilometers

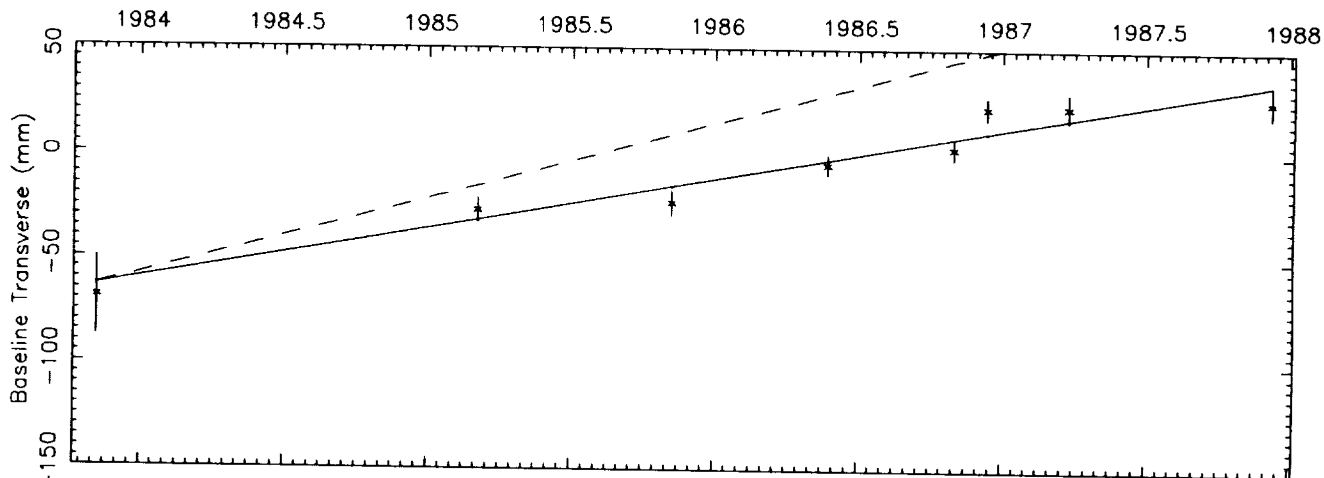
Number of sessions = 8



Observed Rate = 27.6 ± 2.1 mm/yr
NUVEL model rate = 29.4 mm/yr

Wrms of fit = 5.0 mm
Weighted mean length = 207726999.7 mm

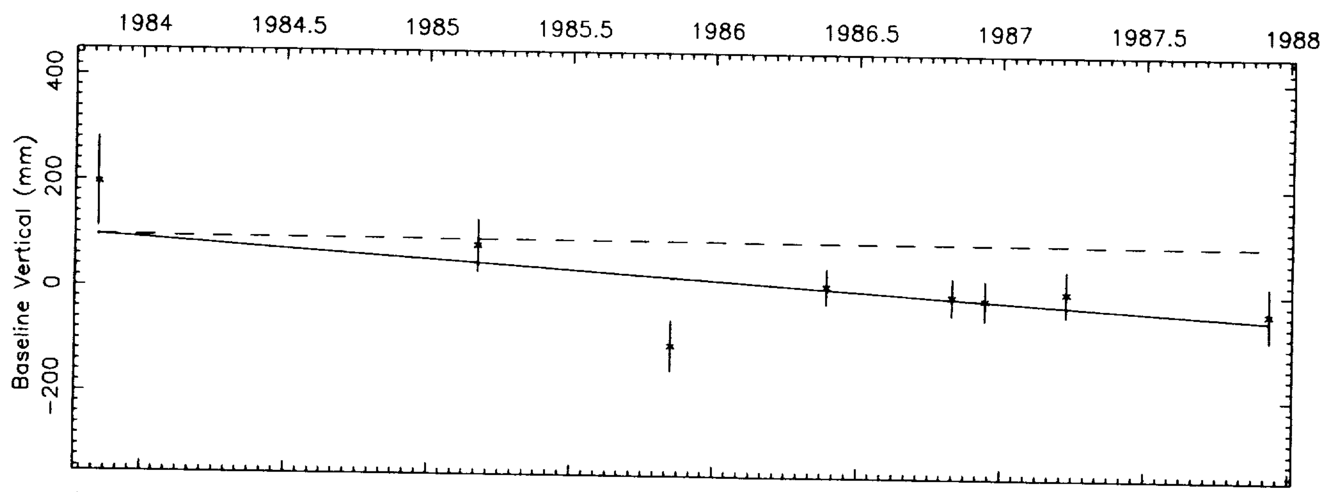
Reduced Chi square = 2.14



Observed Rate = 23.9 ± 3.5 mm/yr
NUVEL model rate = 36.1 mm/yr

Wrms of fit = 6.8 mm

Reduced Chi square = 1.78



Observed Rate = -35.4 ± 22.3 mm/yr
NUVEL model rate = -1.1 mm/yr

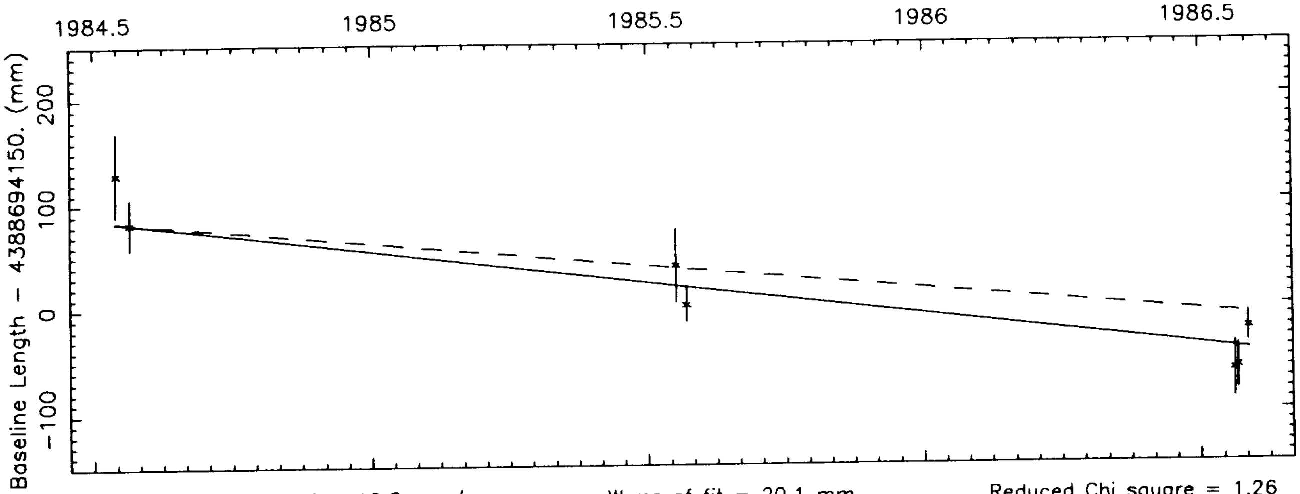
Wrms of fit = 47.2 mm

Reduced Chi square = 1.56

Vector baseline plots for NOME -VNDNBERG

Baseline length = 4389 kilometers

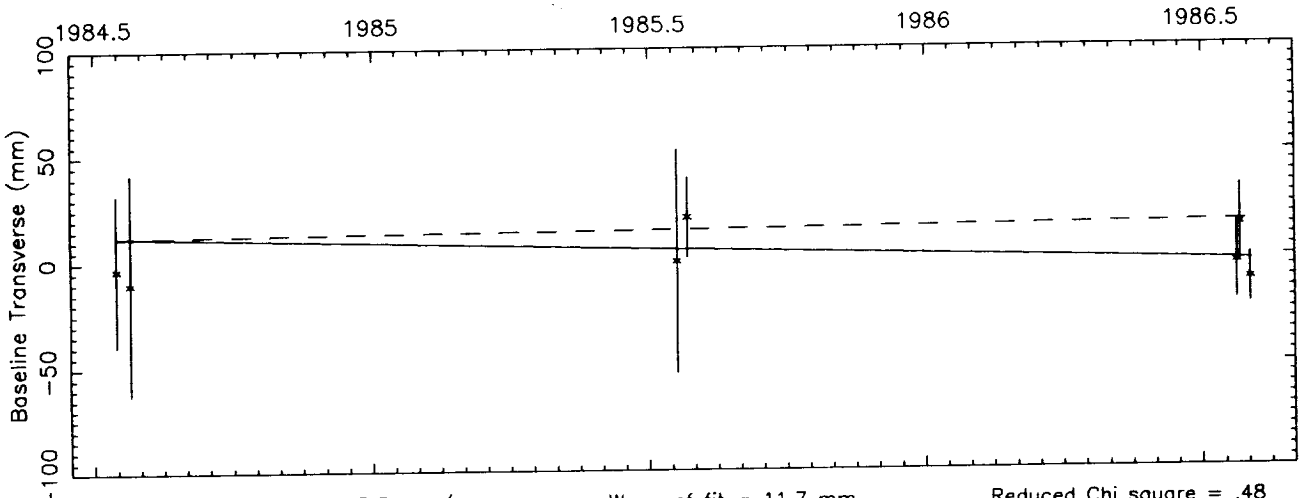
Number of sessions = 7



Observed Rate = -61.9 ± 12.3 mm/yr
NUVEL model rate = -45.3 mm/yr

Wrms of fit = 20.1 mm
Weighted mean length = 4388694145.2 mm

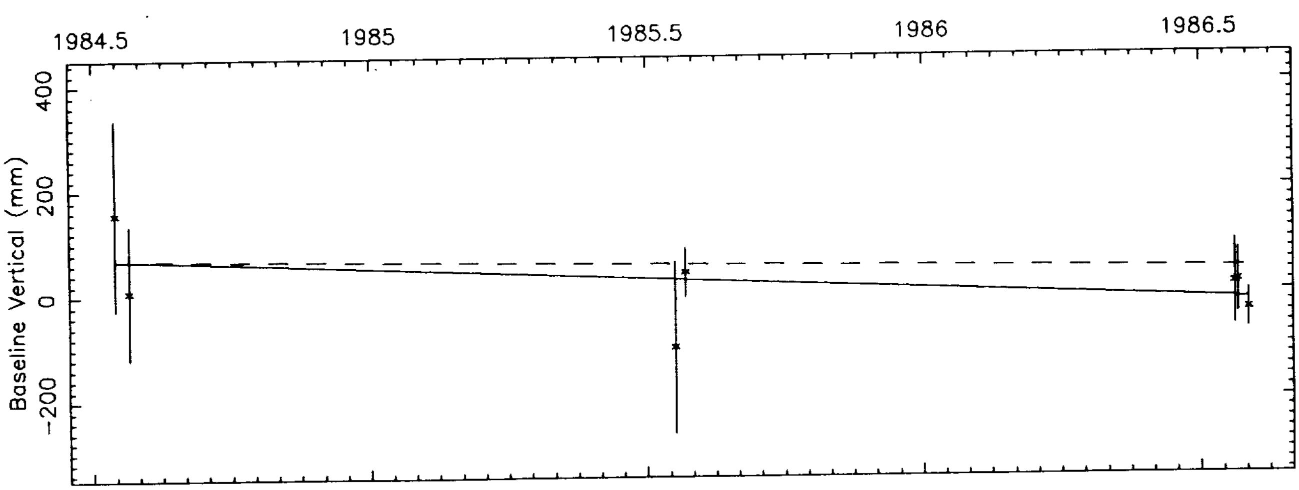
Reduced Chi square = 1.26



Observed Rate = -6.9 ± 8.8 mm/yr
NUVEL model rate = 2.2 mm/yr

Wrms of fit = 11.7 mm

Reduced Chi square = .48

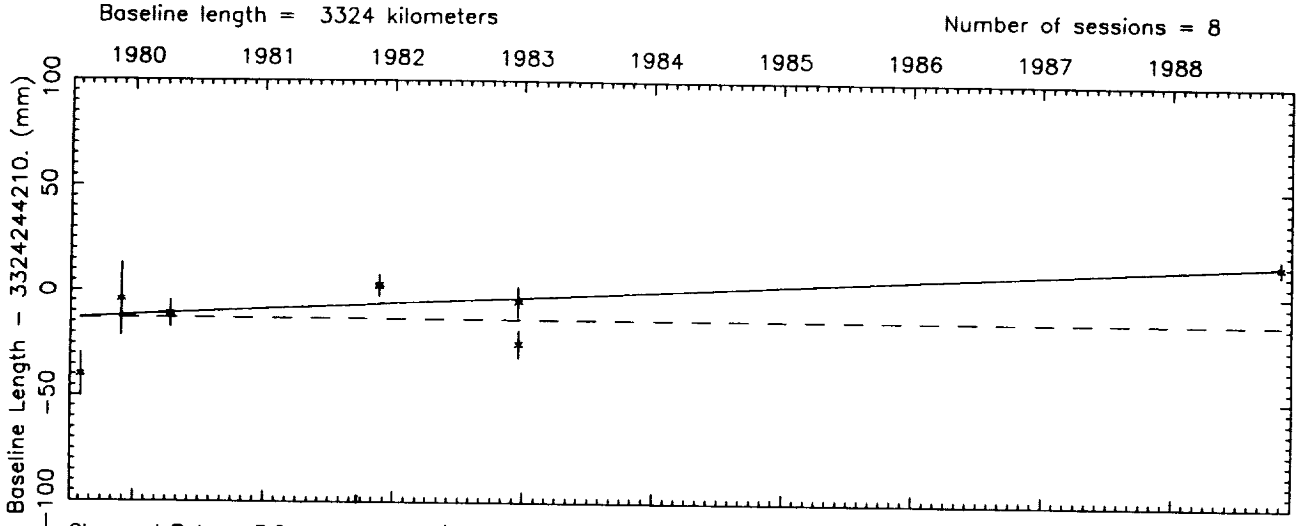


Observed Rate = -41.9 ± 24.8 mm/yr
NUVEL model rate = -12.3 mm/yr

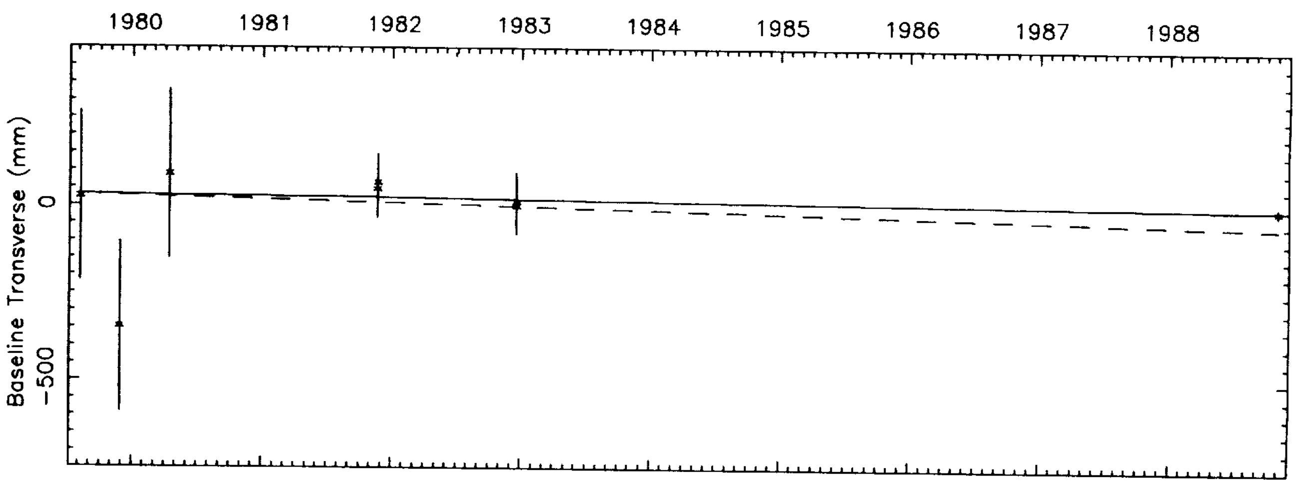
Wrms of fit = 32.9 mm

Reduced Chi square = .37

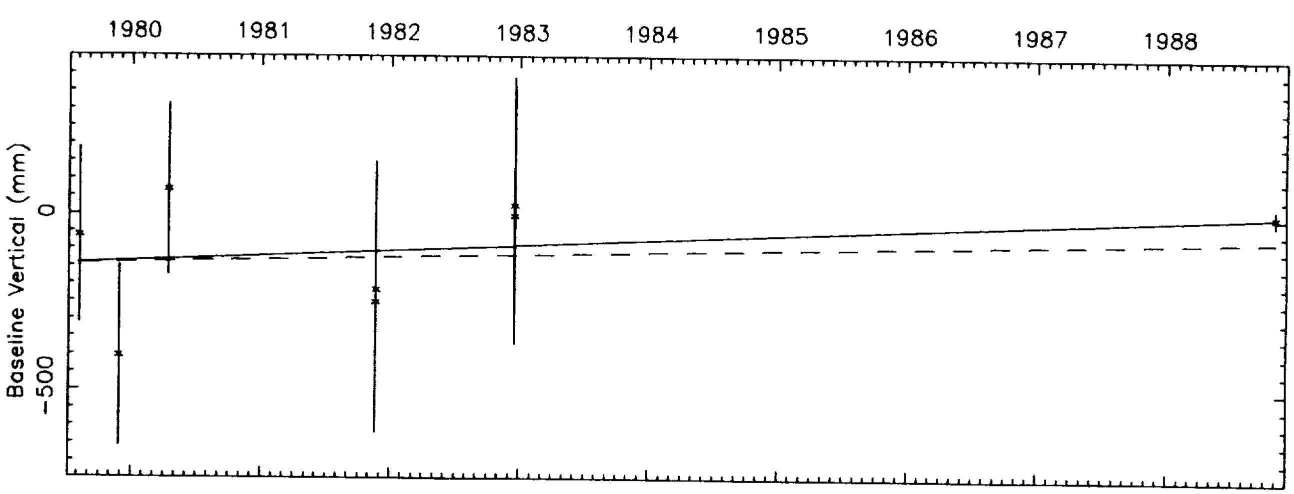
Vector baseline plots for NRAO 140–OVRO 130



Observed Rate = 3.0 ± 1.2 mm/yr
NUVEL model rate = .0 mm/yr
Wrms of fit = 10.2 mm
Weighted mean length = 3324244210.1 mm
Reduced Chi square = 4.07



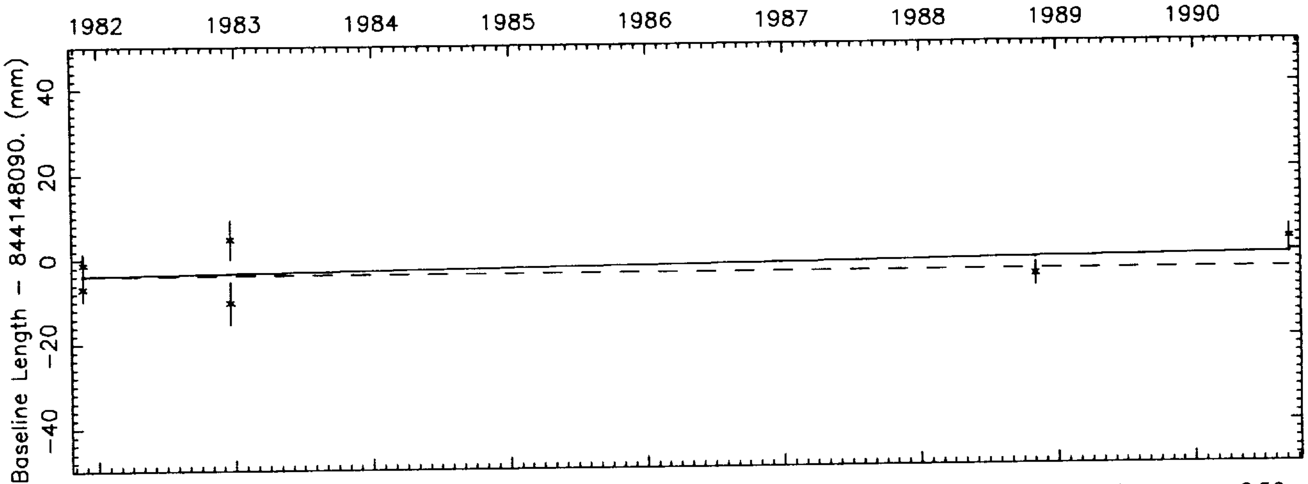
Observed Rate = –3.4 ± 4.3 mm/yr
NUVEL model rate = –9.1 mm/yr
Wrms of fit = 20.4 mm
Reduced Chi square = .48



Observed Rate = 16.0 ± 8.8 mm/yr
NUVEL model rate = 8.3 mm/yr
Wrms of fit = 34.8 mm
Reduced Chi square = .38

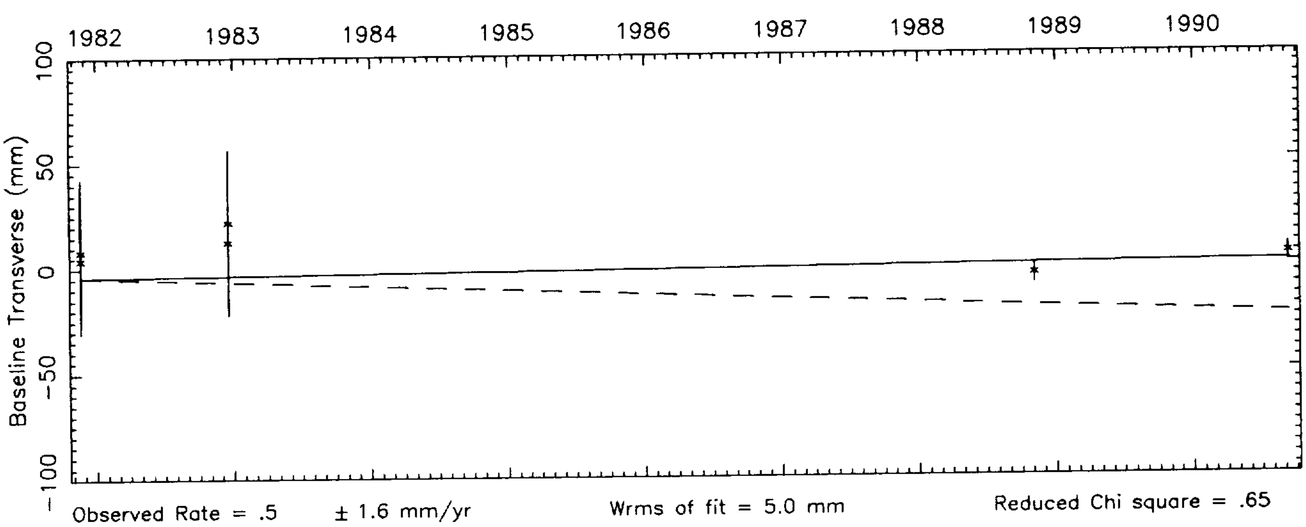
Vector baseline plots for NRAO 140–WESTFORD

Baseline length = 844 kilometers   Number of sessions = 6



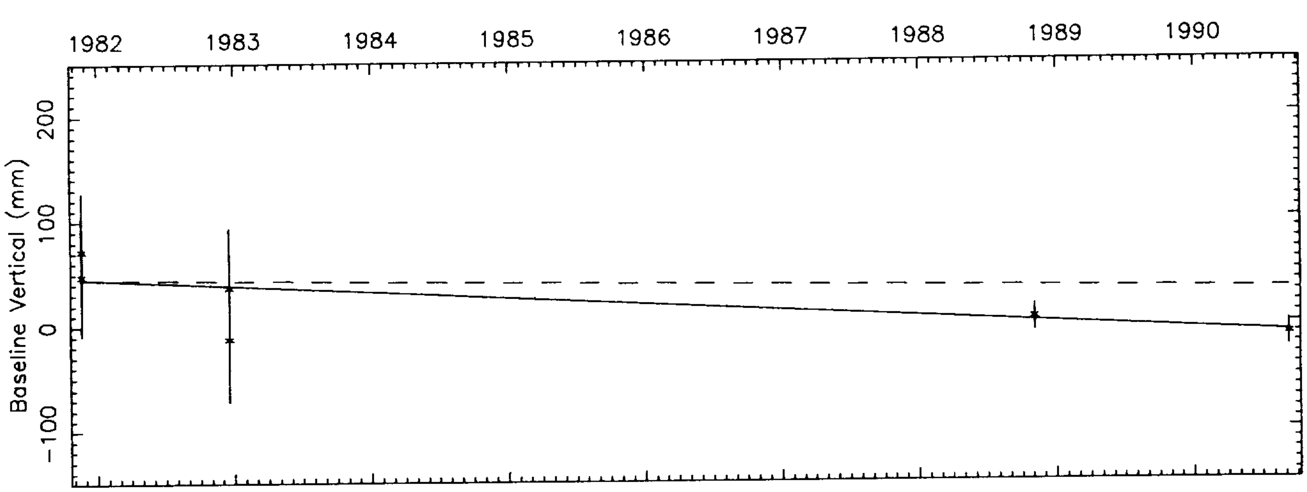
Observed Rate = .4 ± .6 mm/yr   Wrms of fit = 4.2 mm   Reduced Chi square = 2.59

NUVEL model rate = .0 mm/yr   Weighted mean length = 844148087.4 mm



Observed Rate = .5 ± 1.6 mm/yr   Wrms of fit = 5.0 mm   Reduced Chi square = .65

NUVEL model rate = −2.3 mm/yr



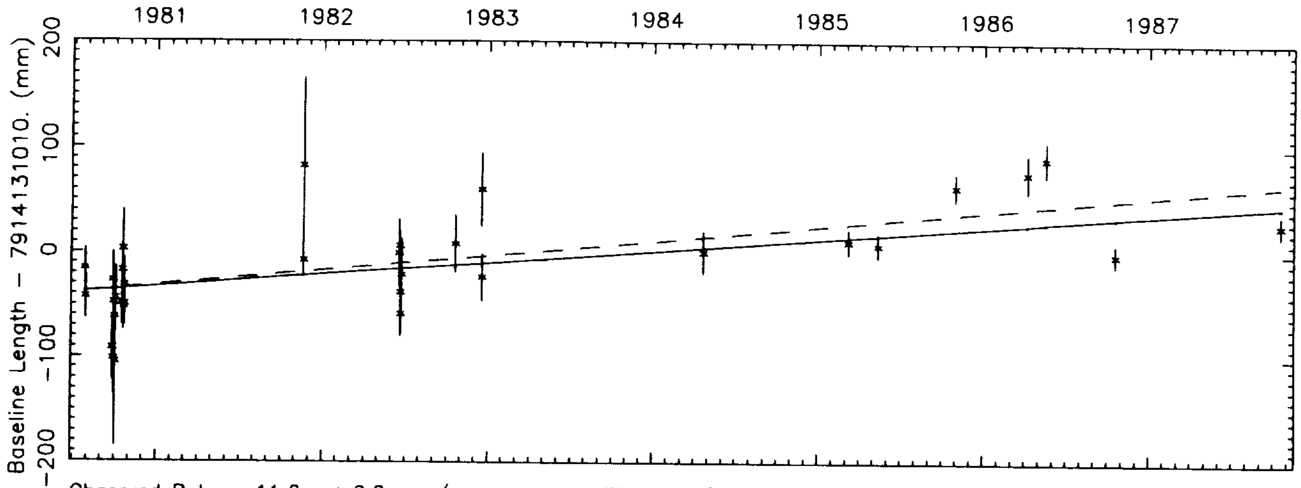
Observed Rate = −6.2 ± 1.9 mm/yr   Wrms of fit = 8.8 mm   Reduced Chi square = .26

NUVEL model rate = −1.5 mm/yr

Vector baseline plots for ONSALA60–OVRO 130

Baseline length = 7914 kilometers

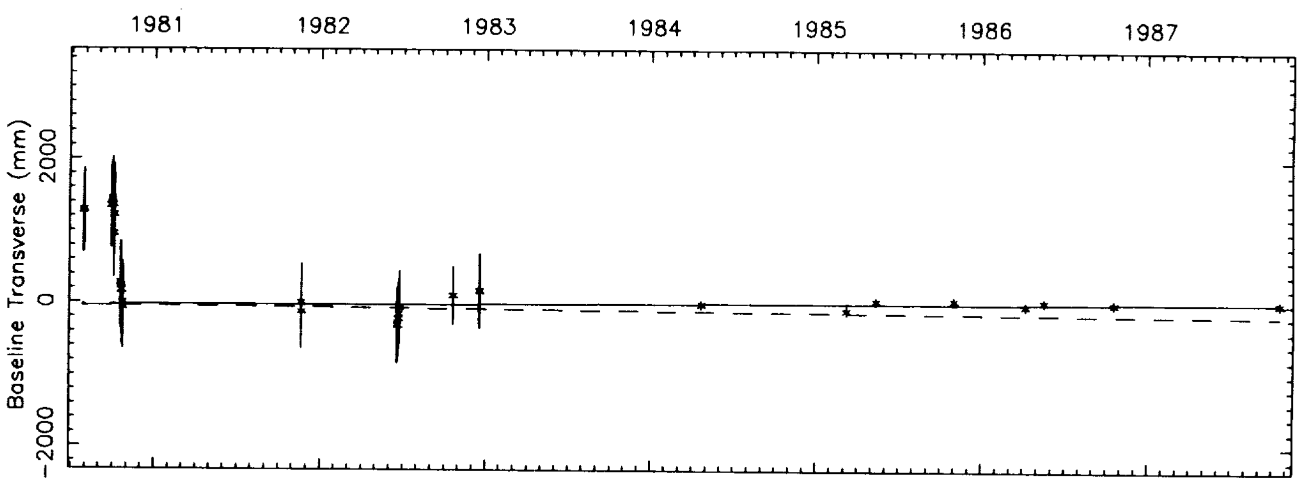
Number of sessions = 33



Observed Rate = 11.6 ± 2.0 mm/yr
NUVEL model rate = 14.3 mm/yr

Wrms of fit = 28.5 mm
Weighted mean length = 7914131011.3 mm

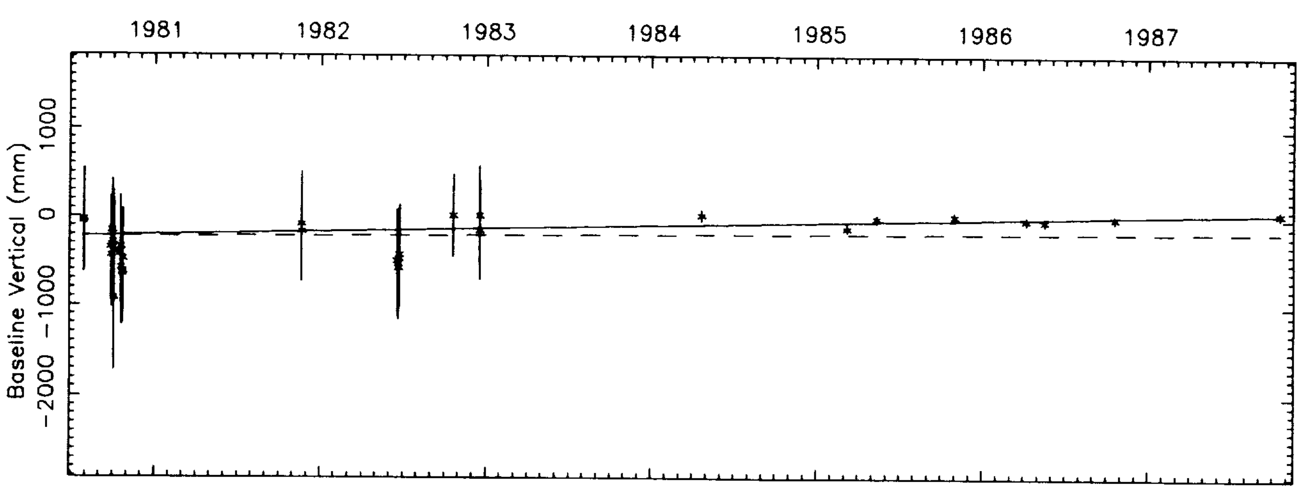
Reduced Chi square = 2.38



Observed Rate = 8.0 ± 9.9 mm/yr
NUVEL model rate = –17.7 mm/yr

Wrms of fit = 53.1 mm

Reduced Chi square = 4.09

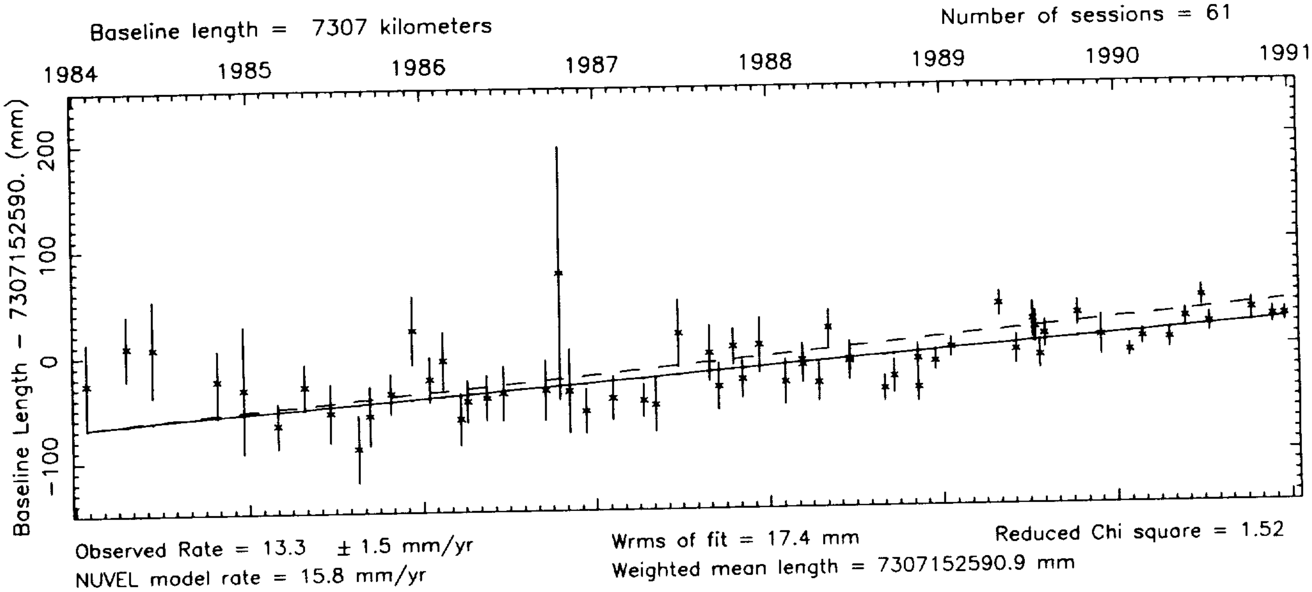


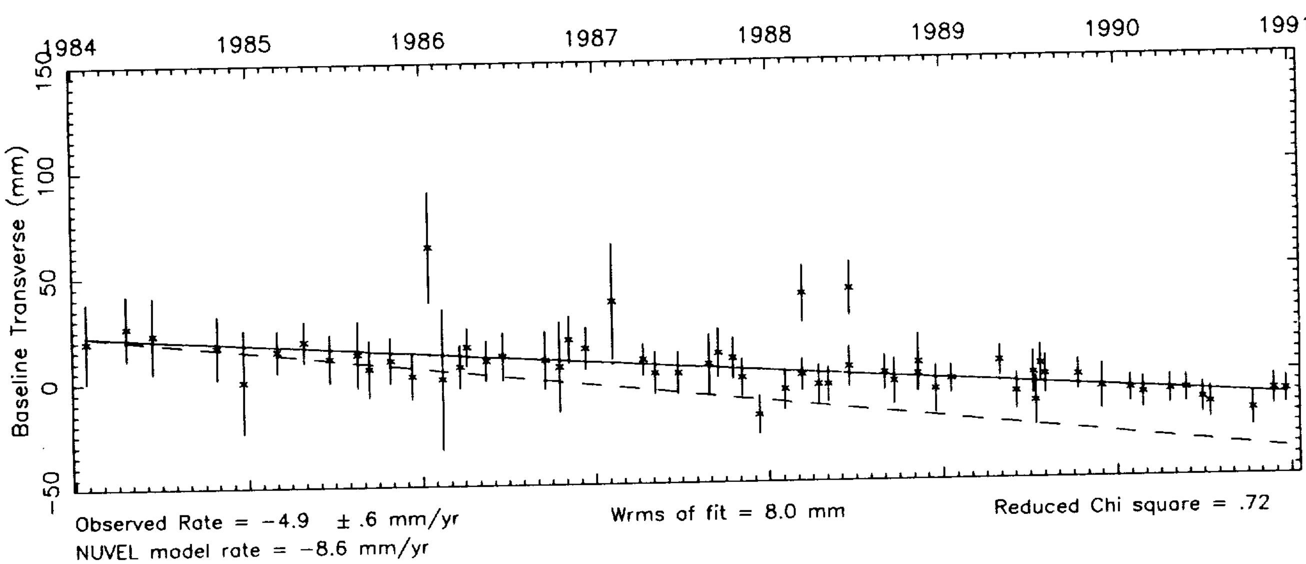
Observed Rate = 39.7 ± 8.2 mm/yr
NUVEL model rate = 10.0 mm/yr

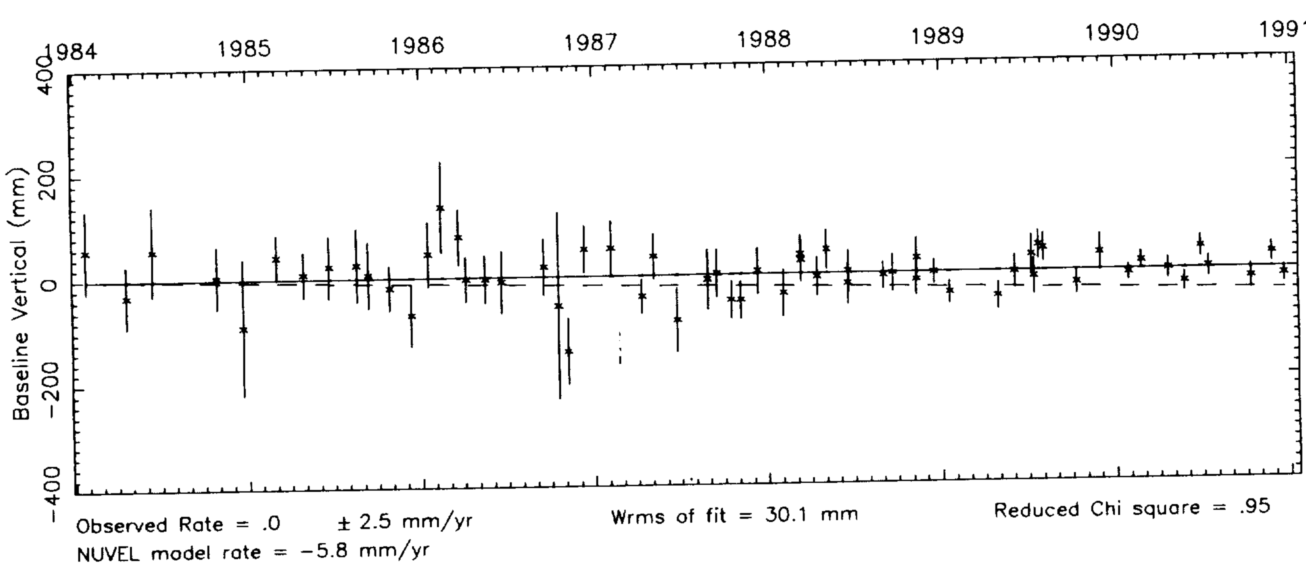
Wrms of fit = 52.7 mm

Reduced Chi square = .44

Vector baseline plots for ONSALA60–RICHMOND



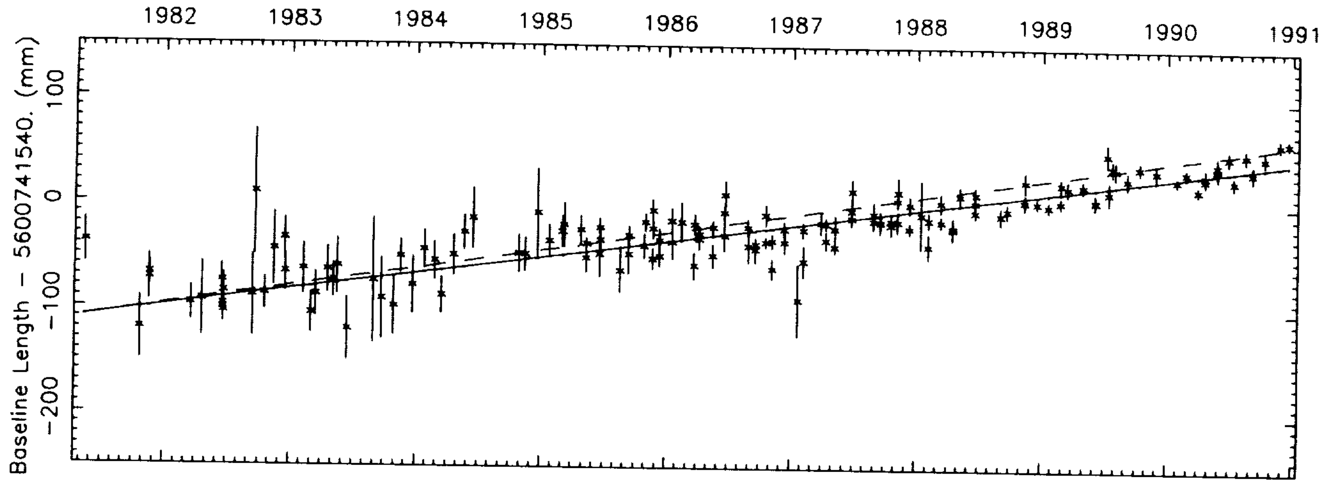




Vector baseline plots for ONSALA60–WESTFORD

Baseline length = 5601 kilometers

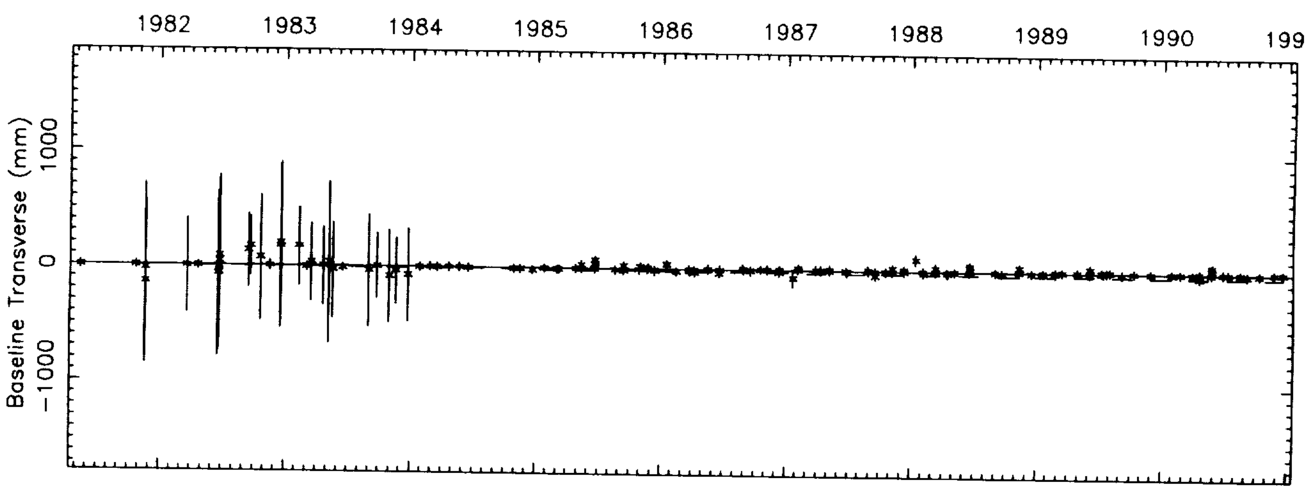
Number of sessions = 147



Observed Rate = 15.8 ± .6 mm/yr
NUVEL model rate = 17.6 mm/yr

Wrms of fit = 13.6 mm
Weighted mean length = 5600741537.2 mm

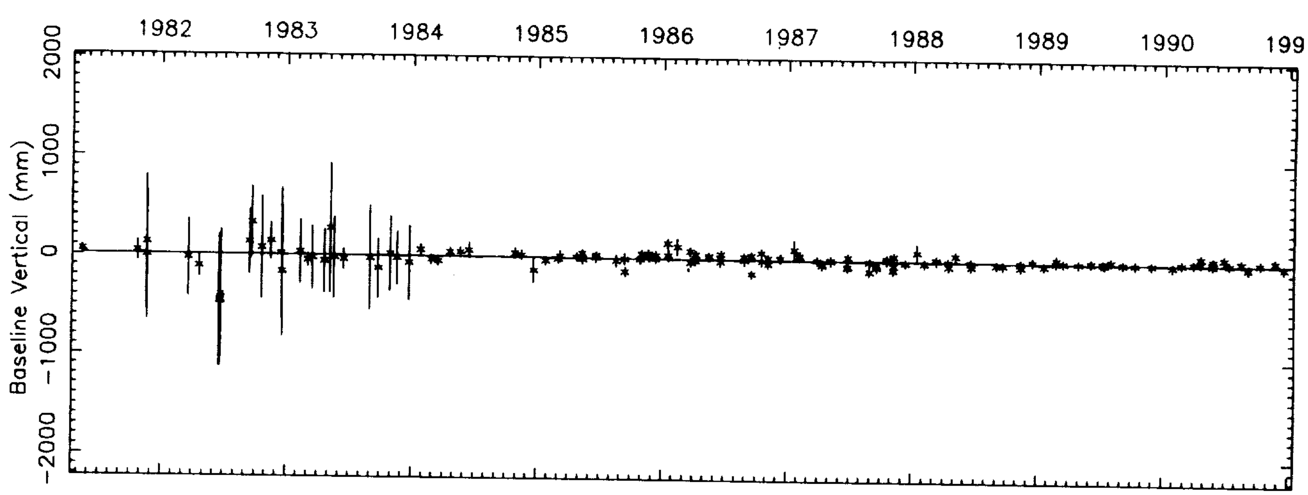
Reduced Chi square = 2.54



Observed Rate = –.1 ± .5 mm/yr
NUVEL model rate = –4.3 mm/yr

Wrms of fit = 12.2 mm

Reduced Chi square = 1.97



Observed Rate = –1.7 ± 1.6 mm/yr
NUVEL model rate = –2.6 mm/yr

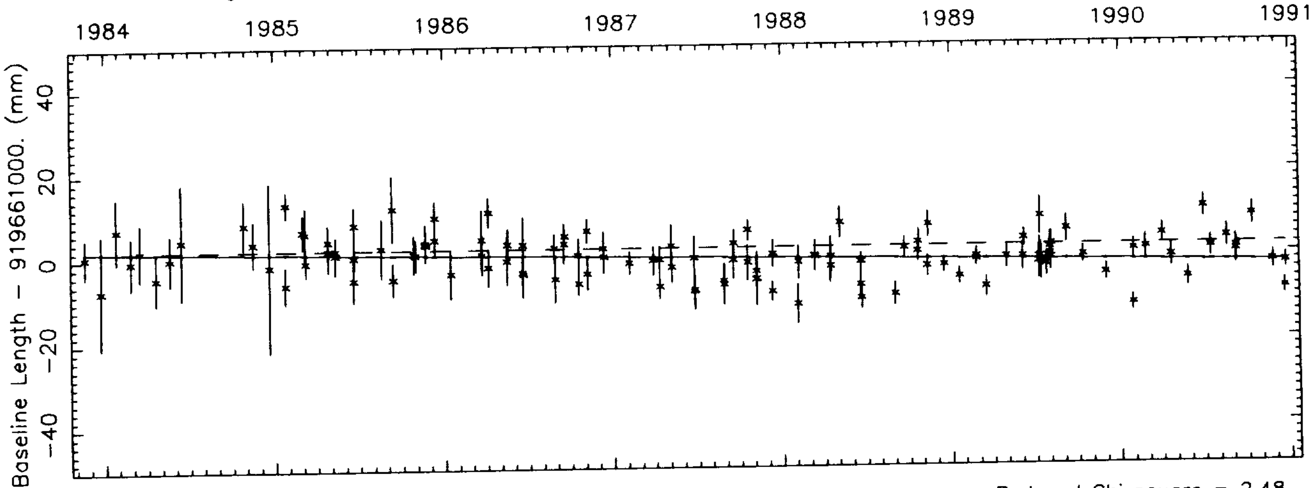
Wrms of fit = 35.4 mm

Reduced Chi square = 1.42

Vector baseline plots for ONSALA60–WETTZELL

Baseline length = 920 kilometers

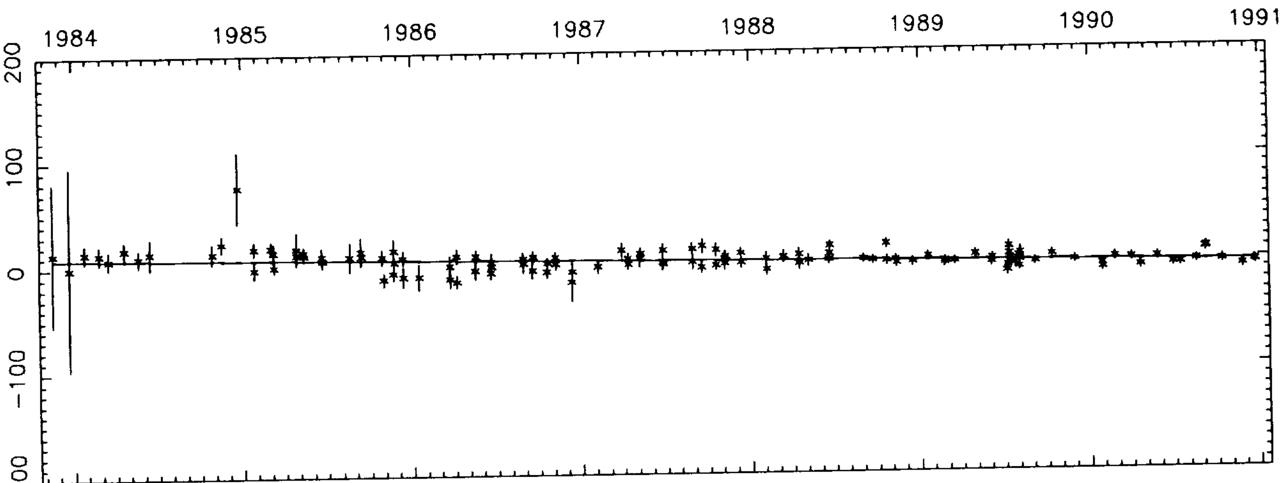
Number of sessions = 125



Observed Rate = –.6 ± .3 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 4.9 mm
Weighted mean length = 919660999.1 mm

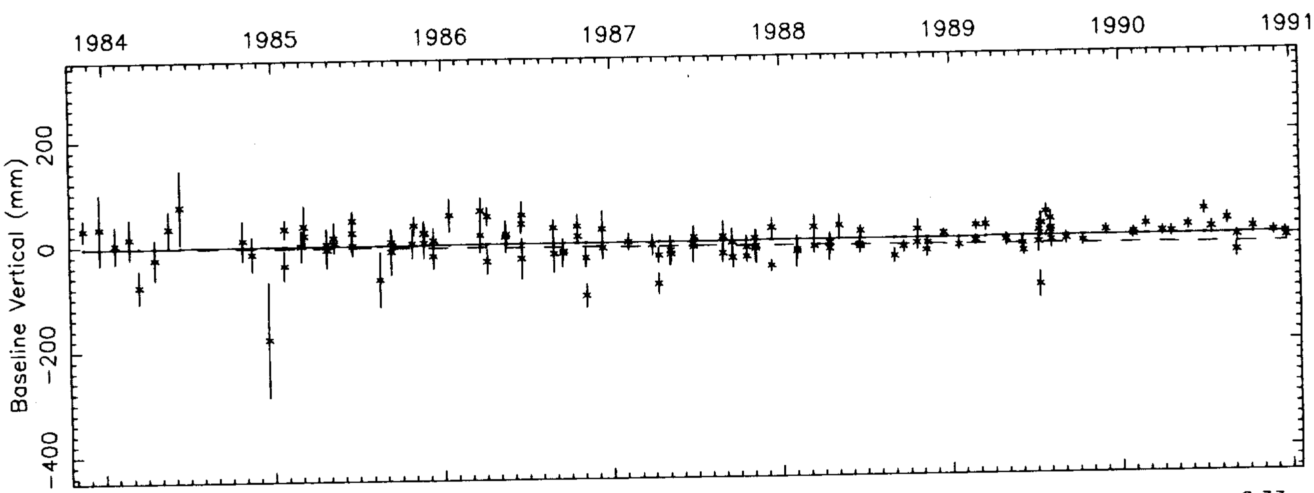
Reduced Chi square = 2.48



Observed Rate = –1.7 ± .3 mm/yr
NUVEL model rate = –1.6 mm/yr

Wrms of fit = 5.6 mm

Reduced Chi square = 1.90



Observed Rate = .7 ± 1.2 mm/yr
NUVEL model rate = –1.8 mm/yr

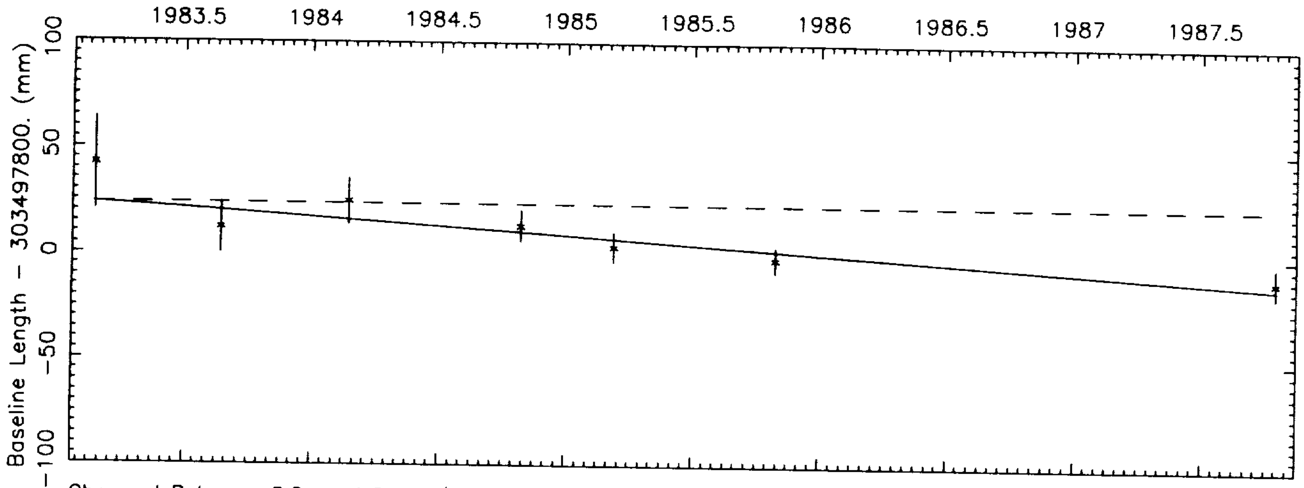
Wrms of fit = 22.8 mm

Reduced Chi square = 2.33

Vector baseline plots for OVRO 130–PBLOSSOM

Baseline length = 303 kilometers

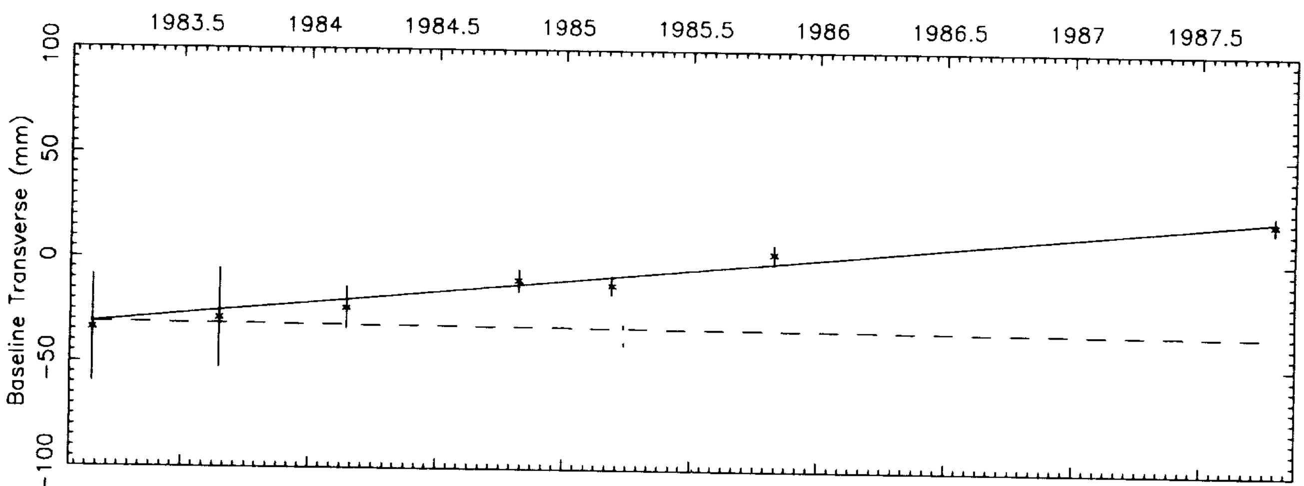
Number of sessions = 7



Observed Rate = −8.0 ± 1.9 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 5.3 mm
Weighted mean length = 303497804.4 mm

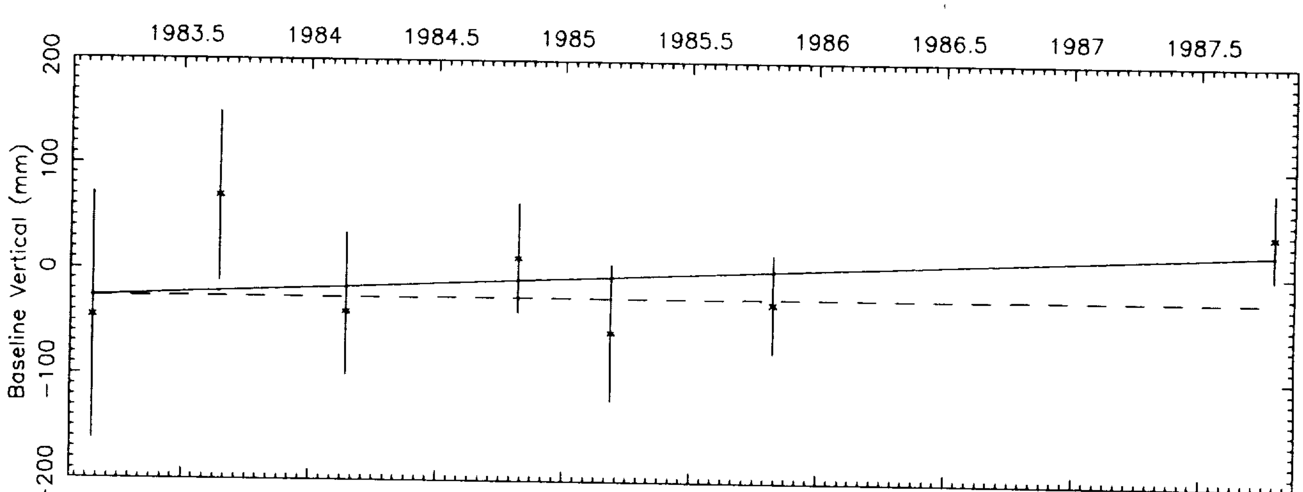
Reduced Chi square = .57



Observed Rate = 11.2 ± 1.2 mm/yr
NUVEL model rate = −.8 mm/yr

Wrms of fit = 3.3 mm

Reduced Chi square = .44



Observed Rate = 10.3 ± 11.3 mm/yr
NUVEL model rate = .5 mm/yr

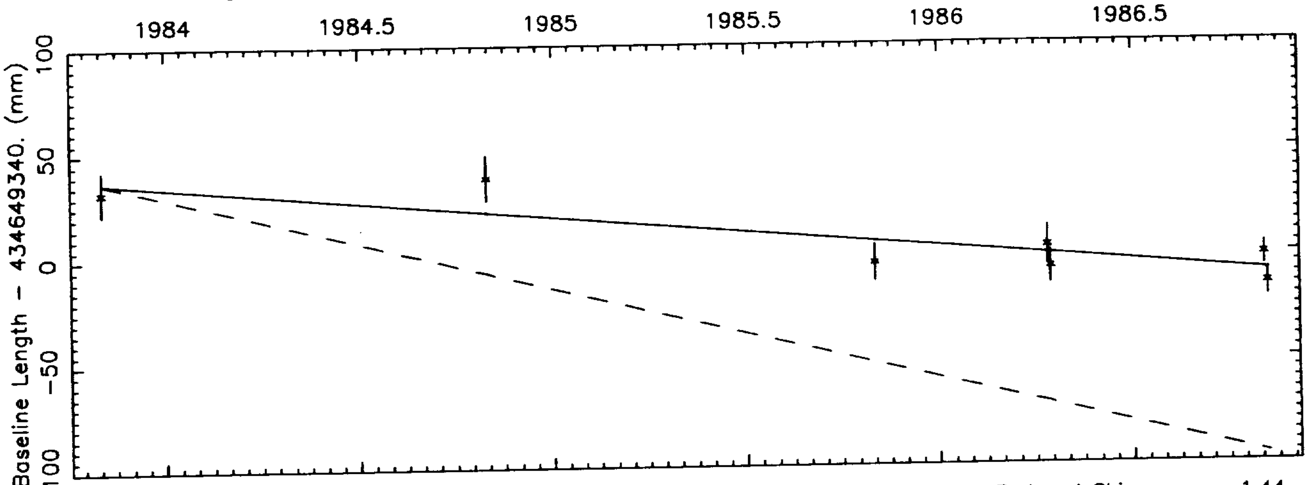
Wrms of fit = 37.1 mm

Reduced Chi square = .57

Vector baseline plots for OVRO 130–PINFLATS

Baseline length = 435 kilometers

Number of sessions = 7



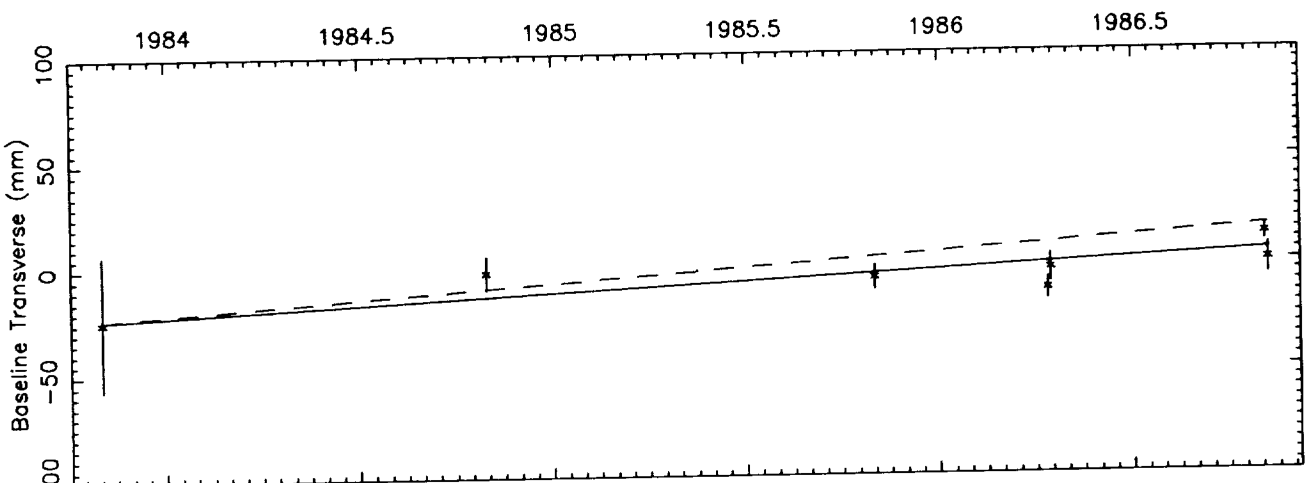
Observed Rate = −15.1 ± 4.0 mm/yr

NUVEL model rate = −44.1 mm/yr

Wrms of fit = 8.0 mm

Weighted mean length = 434649341.0 mm

Reduced Chi square = 1.44

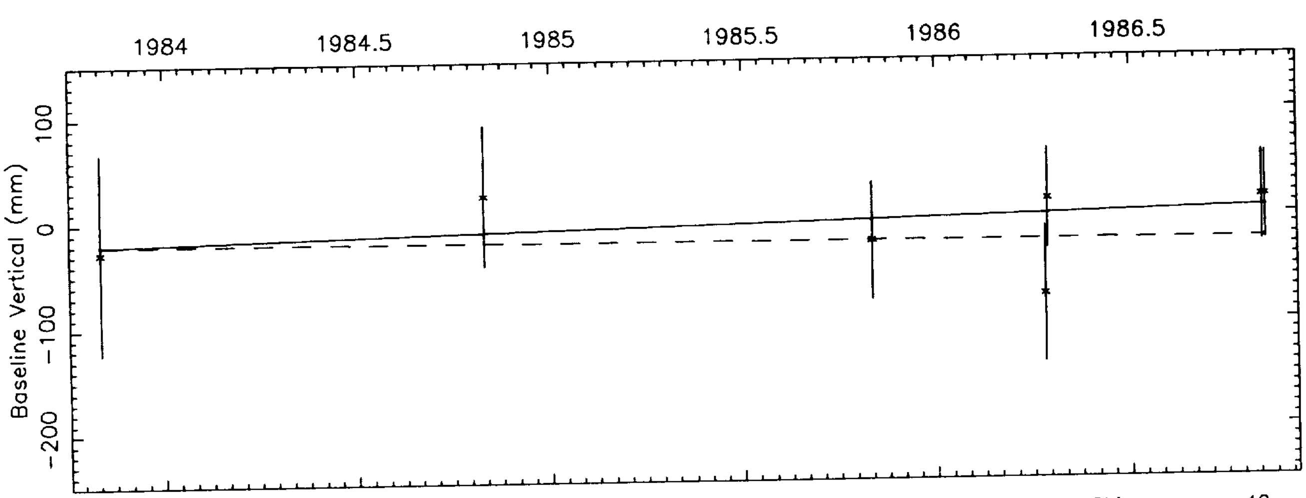


Observed Rate = 9.4 ± 5.9 mm/yr

NUVEL model rate = 13.2 mm/yr

Wrms of fit = 8.0 mm

Reduced Chi square = 2.38



Observed Rate = 8.5 ± 16.1 mm/yr

NUVEL model rate = −1.2 mm/yr

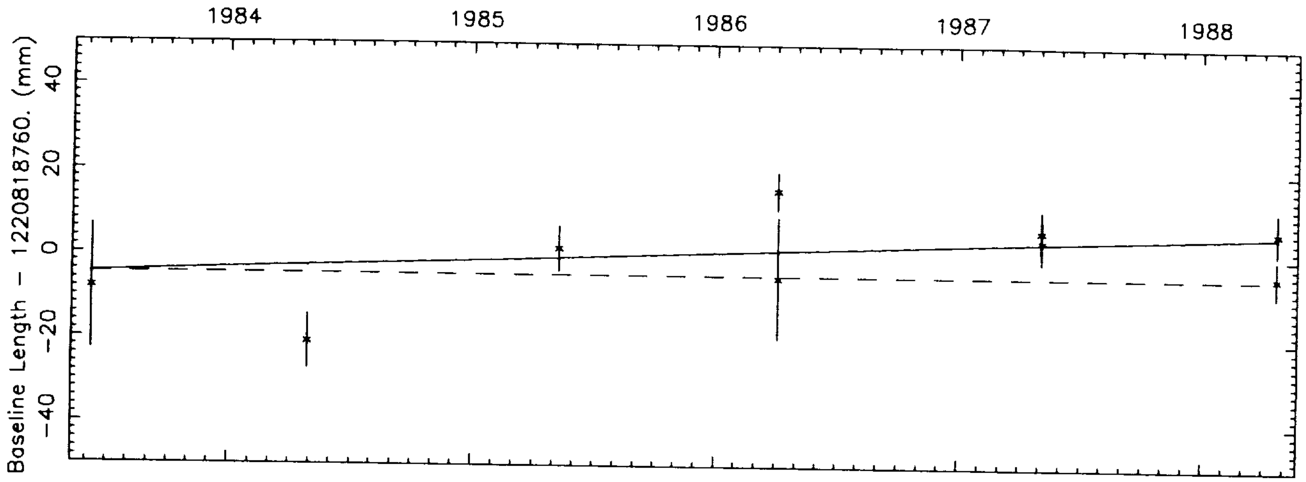
Wrms of fit = 28.4 mm

Reduced Chi square = .40

Vector baseline plots for OVRO 130–PLATTVIL

Baseline length = 1221 kilometers

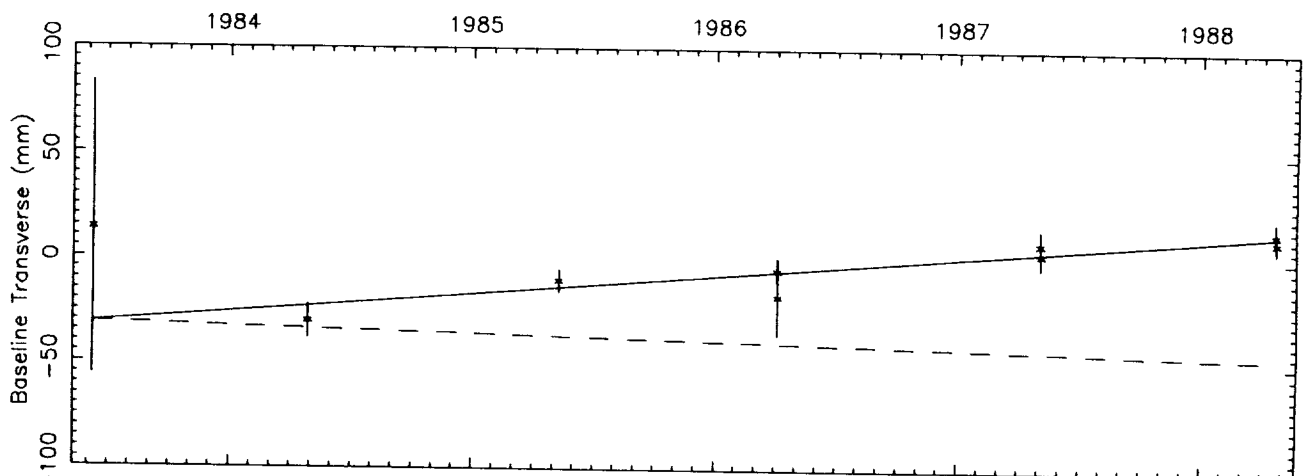
Number of sessions = 9



Observed Rate = 2.1 ± 2.6 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 9.1 mm
Weighted mean length = 1220818762.5 mm

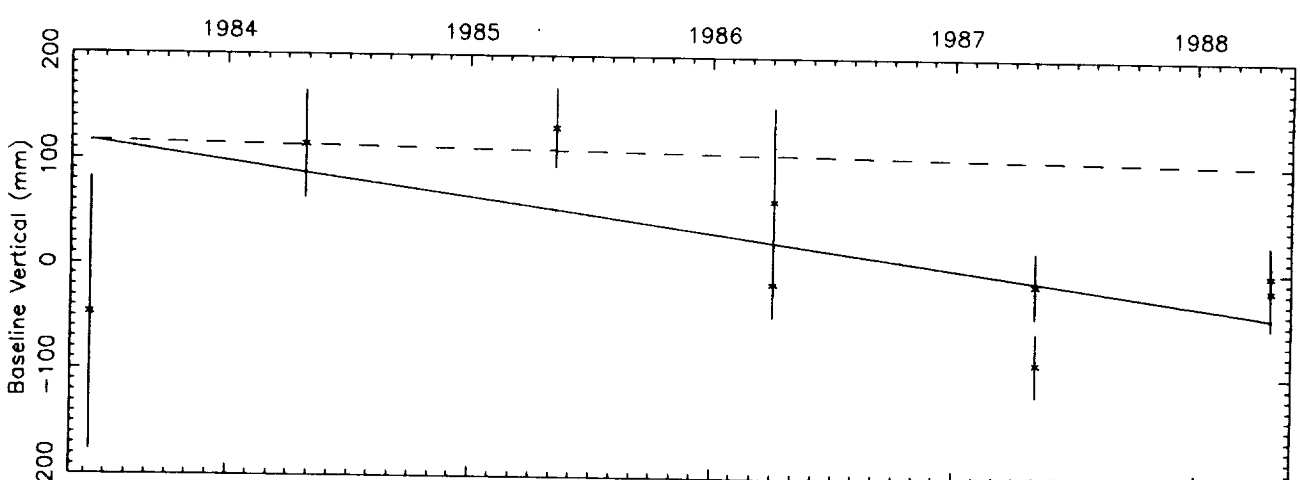
Reduced Chi square = 3.36



Observed Rate = 9.0 ± 1.1 mm/yr
NUVEL model rate = –3.1 mm/yr

Wrms of fit = 3.7 mm

Reduced Chi square = .39



Observed Rate = –32.7 ± 15.9 mm/yr
NUVEL model rate = –3.2 mm/yr

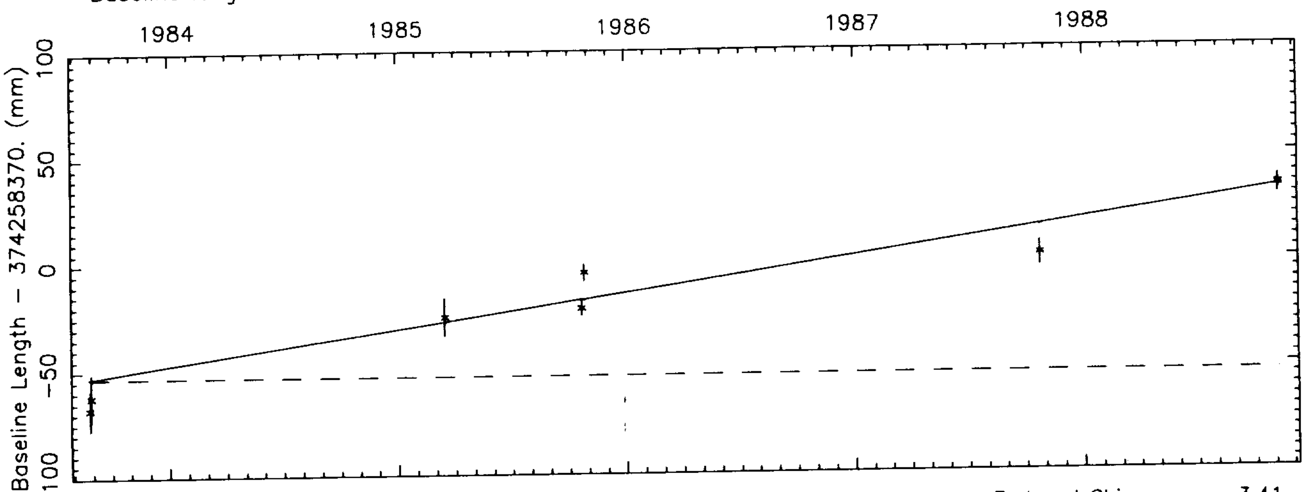
Wrms of fit = 52.0 mm

Reduced Chi square = 2.45

Vector baseline plots for OVRO 130–PRESIDIO

Baseline length = 374 kilometers

Number of sessions = 8



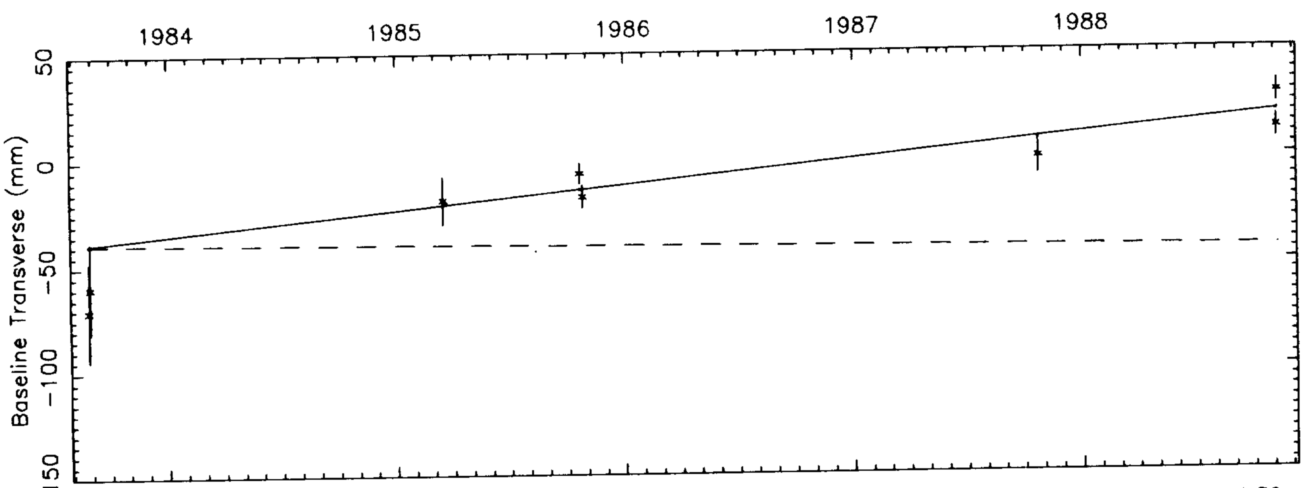
Observed Rate = 16.5 ± 2.0 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 7.9 mm

Weighted mean length = 374258371.3 mm

Reduced Chi square = 3.41

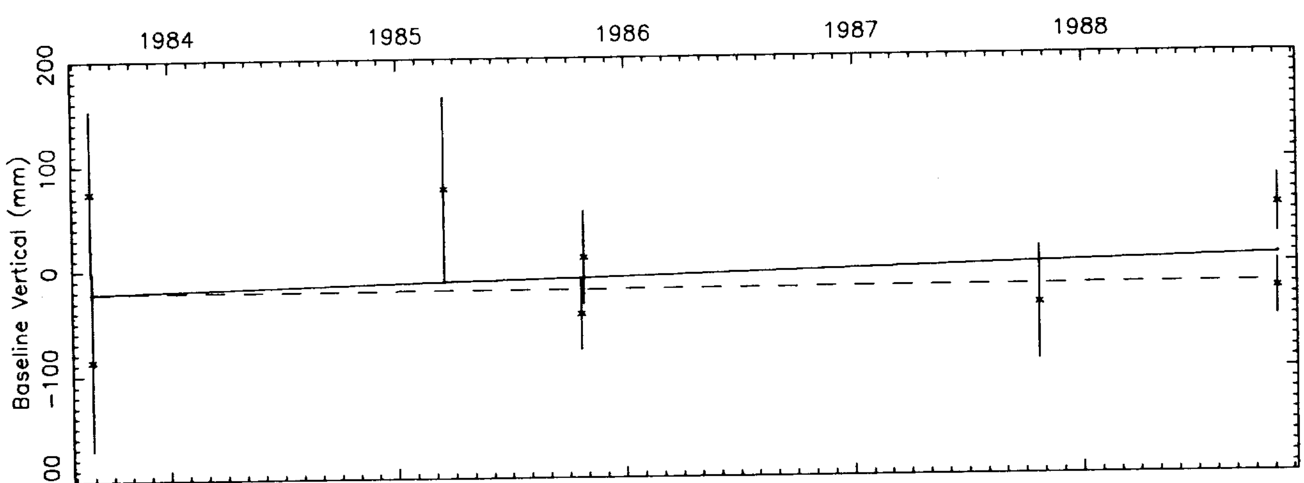


Observed Rate = 11.3 ± 2.2 mm/yr

NUVEL model rate = –.9 mm/yr

Wrms of fit = 8.2 mm

Reduced Chi square = 1.89



Observed Rate = 5.6 ± 10.5 mm/yr

NUVEL model rate = .6 mm/yr

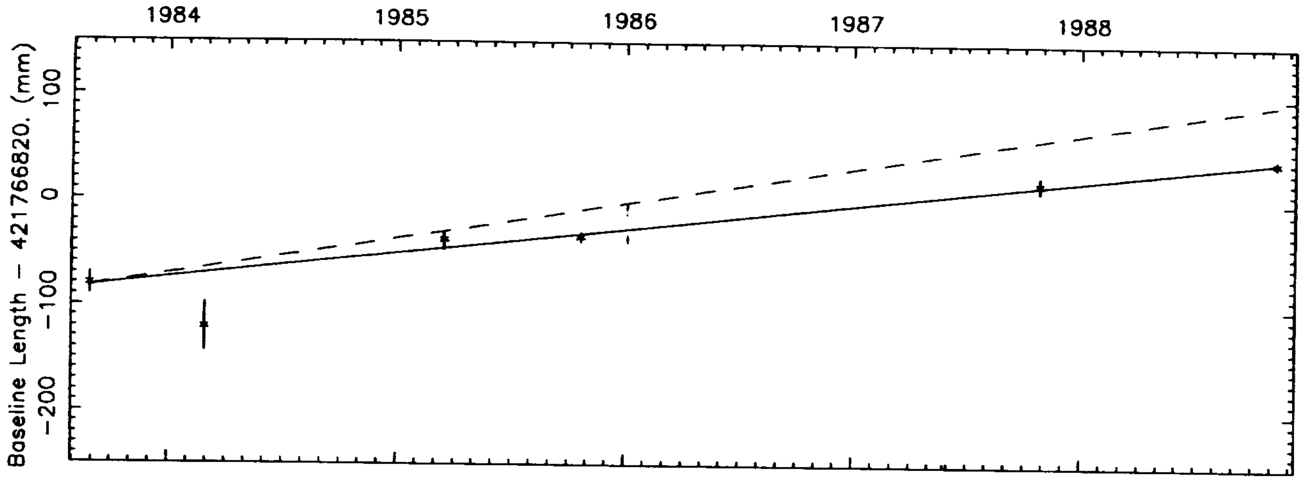
Wrms of fit = 43.5 mm

Reduced Chi square = 1.52

Vector baseline plots for OVRO 130-PT REYES

Baseline length = 422 kilometers

Number of sessions = 6



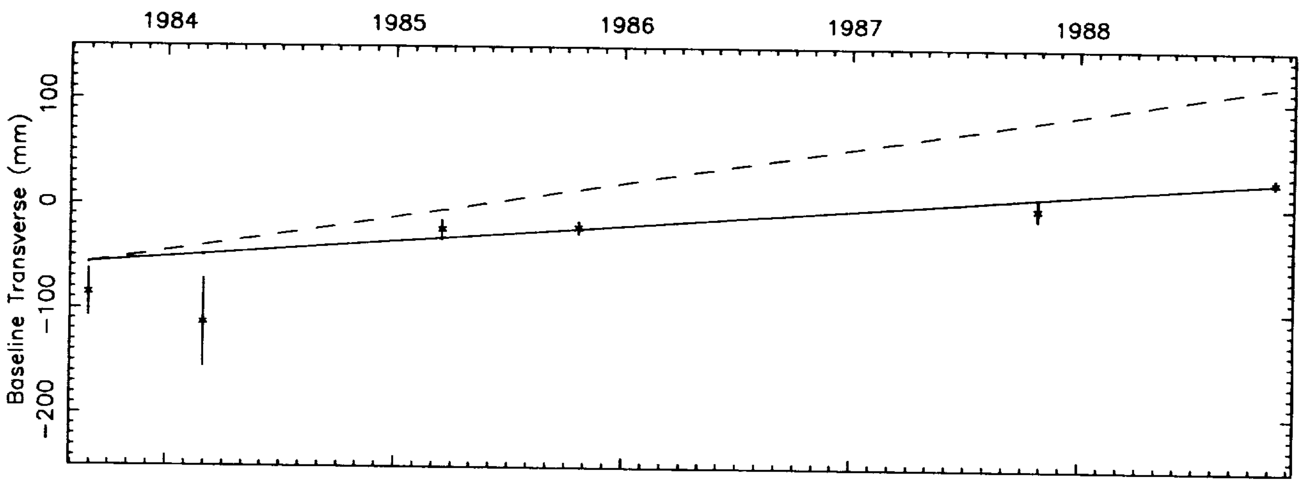
Observed Rate = 23.8 ± 1.8 mm/yr

NUVEL model rate = 34.2 mm/yr

Wrms of fit = 6.4 mm

Weighted mean length = 421766817.8 mm

Reduced Chi square = 1.64

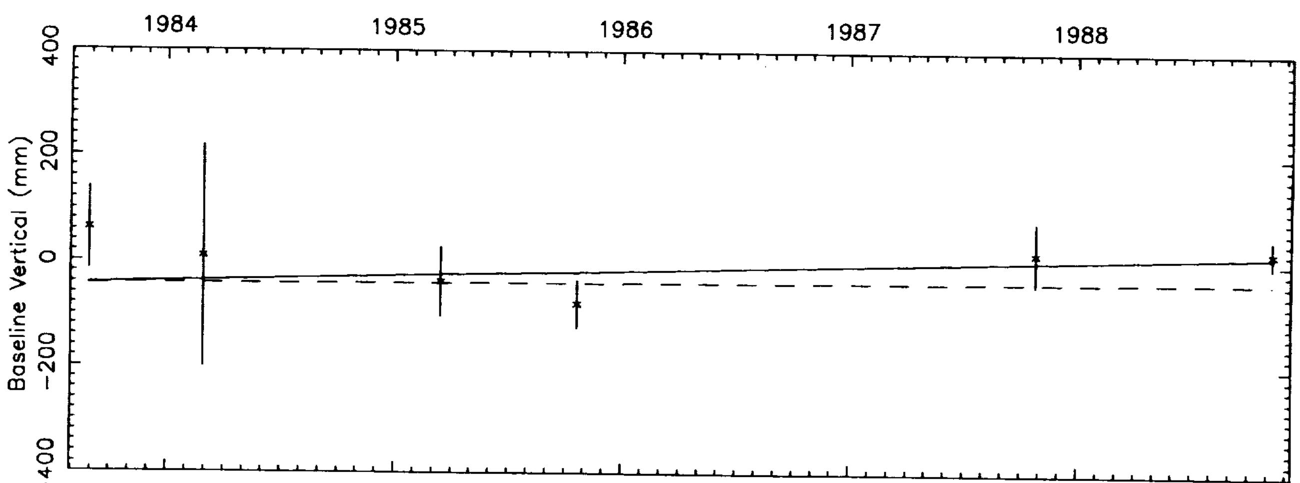


Observed Rate = 15.7 ± 2.4 mm/yr

NUVEL model rate = 33.2 mm/yr

Wrms of fit = 8.0 mm

Reduced Chi square = 1.52



Observed Rate = 11.3 ± 10.9 mm/yr

NUVEL model rate = 1.6 mm/yr

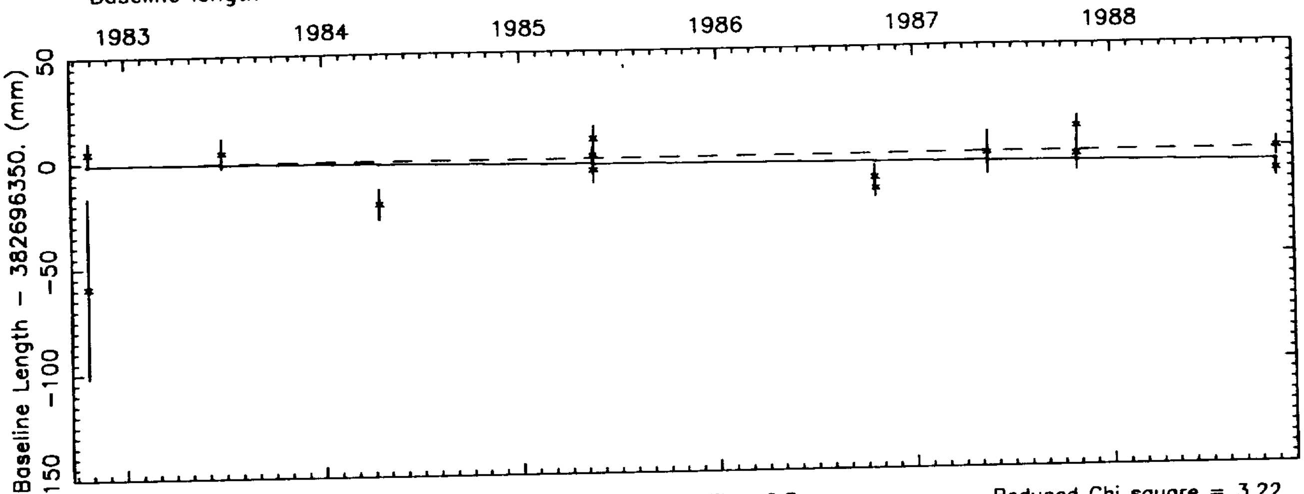
Wrms of fit = 38.3 mm

Reduced Chi square = .96

Vector baseline plots for OVRO 130–QUINCY

Baseline length = 383 kilometers

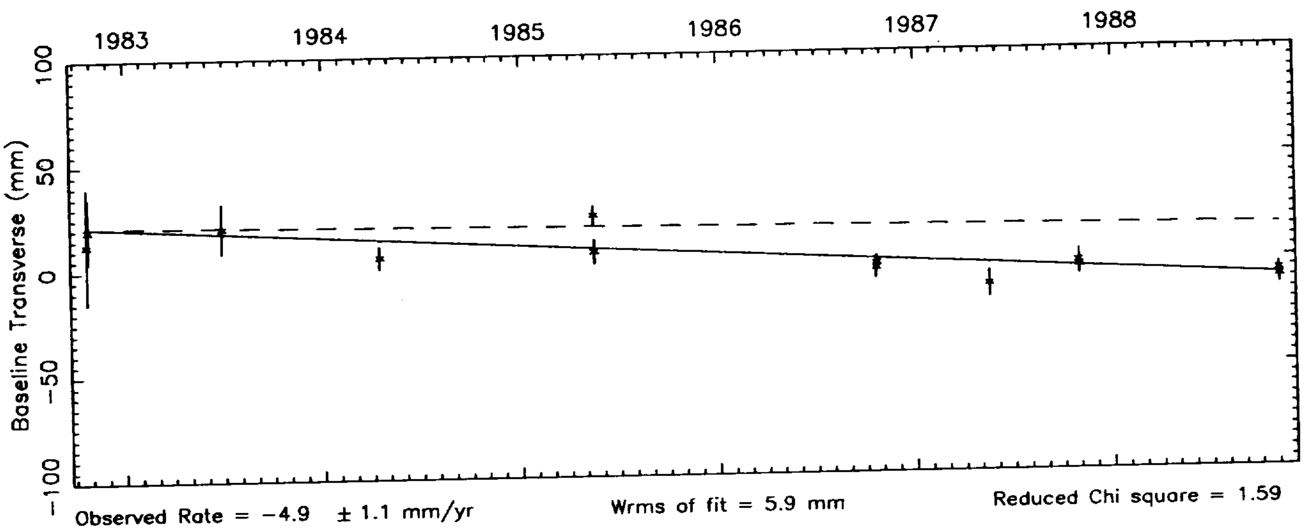
Number of sessions = 14



Observed Rate = –1.0 ± 1.4 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 9.3 mm
Weighted mean length = 382696345.3 mm

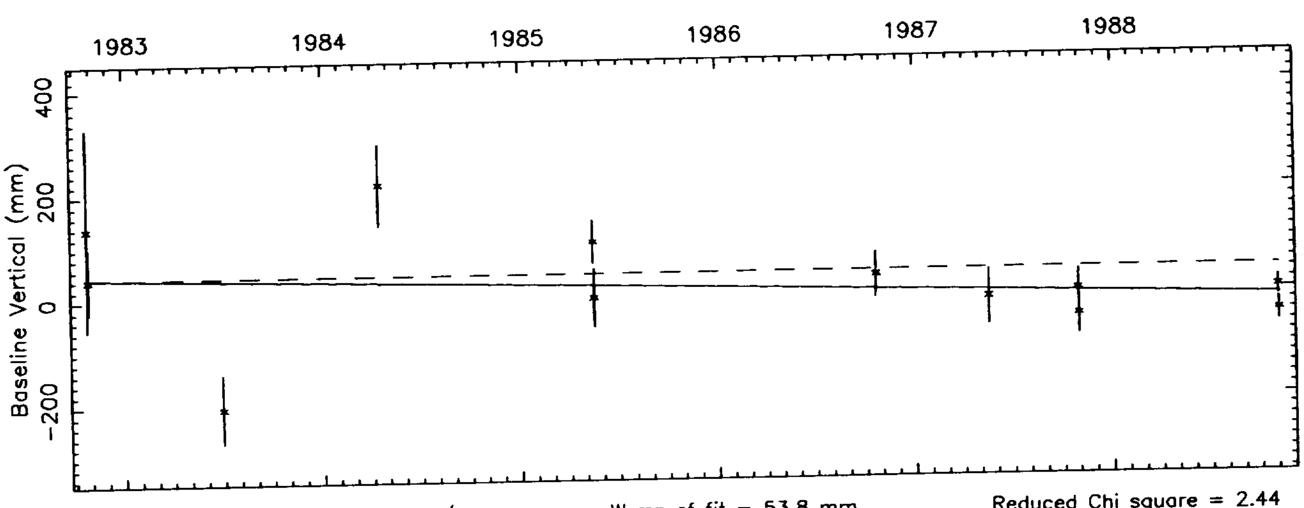
Reduced Chi square = 3.22



Observed Rate = –4.9 ± 1.1 mm/yr
NUVEL model rate = –.9 mm/yr

Wrms of fit = 5.9 mm

Reduced Chi square = 1.59



Observed Rate = –9.5 ± 9.4 mm/yr
NUVEL model rate = –.2 mm/yr

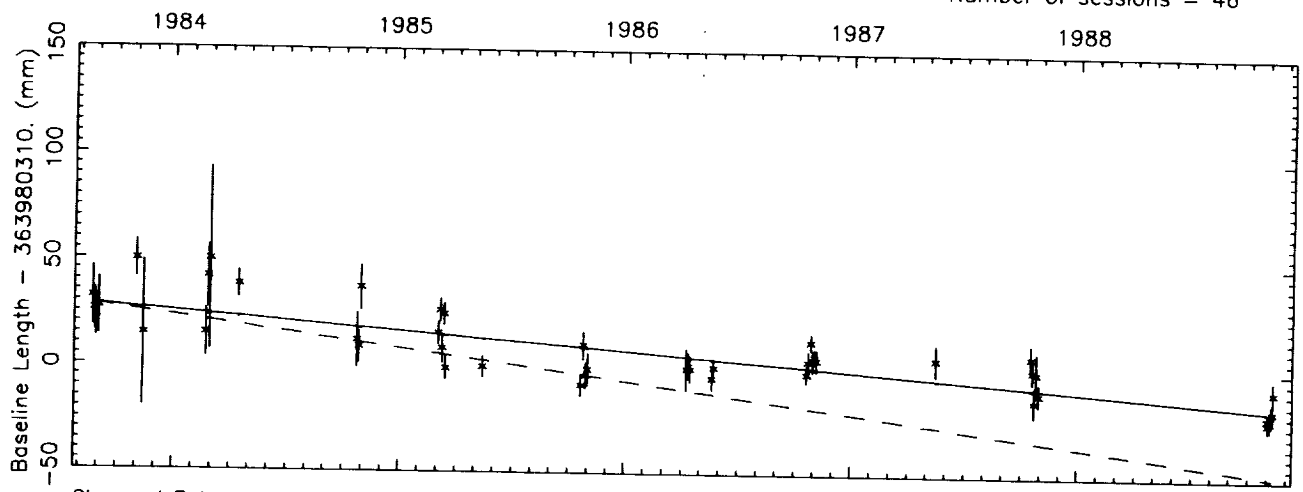
Wrms of fit = 53.8 mm

Reduced Chi square = 2.44

Vector baseline plots for OVRO 130–VNDNBERG

Baseline length = 364 kilometers

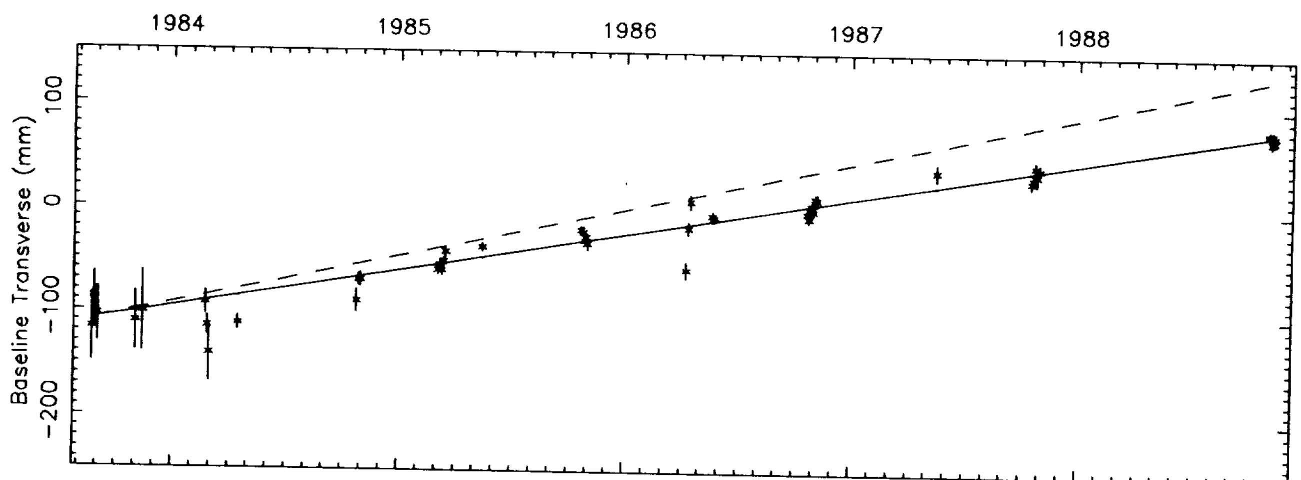
Number of sessions = 46



Observed Rate = –8.8 ± .9 mm/yr
NUVEL model rate = –14.8 mm/yr

Wrms of fit = 8.6 mm
Weighted mean length = 363980310.1 mm

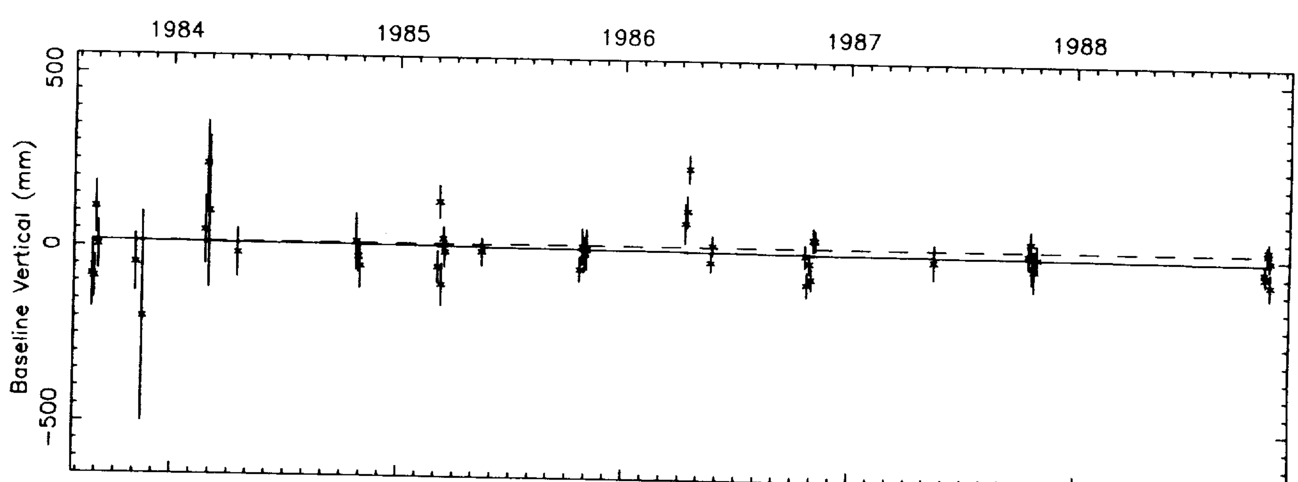
Reduced Chi square = 2.31



Observed Rate = 35.8 ± .9 mm/yr
NUVEL model rate = 45.9 mm/yr

Wrms of fit = 8.6 mm

Reduced Chi square = 3.06

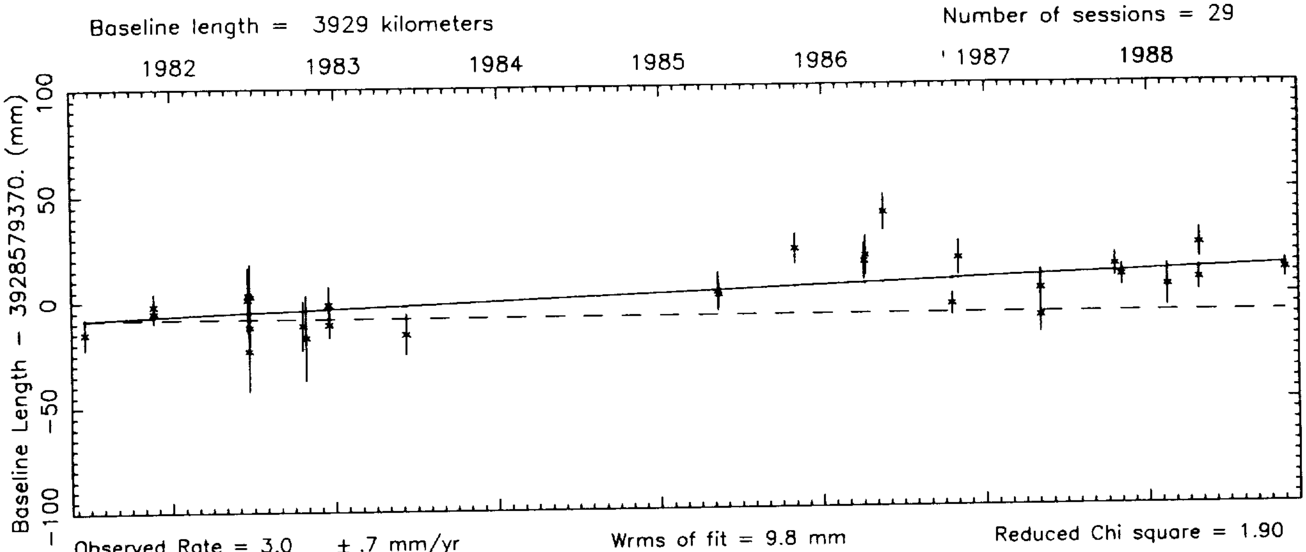


Observed Rate = –4.9 ± 5.7 mm/yr
NUVEL model rate = .6 mm/yr

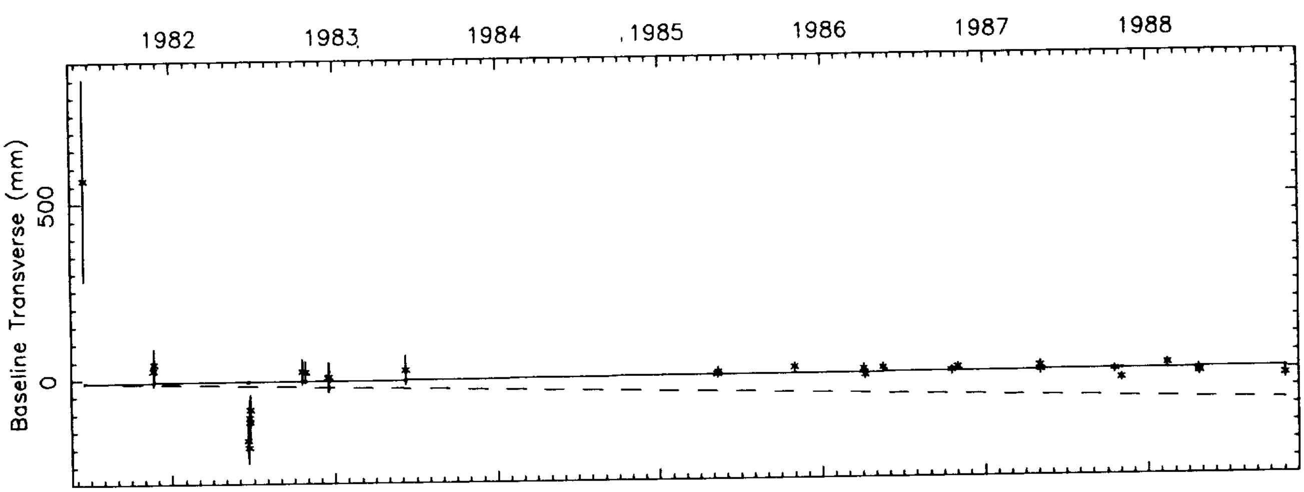
Wrms of fit = 56.3 mm

Reduced Chi square = 2.22

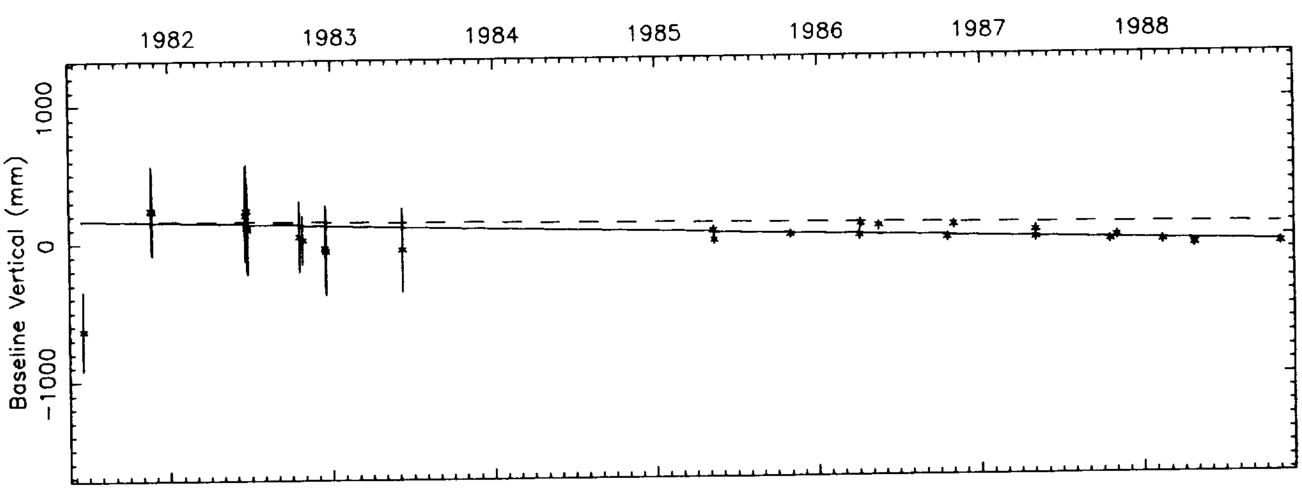
Vector baseline plots for OVRO 130–WESTFORD



Observed Rate = 3.0 ± .7 mm/yr
NUVEL model rate = .0 mm/yr
Wrms of fit = 9.8 mm
Weighted mean length = 3928579373.7 mm
Reduced Chi square = 1.90



Observed Rate = 1.8 ± 3.1 mm/yr
NUVEL model rate = −10.4 mm/yr
Wrms of fit = 21.6 mm
Reduced Chi square = 2.75

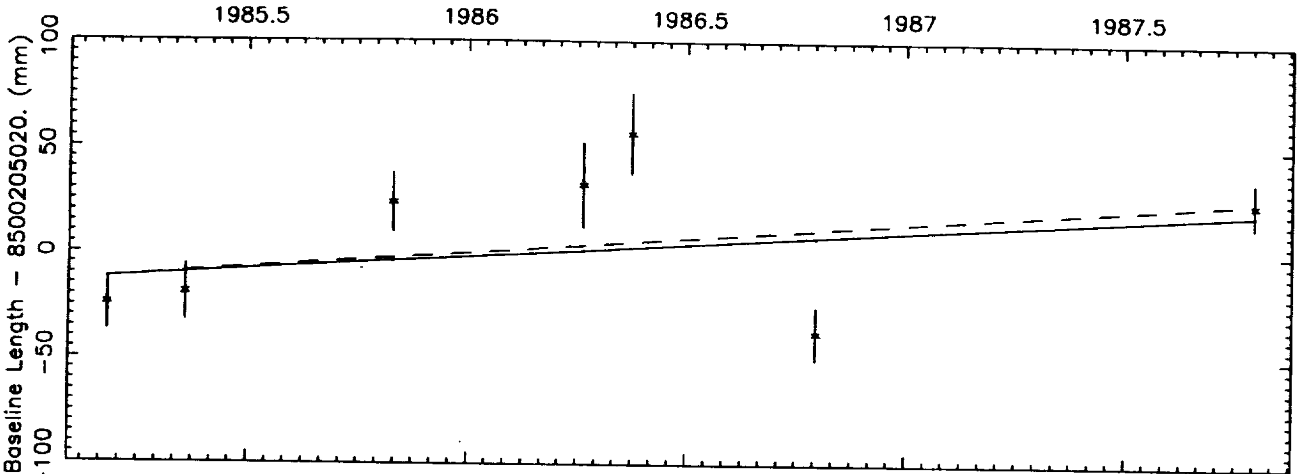


Observed Rate = −28.9 ± 7.4 mm/yr
NUVEL model rate = −10.5 mm/yr
Wrms of fit = 43.2 mm
Reduced Chi square = 1.34

Vector baseline plots for OVRO 130–WETTZELL

Baseline length = 8500 kilometers

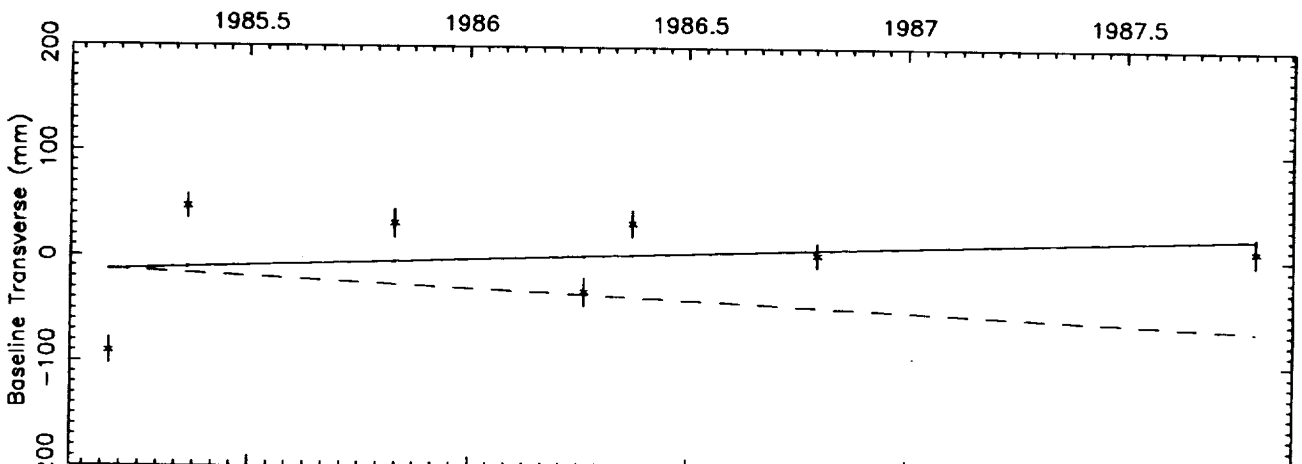
Number of sessions = 7



Observed Rate = 12.1 ± 12.9 mm/yr
NUVEL model rate = 14.4 mm/yr

Wrms of fit = 27.8 mm
Weighted mean length = 8500205021.9 mm

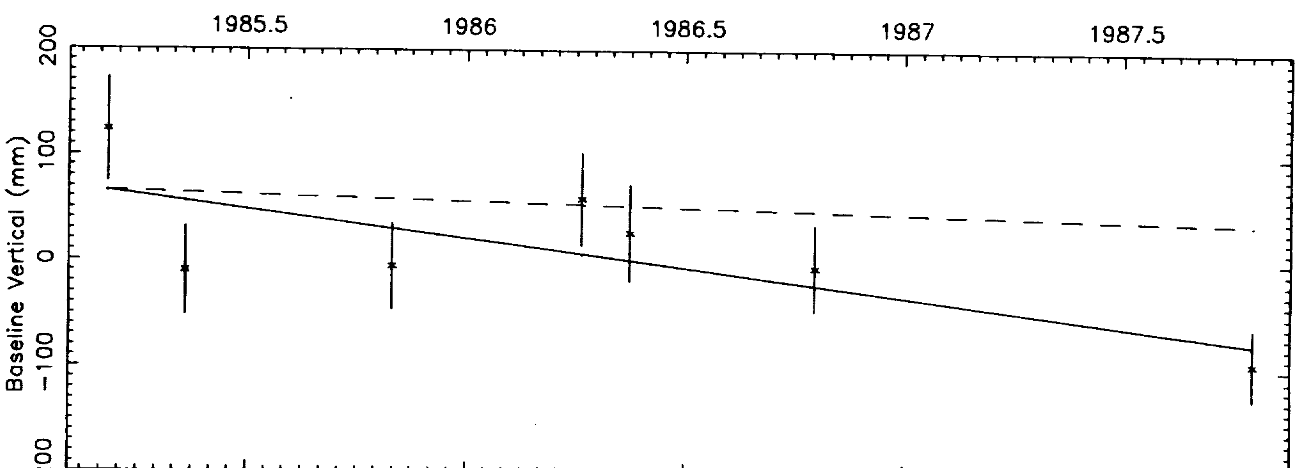
Reduced Chi square = 5.75



Observed Rate = 12.9 ± 23.8 mm/yr
NUVEL model rate = −20.5 mm/yr

Wrms of fit = 43.5 mm

Reduced Chi square = 15.99



Observed Rate = −54.2 ± 20.5 mm/yr
NUVEL model rate = −10.7 mm/yr

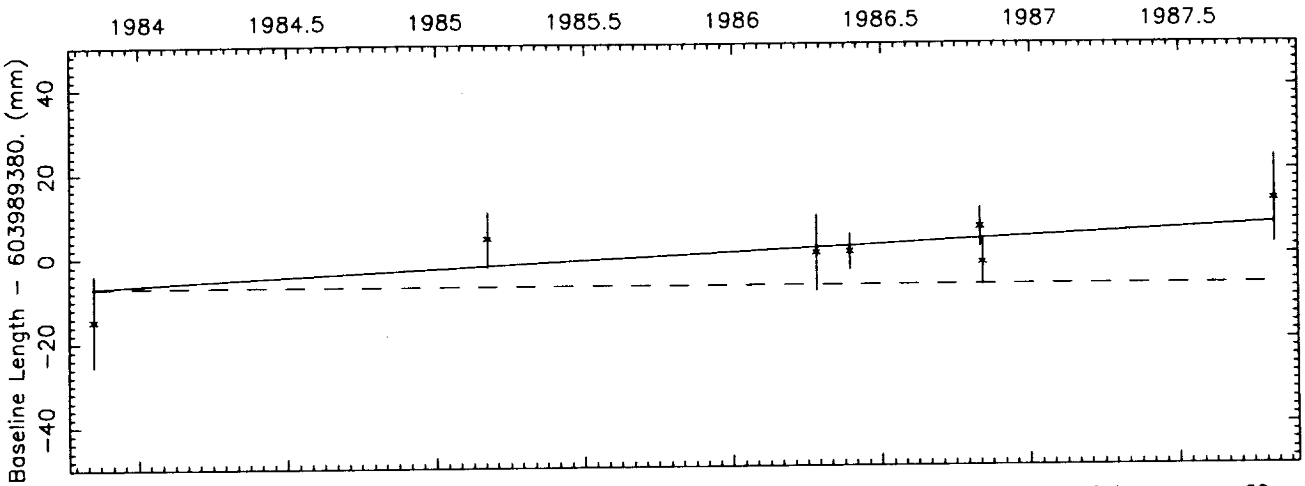
Wrms of fit = 40.9 mm

Reduced Chi square = 1.36

Vector baseline plots for OVRO 130–YUMA

Baseline length = 604 kilometers

Number of sessions = 7



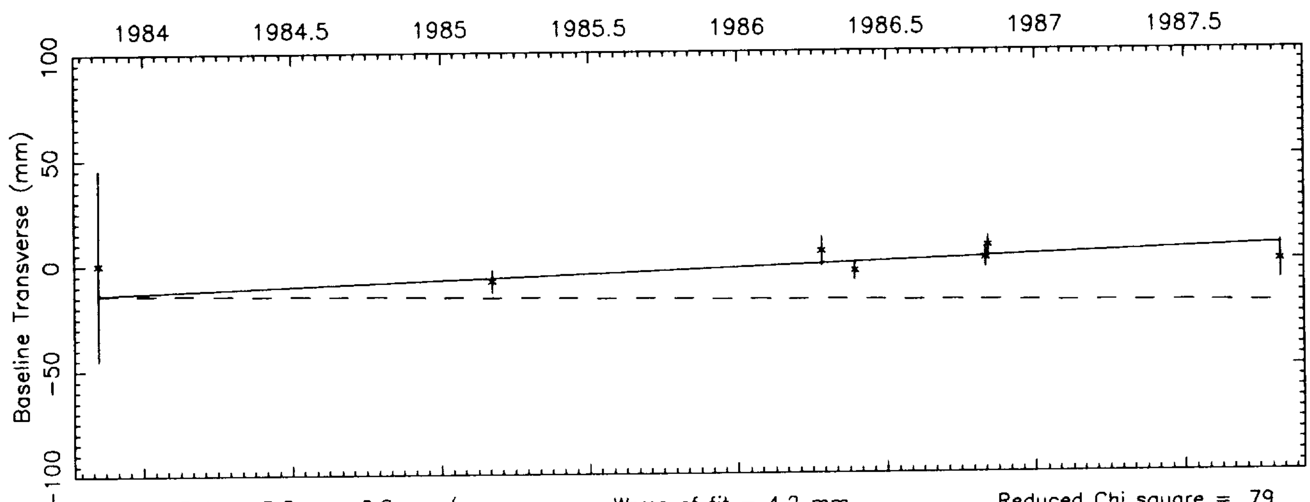
Observed Rate = 3.6 ± 2.3 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.3 mm

Weighted mean length = 603989381.9 mm

Reduced Chi square = .69

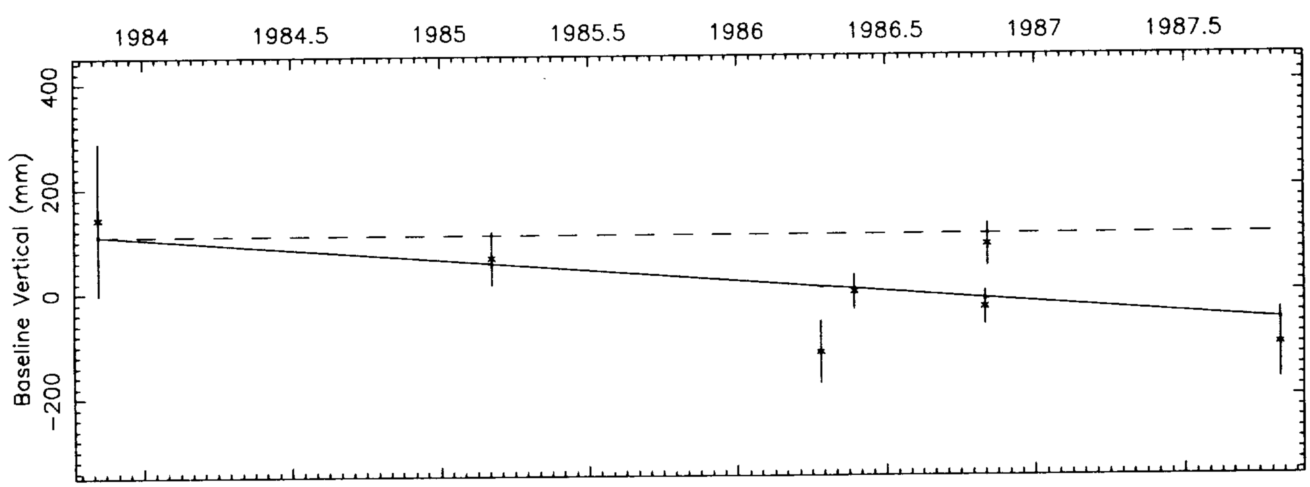


Observed Rate = 5.3 ± 2.8 mm/yr

NUVEL model rate = −1.6 mm/yr

Wrms of fit = 4.2 mm

Reduced Chi square = .79



Observed Rate = −41.2 ± 37.9 mm/yr

NUVEL model rate = .2 mm/yr

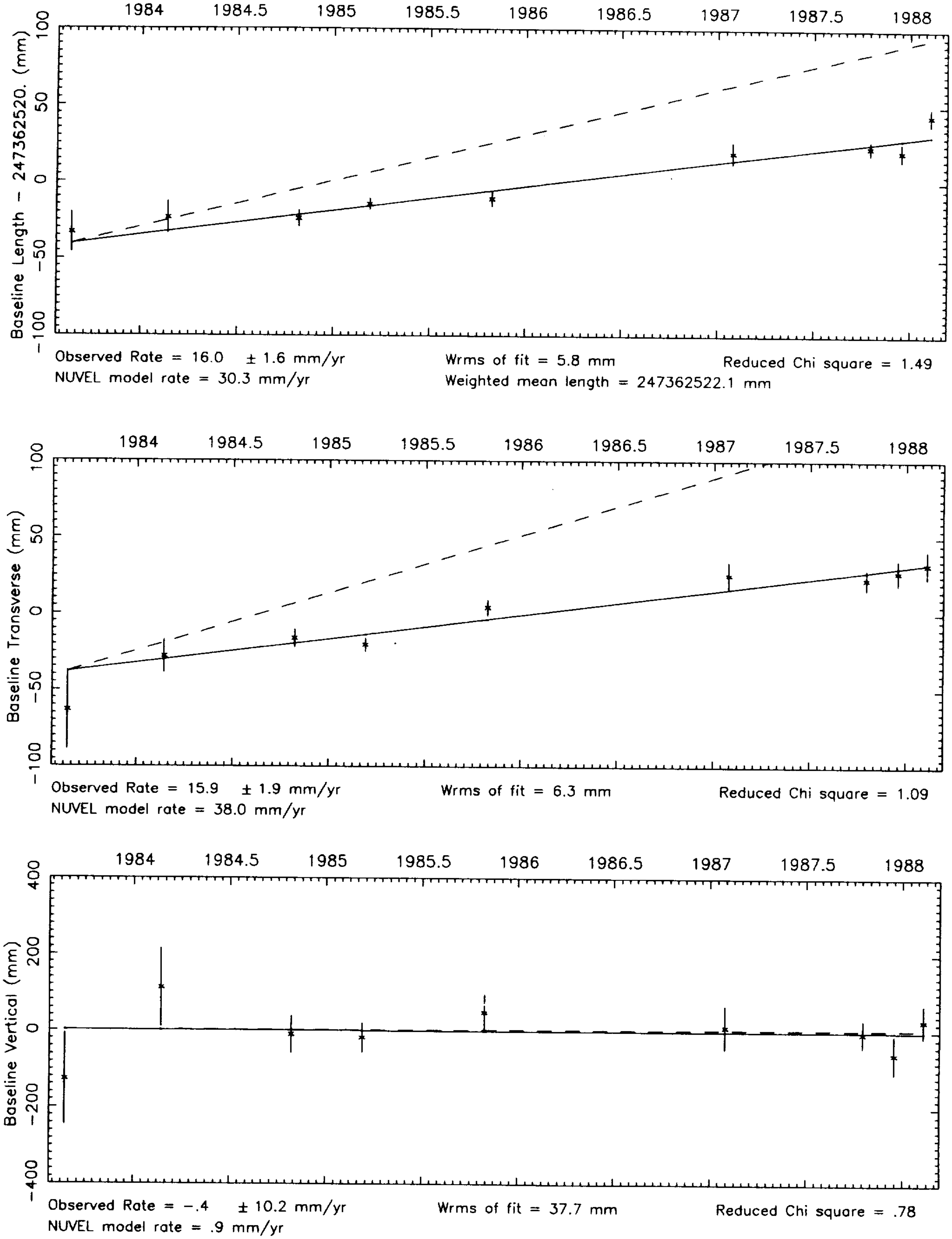
Wrms of fit = 58.2 mm

Reduced Chi square = 2.28

Vector baseline plots for PBLOSSOM-VNDNBERG

Baseline length = 247 kilometers

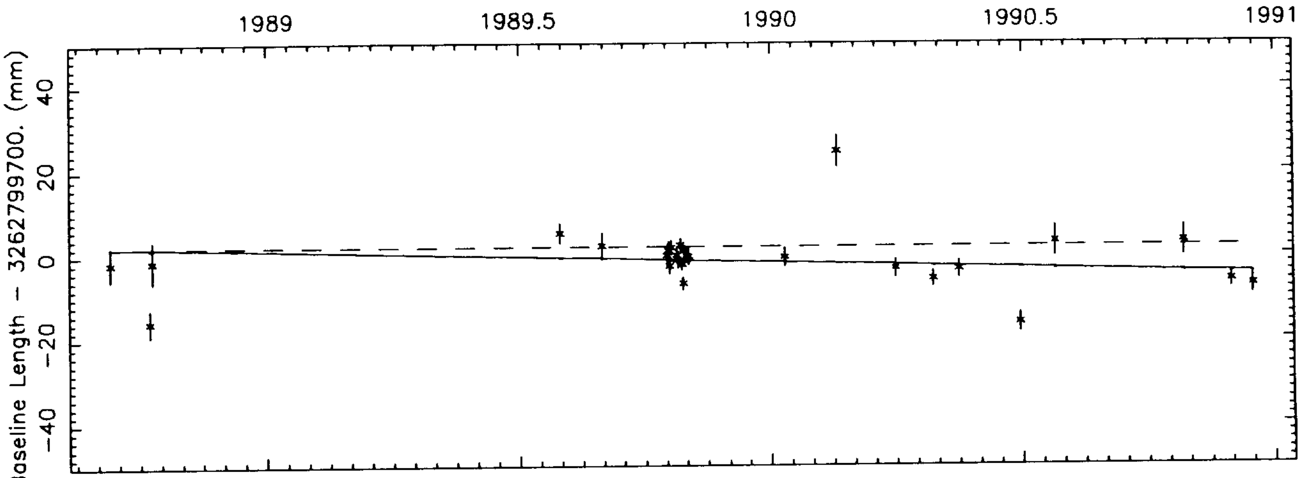
Number of sessions = 9



Vector baseline plots for PIETOWN –WESTFORD

Baseline length = 3263 kilometers

Number of sessions = 27



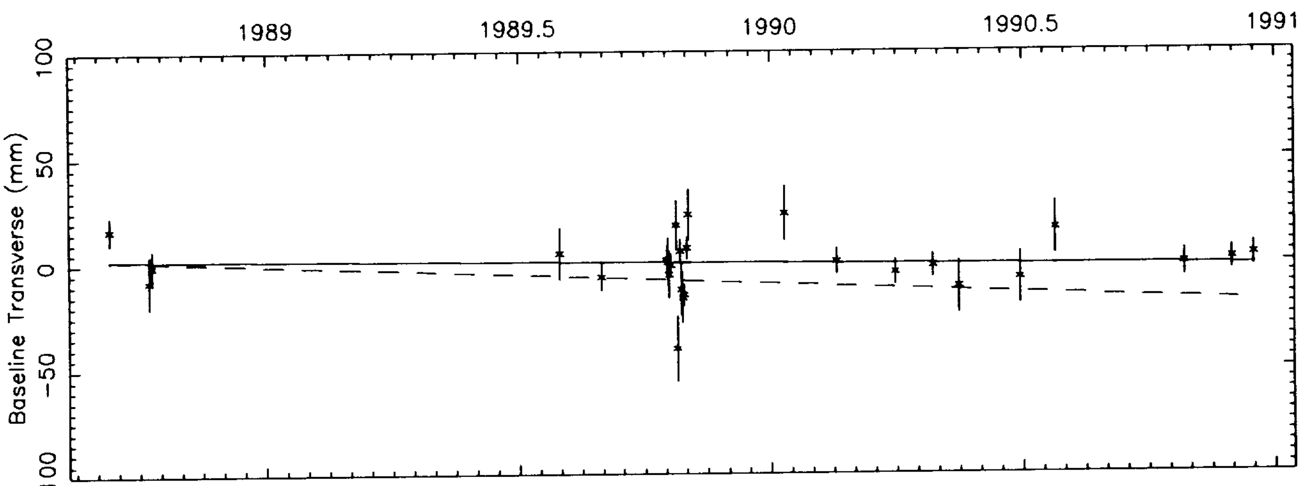
Observed Rate = –2.9 ± 2.4 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.9 mm

Weighted mean length = 3262799698.3 mm

Reduced Chi square = 6.31

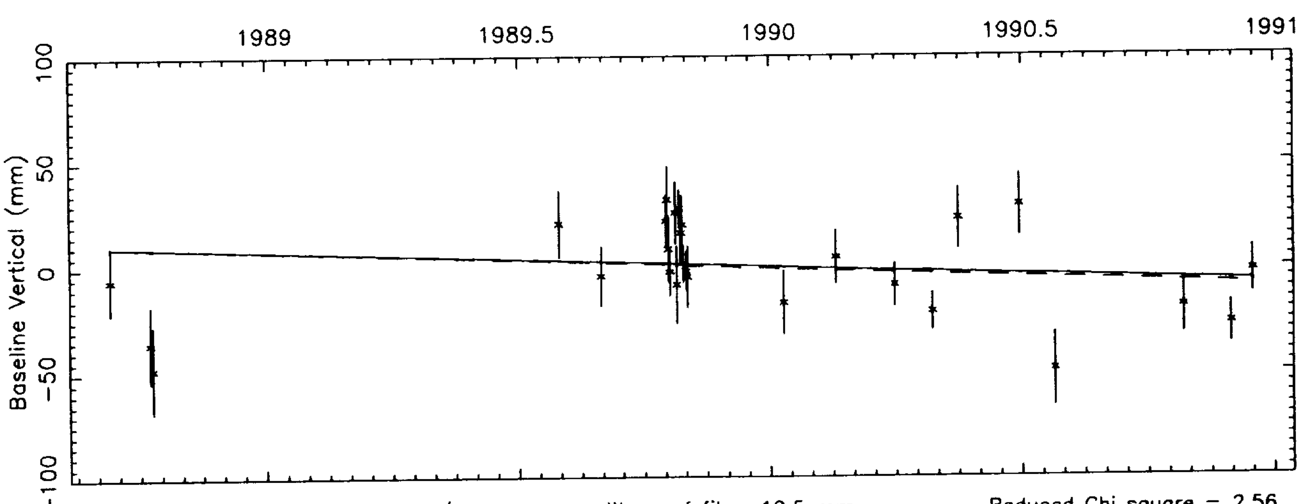


Observed Rate = –1.5 ± 3.2 mm/yr

NUVEL model rate = –9.1 mm/yr

Wrms of fit = 9.4 mm

Reduced Chi square = 1.72



Observed Rate = –7.6 ± 7.7 mm/yr

NUVEL model rate = –8.2 mm/yr

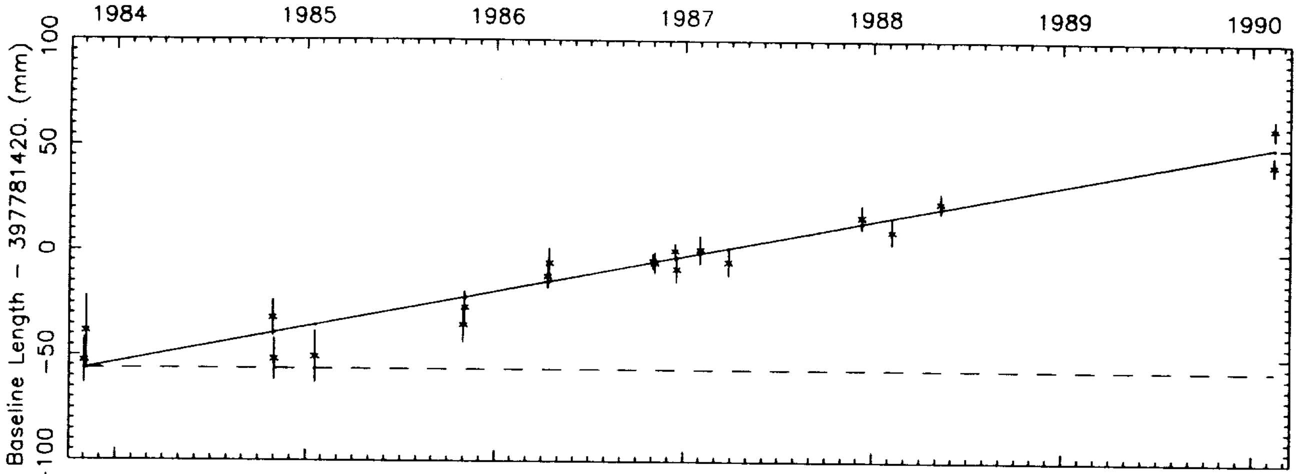
Wrms of fit = 19.5 mm

Reduced Chi square = 2.56

Vector baseline plots for PINFLATS–VNDNBERG

Baseline length = 398 kilometers

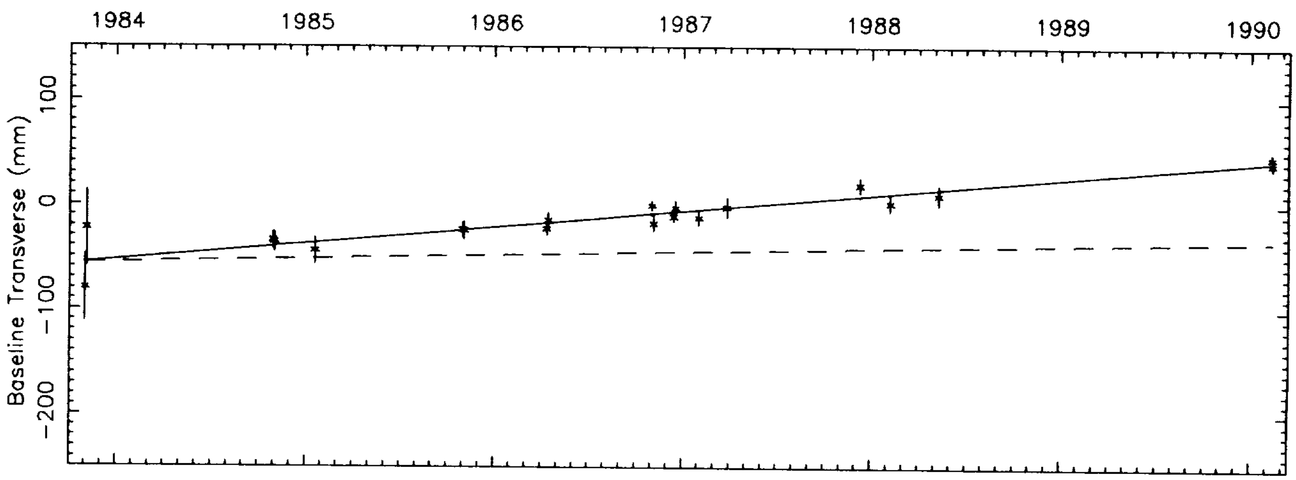
Number of sessions = 20



Observed Rate = 17.0 ± 1.0 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 6.0 mm
Weighted mean length = 397781423.5 mm

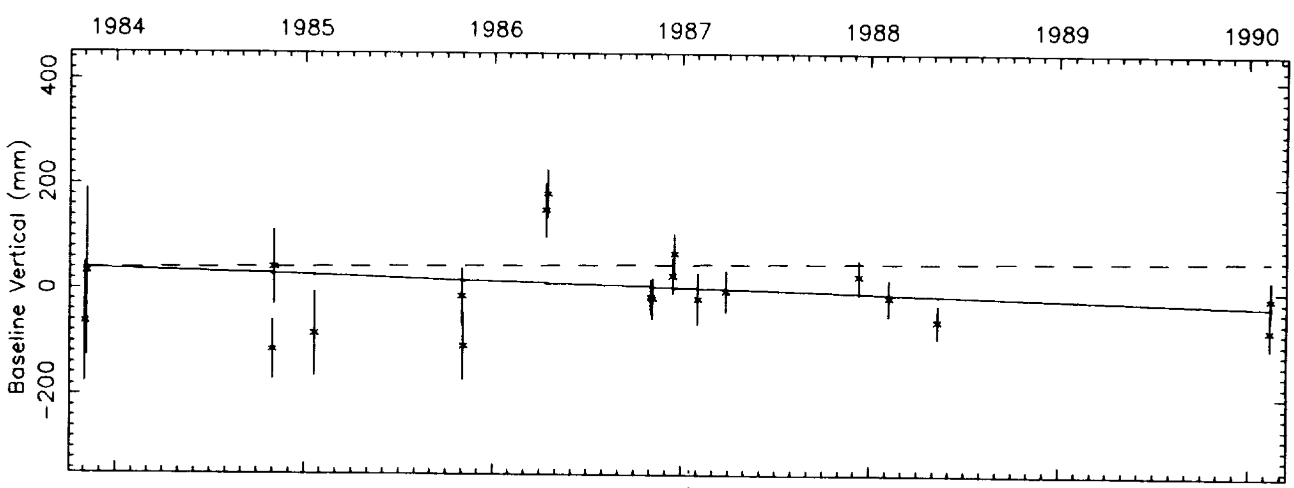
Reduced Chi square = 1.18



Observed Rate = 15.7 ± .9 mm/yr
NUVEL model rate = 3.5 mm/yr

Wrms of fit = 6.1 mm

Reduced Chi square = .85



Observed Rate = −10.9 ± 10.3 mm/yr
NUVEL model rate = 2.9 mm/yr

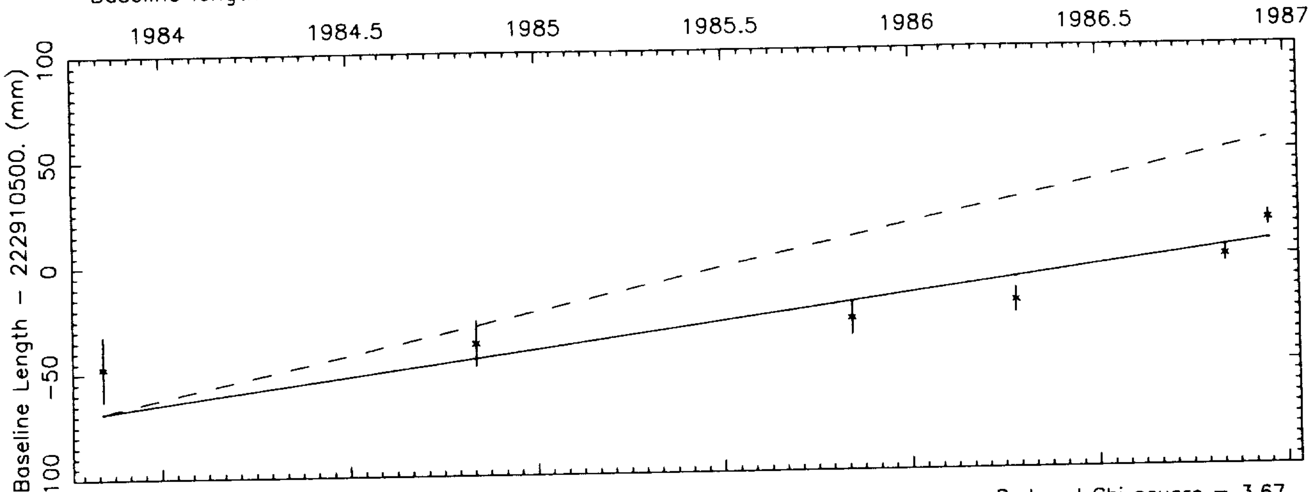
Wrms of fit = 63.1 mm

Reduced Chi square = 2.45

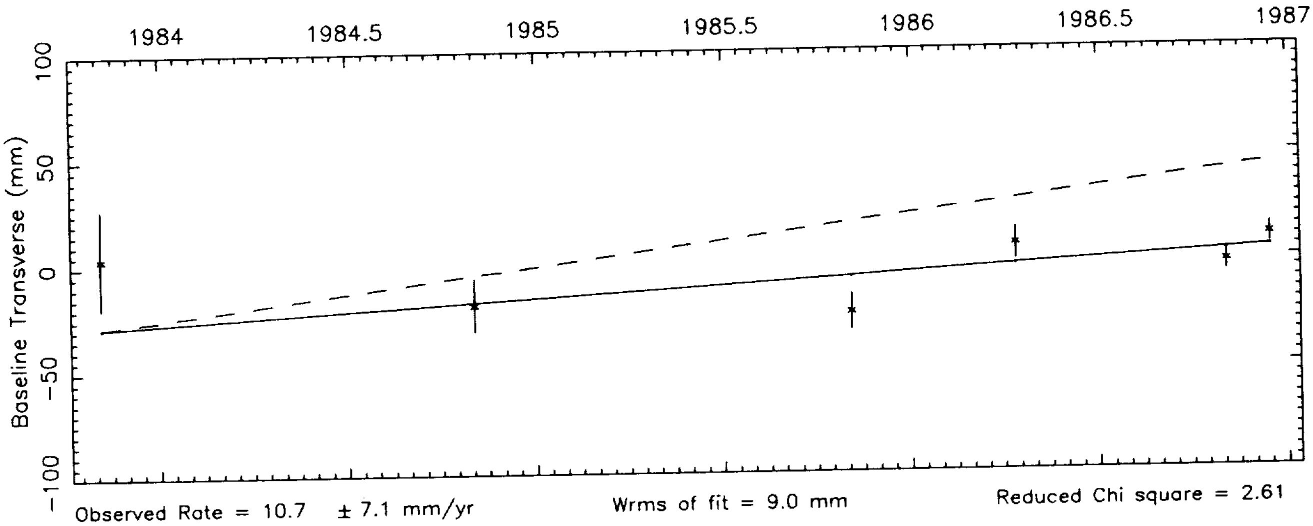
Vector baseline plots for PINFLATS-YUMA

Baseline length = 223 kilometers

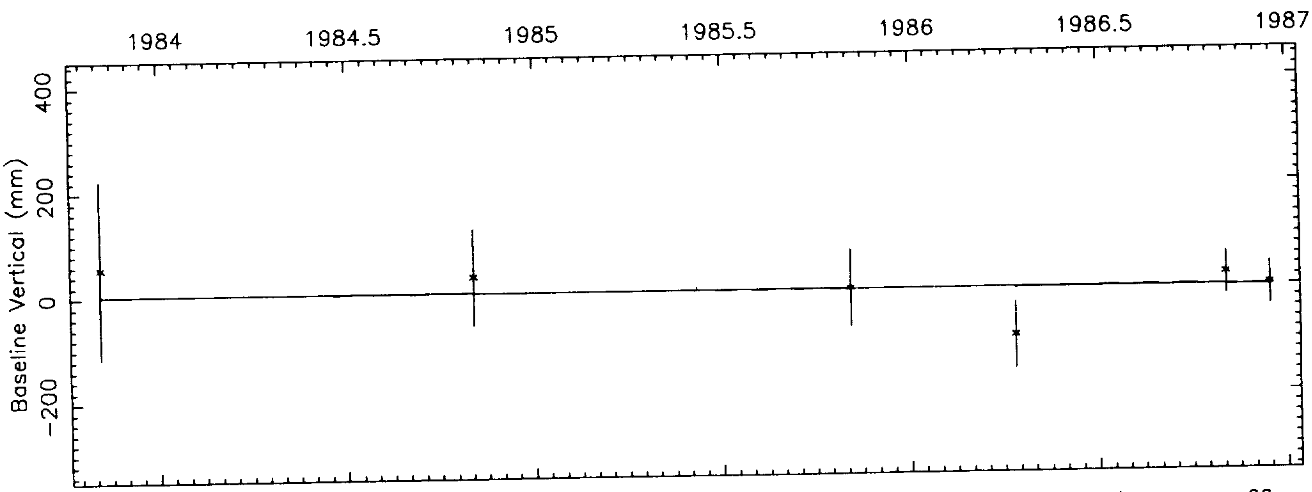
Number of sessions = 6



Observed Rate = 24.2 ± 6.6 mm/yr
NUVEL model rate = 39.7 mm/yr
Wrms of fit = 8.5 mm
Weighted mean length = 222910497.4 mm
Reduced Chi square = 3.67



Observed Rate = 10.7 ± 7.1 mm/yr
NUVEL model rate = 23.5 mm/yr
Wrms of fit = 9.0 mm
Reduced Chi square = 2.61

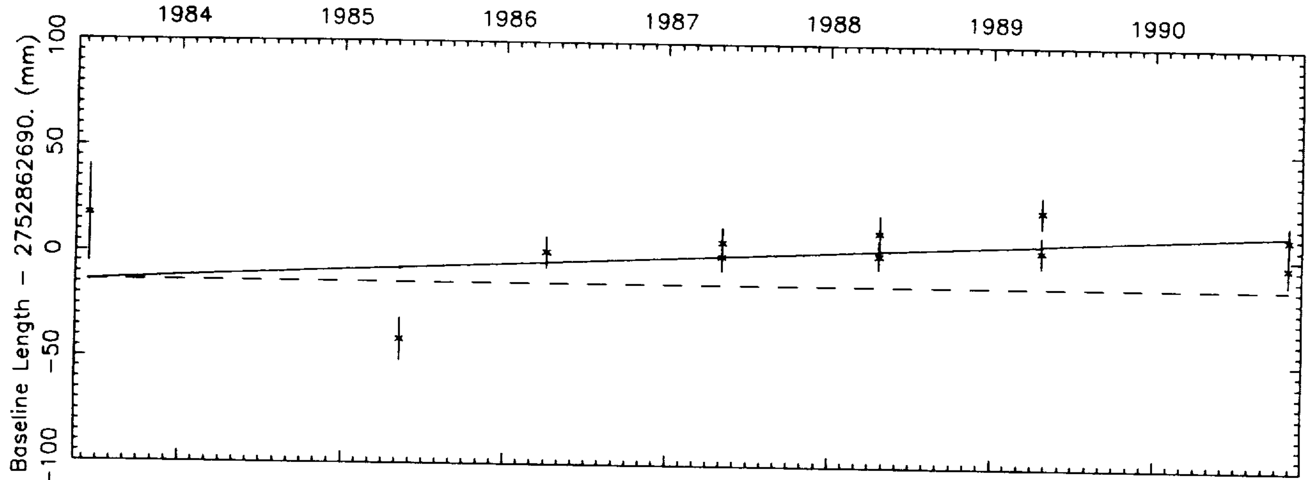


Observed Rate = -1.5 ± 27.6 mm/yr
NUVEL model rate = -1.1 mm/yr
Wrms of fit = 37.9 mm
Reduced Chi square = .66

Vector baseline plots for PLATTVIL–WESTFORD

Baseline length = 2753 kilometers

Number of sessions = 11



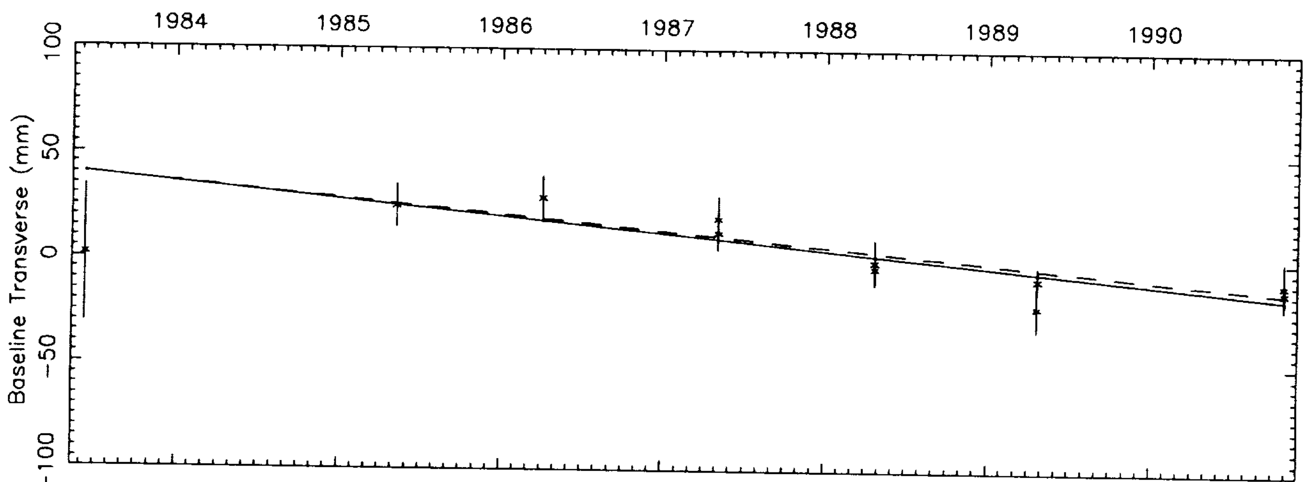
Observed Rate = 3.4 ± 2.3 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 11.3 mm

Weighted mean length = 2752862693.0 mm

Reduced Chi square = 2.60

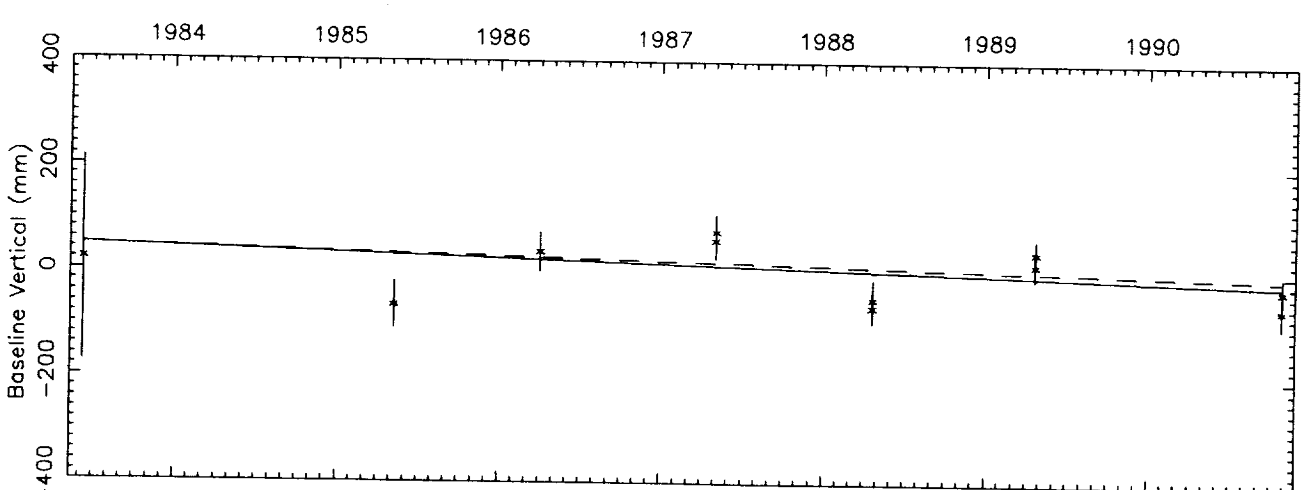


Observed Rate = −7.7 ± 1.4 mm/yr

NUVEL model rate = −7.4 mm/yr

Wrms of fit = 7.2 mm

Reduced Chi square = .81



Observed Rate = −8.9 ± 9.9 mm/yr

NUVEL model rate = −7.3 mm/yr

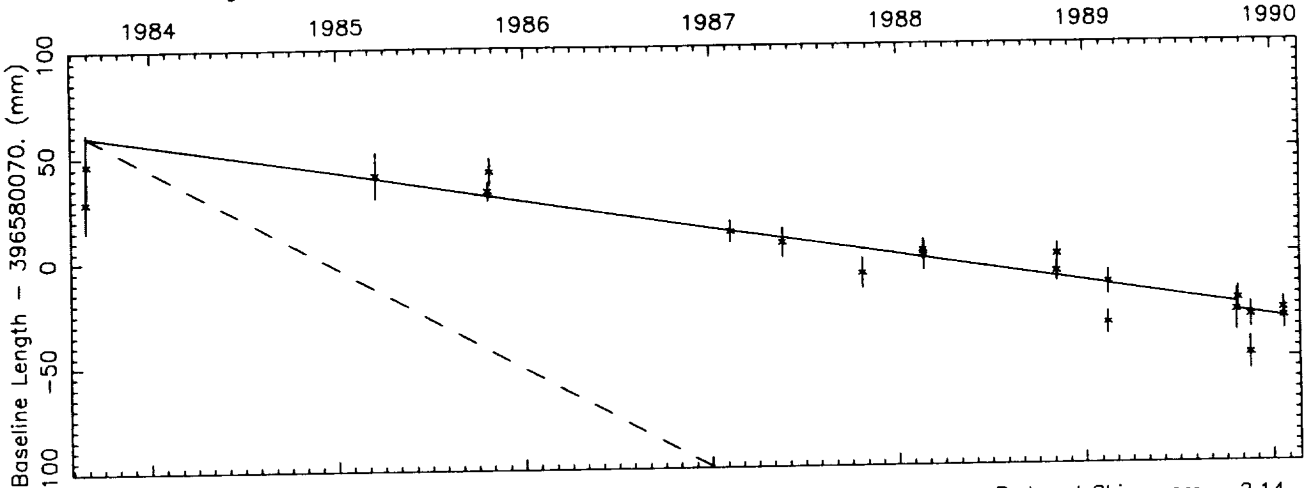
Wrms of fit = 47.8 mm

Reduced Chi square = 2.57

Vector baseline plots for PRESIDIO–VNDNBERG

Baseline length = 397 kilometers

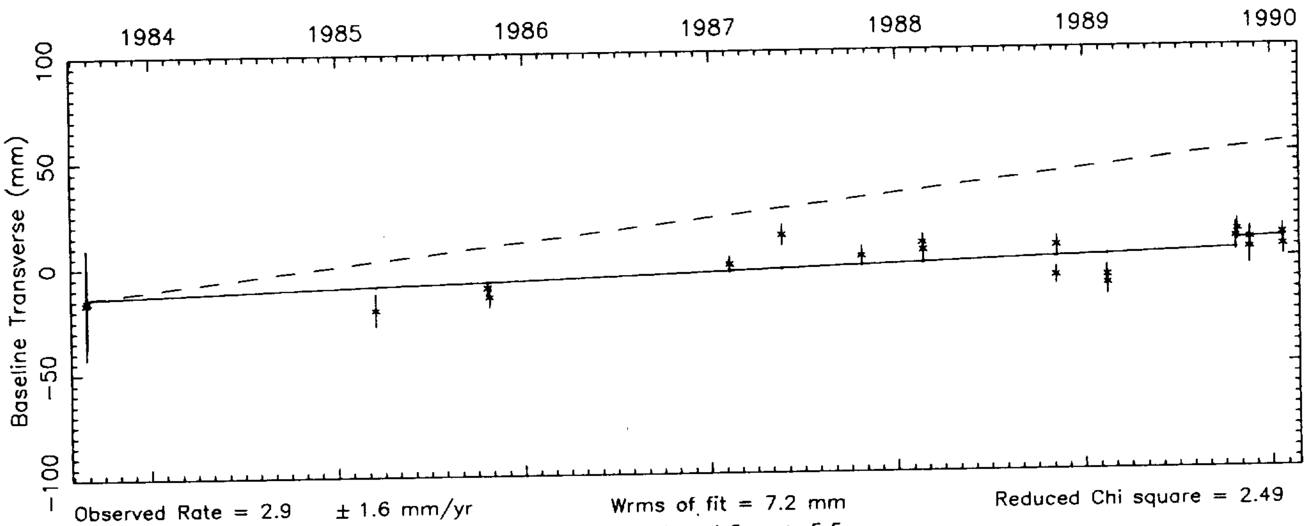
Number of sessions = 20



Observed Rate = –13.7 ± 1.7 mm/yr
NUVEL model rate = –47.6 mm/yr

Wrms of fit = 8.4 mm
Weighted mean length = 396580065.4 mm
Offset = –3.7 ± 6.0 mm

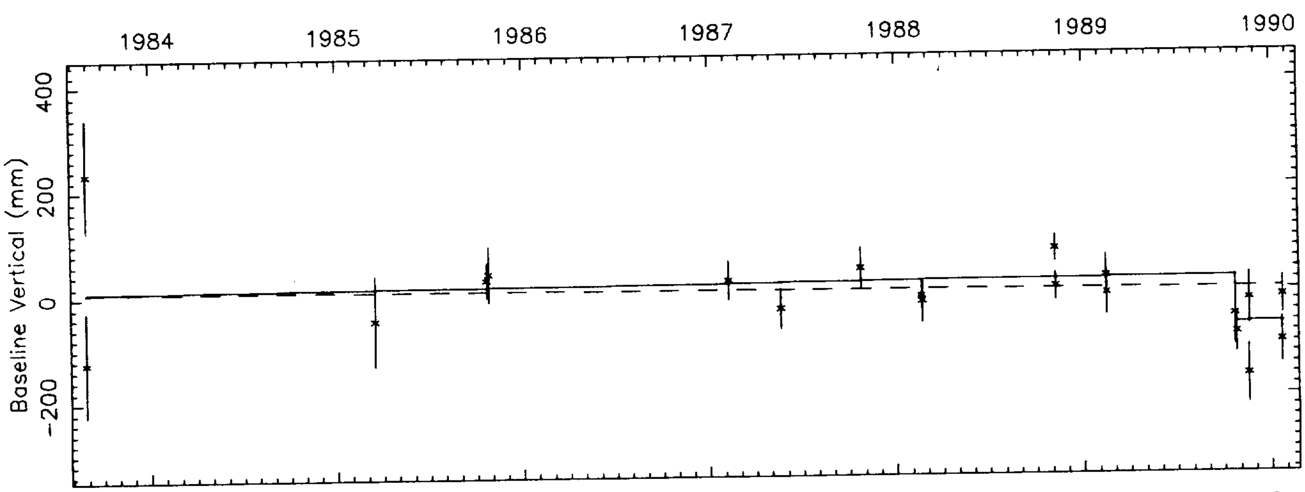
Reduced Chi square = 2.14



Observed Rate = 2.9 ± 1.6 mm/yr
NUVEL model rate = 10.6 mm/yr

Wrms of fit = 7.2 mm
Offset = 4.6 ± 5.5 mm

Reduced Chi square = 2.49



Observed Rate = 2.3 ± 9.5 mm/yr
NUVEL model rate = –1.2 mm/yr

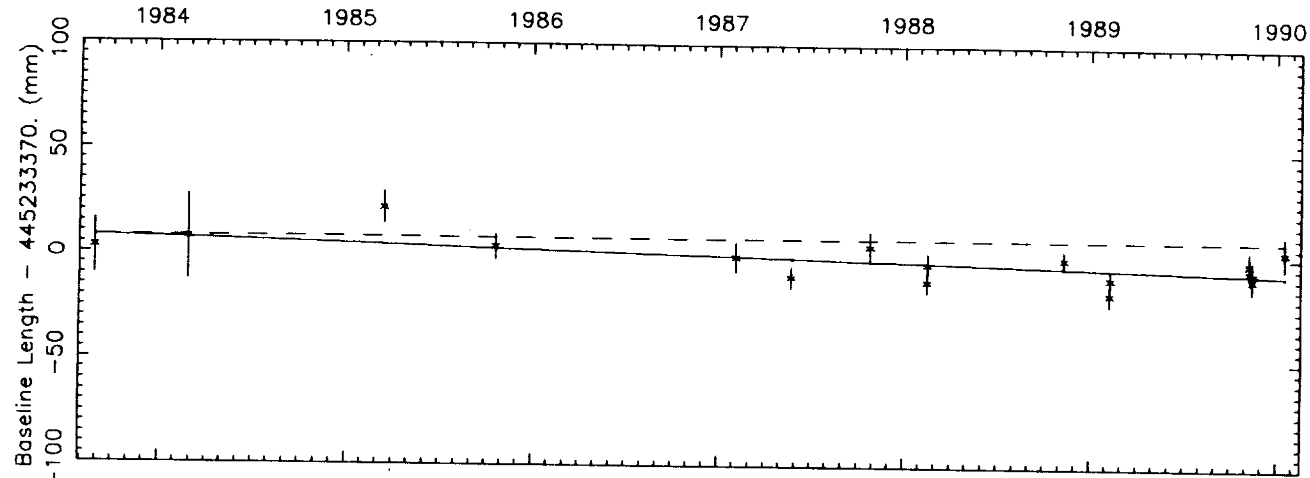
Wrms of fit = 42.8 mm
Offset = –89.2 ± 31.2 mm

Reduced Chi square = 1.40

Vector baseline plots for PT REYES-VNDNBERG

Baseline length = 445 kilometers

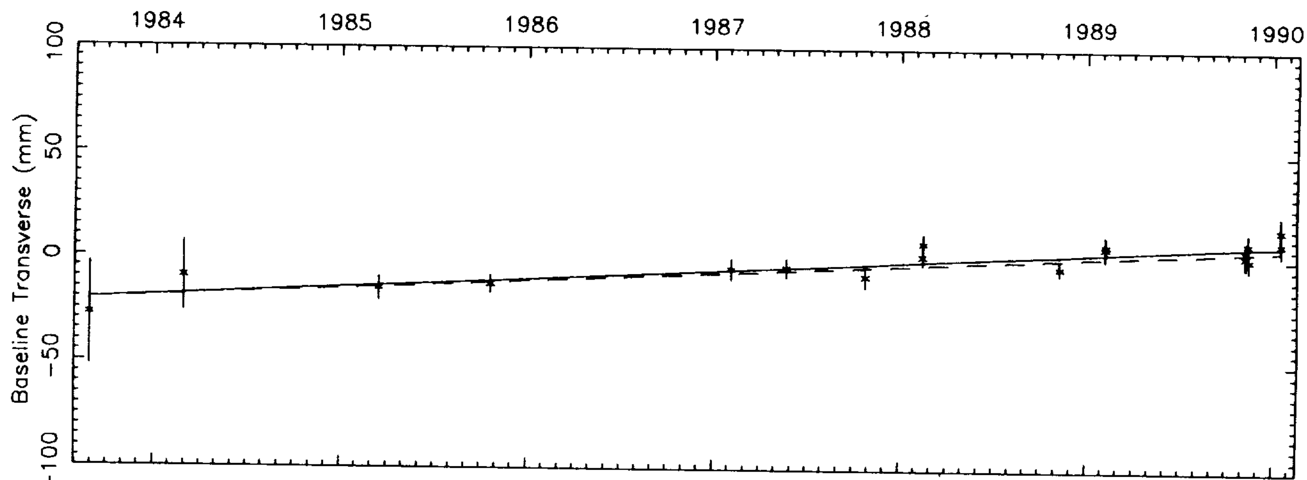
Number of sessions = 18



Observed Rate = -2.4 ± 1.2 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 6.9 mm
Weighted mean length = 445233365.9 mm

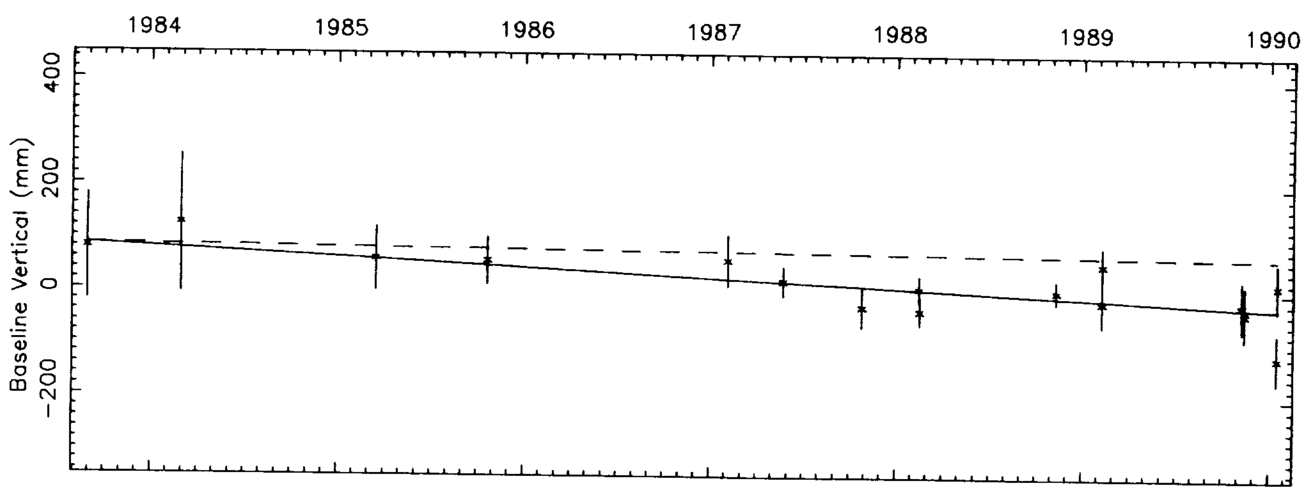
Reduced Chi square = 1.47



Observed Rate = 4.4 ± .8 mm/yr
NUVEL model rate = 4.0 mm/yr

Wrms of fit = 4.3 mm

Reduced Chi square = .81



Observed Rate = -18.0 ± 6.4 mm/yr
NUVEL model rate = -2.9 mm/yr

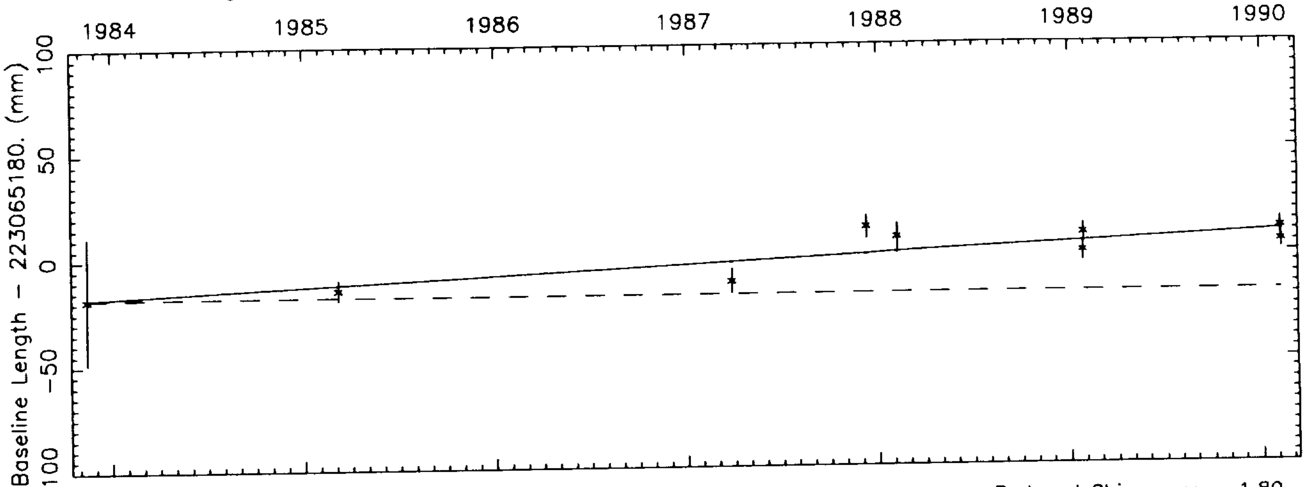
Wrms of fit = 32.2 mm

Reduced Chi square = .80

Vector baseline plots for PVERDES –VNDNBERG

Baseline length = 223 kilometers

Number of sessions = 9



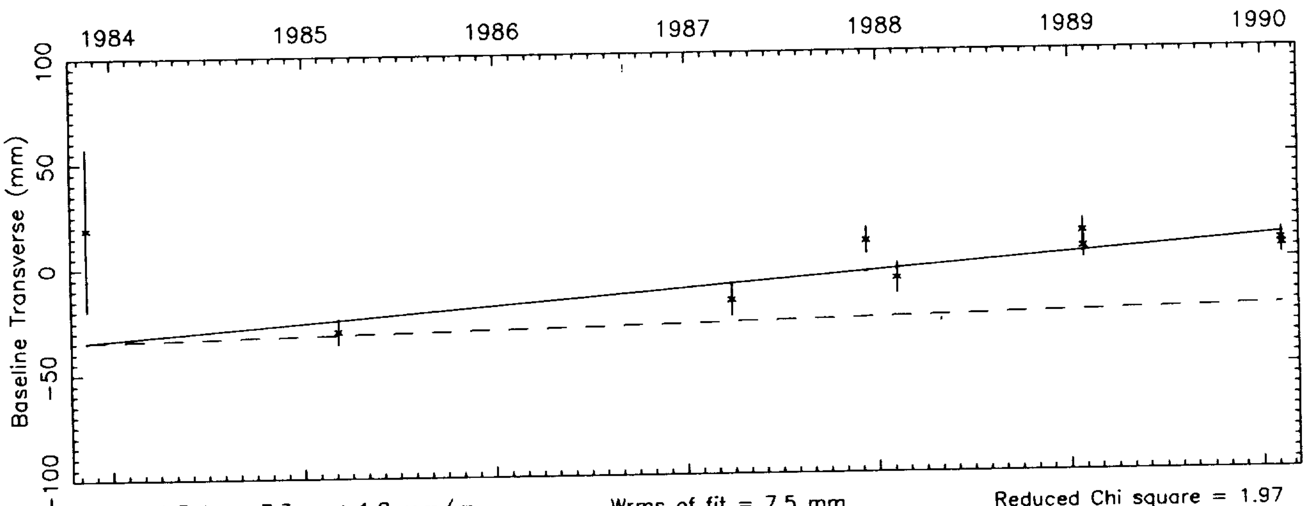
Observed Rate = 4.5 ± 1.5 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.2 mm

Weighted mean length = 223065182.9 mm

Reduced Chi square = 1.89

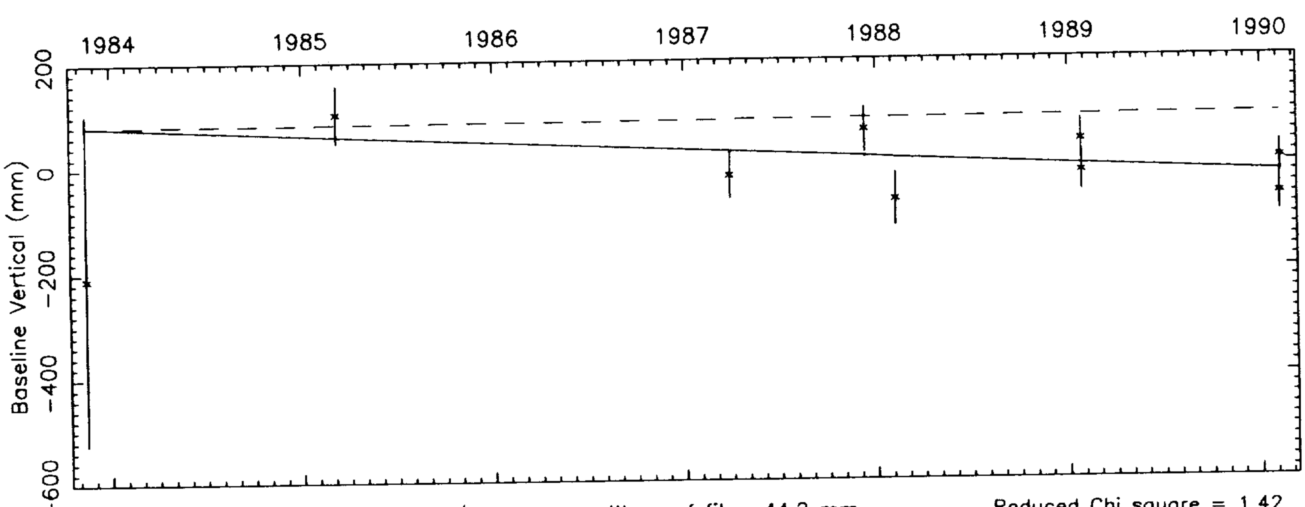


Observed Rate = 7.3 ± 1.8 mm/yr

NUVEL model rate = 2.0 mm/yr

Wrms of fit = 7.5 mm

Reduced Chi square = 1.97



Observed Rate = –16.2 ± 12.1 mm/yr

NUVEL model rate = 1.7 mm/yr

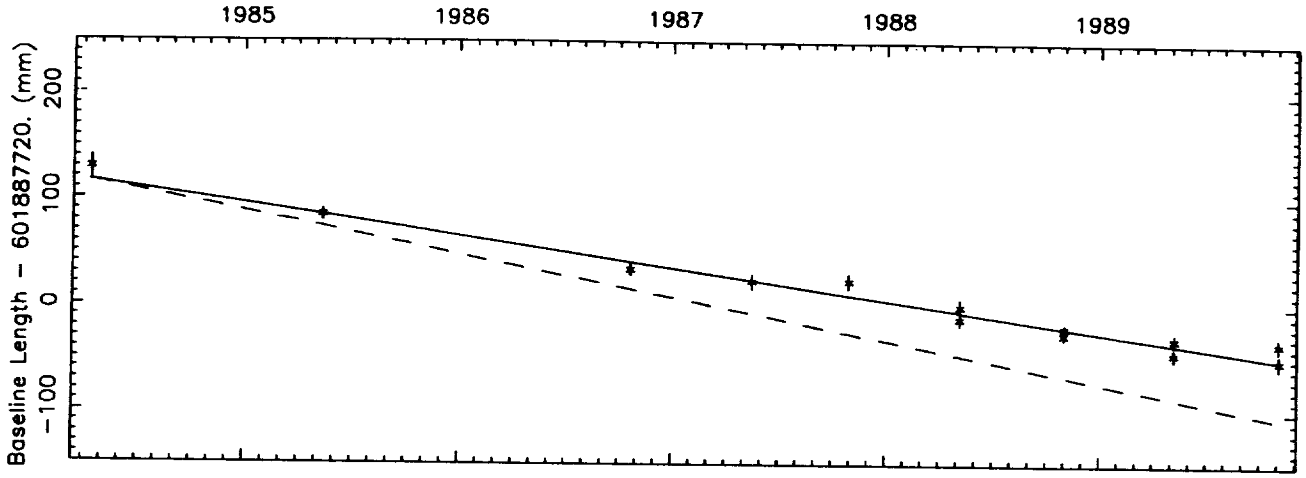
Wrms of fit = 44.2 mm

Reduced Chi square = 1.42

Vector baseline plots for QUINCY -VNDNBERG

Baseline length = 602 kilometers

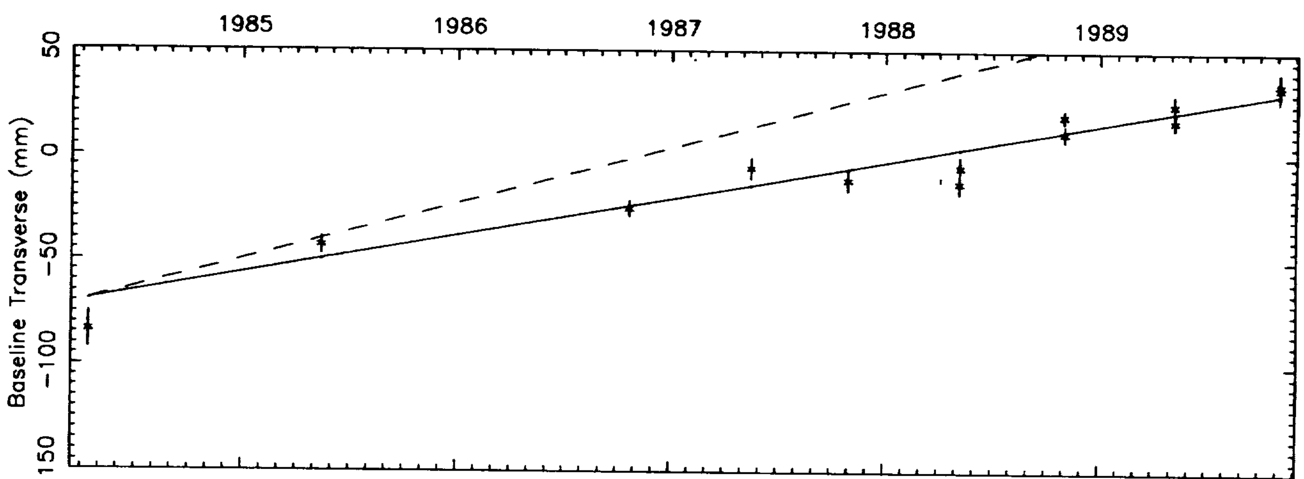
Number of sessions = 13



Observed Rate = -30.0 ± 1.6 mm/yr
NUVEL model rate = -40.1 mm/yr

Wrms of fit = 7.2 mm
Weighted mean length = 601887716.5 mm

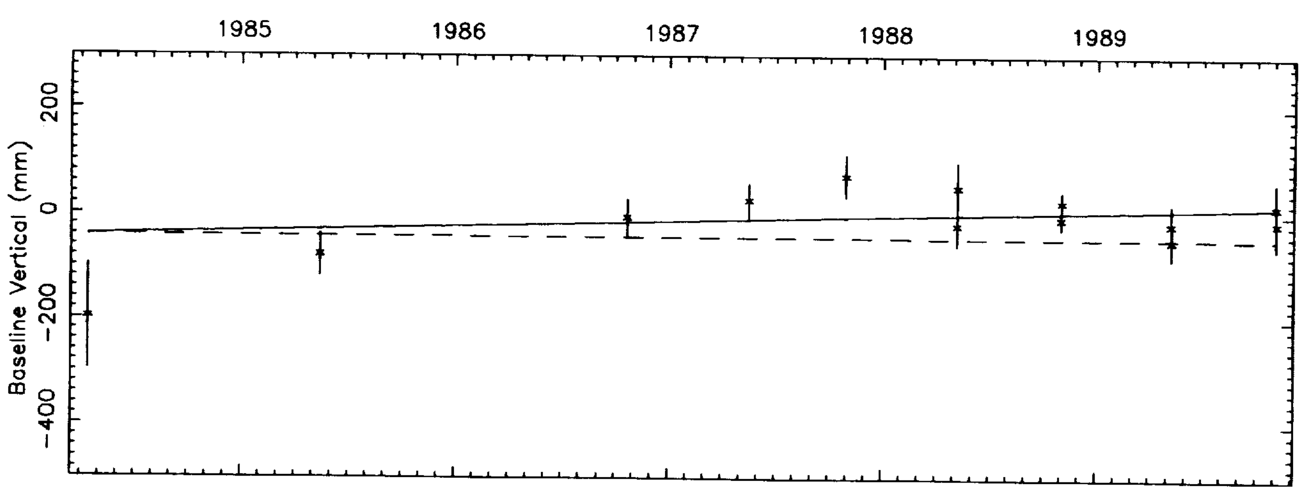
Reduced Chi square = 1.83



Observed Rate = 17.8 ± 1.5 mm/yr
NUVEL model rate = 26.8 mm/yr

Wrms of fit = 7.0 mm

Reduced Chi square = 2.72



Observed Rate = 10.3 ± 9.8 mm/yr
NUVEL model rate = -.7 mm/yr

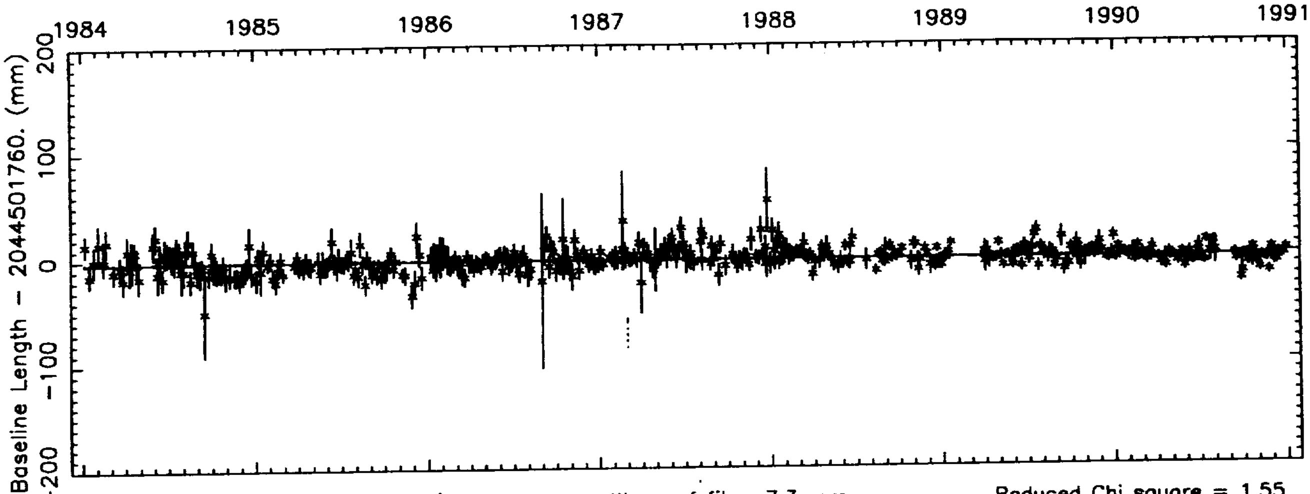
Wrms of fit = 36.2 mm

Reduced Chi square = 1.43

Vector baseline plots for RICHMOND–WESTFORD

Baseline length = 2045 kilometers

Number of sessions = 462



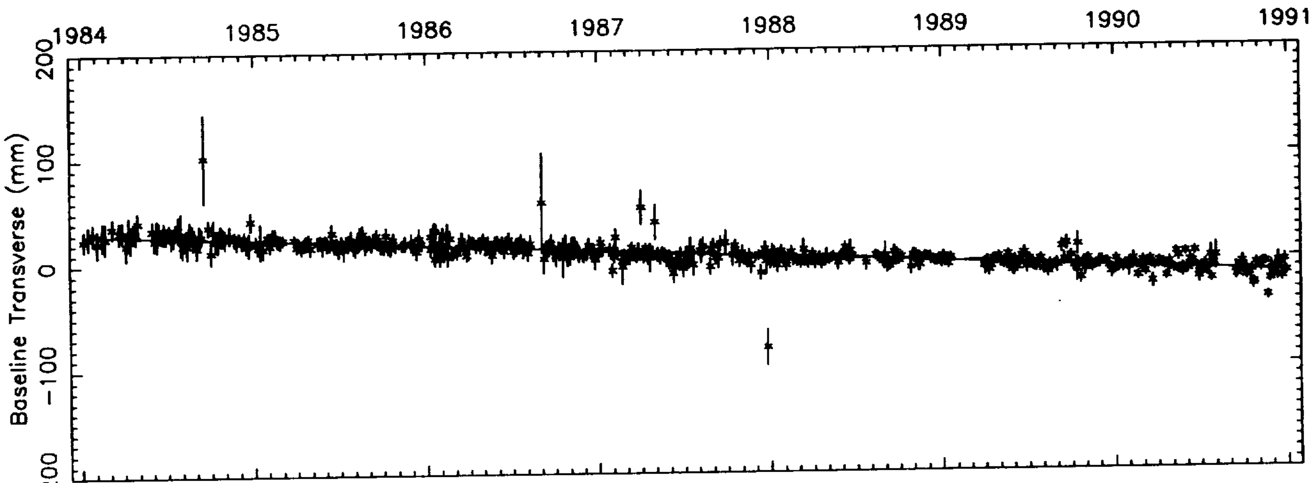
Observed Rate = .1 ± .2 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 7.3 mm

Weighted mean length = 2044501757.5 mm

Reduced Chi square = 1.55

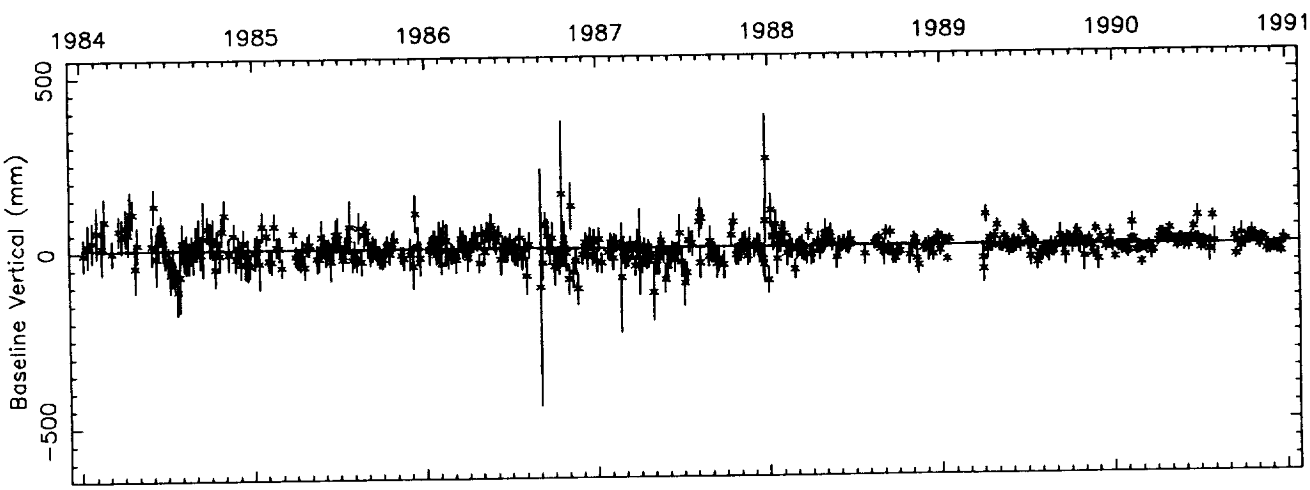


Observed Rate = –6.3 ± .1 mm/yr

NUVEL model rate = –6.1 mm/yr

Wrms of fit = 5.6 mm

Reduced Chi square = 1.19



Observed Rate = –1.4 ± .7 mm/yr

NUVEL model rate = –.6 mm/yr

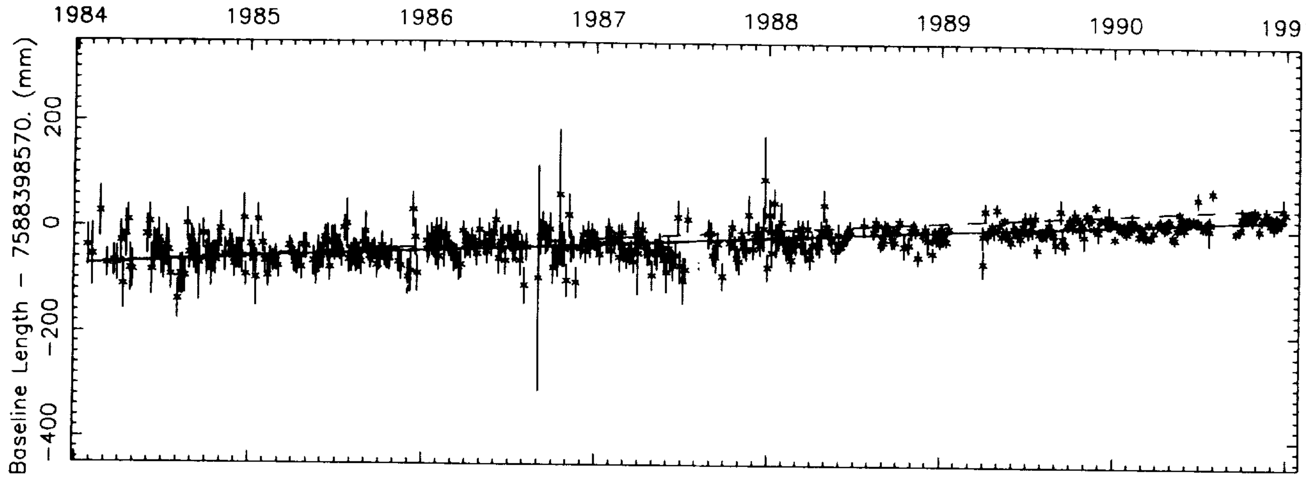
Wrms of fit = 25.4 mm

Reduced Chi square = 1.36

Vector baseline plots for RICHMOND−WETTZELL

Baseline length = 7588 kilometers

Number of sessions = 439



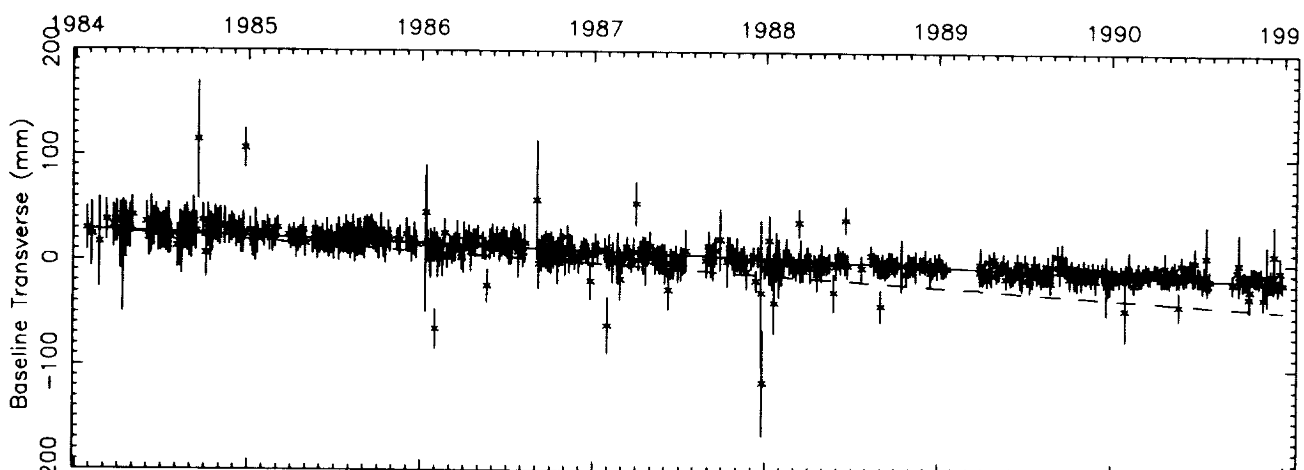
Observed Rate = 13.6 ± .5 mm/yr

NUVEL model rate = 17.1 mm/yr

Wrms of fit = 17.7 mm

Weighted mean length = 7588398567.6 mm

Reduced Chi square = 1.48

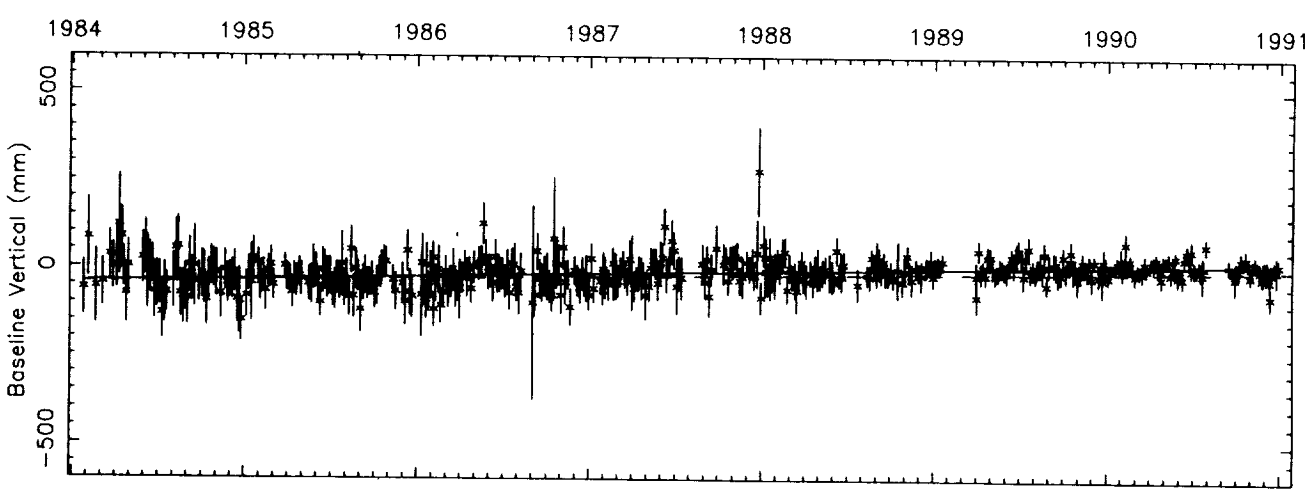


Observed Rate = −6.7 ± .2 mm/yr

NUVEL model rate = −10.6 mm/yr

Wrms of fit = 7.9 mm

Reduced Chi square = .49



Observed Rate = 8.3 ± .7 mm/yr

NUVEL model rate = 5.5 mm/yr

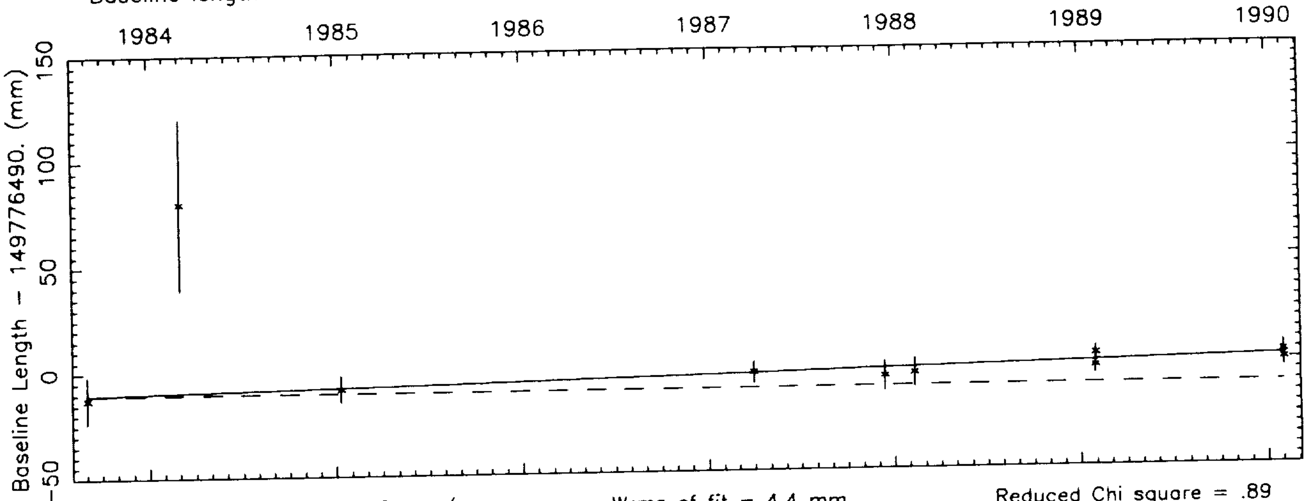
Wrms of fit = 26.8 mm

Reduced Chi square = .67

Vector baseline plots for SANPAULA–VNDNBERG

Baseline length = 150 kilometers

Number of sessions = 10



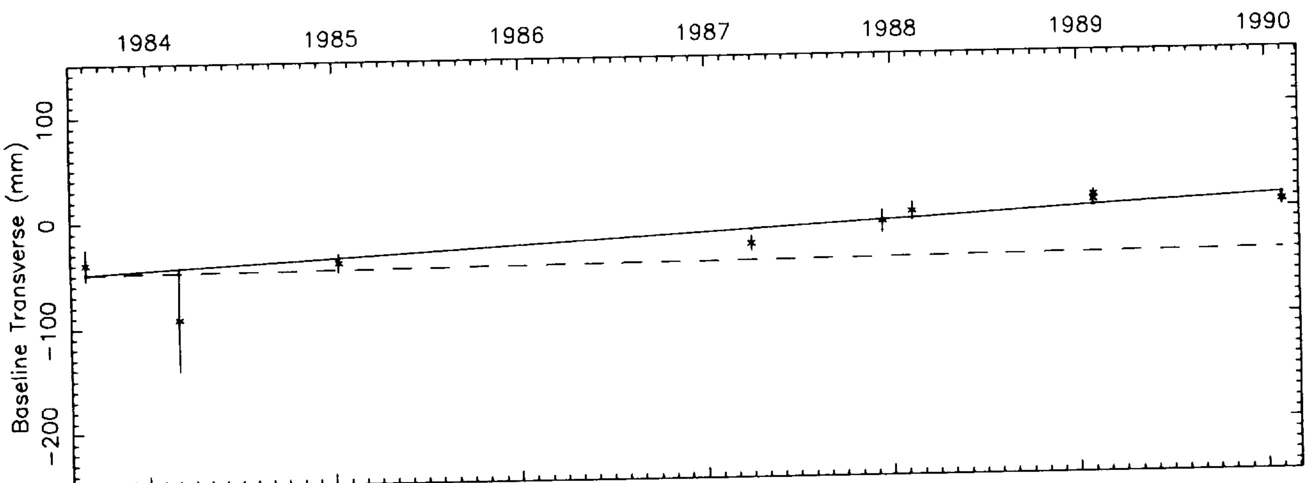
Observed Rate = 1.9 ± 1.0 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.4 mm

Weighted mean length = 149776488.9 mm

Reduced Chi square = .89

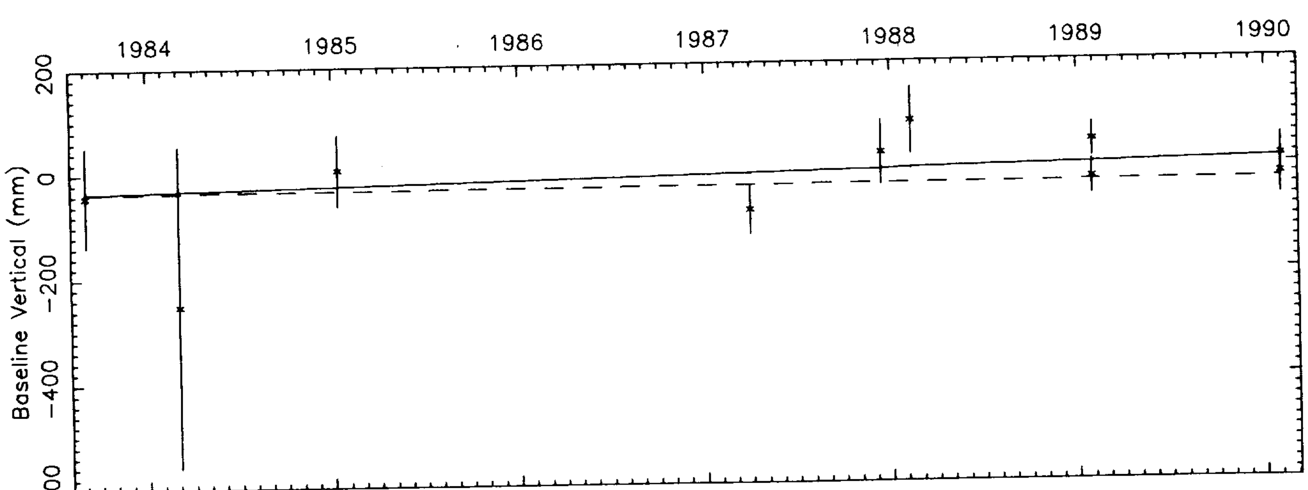


Observed Rate = 9.5 ± 2.0 mm/yr

NUVEL model rate = 1.3 mm/yr

Wrms of fit = 8.3 mm

Reduced Chi square = 1.91



Observed Rate = 7.2 ± 10.3 mm/yr

NUVEL model rate = 1.1 mm/yr

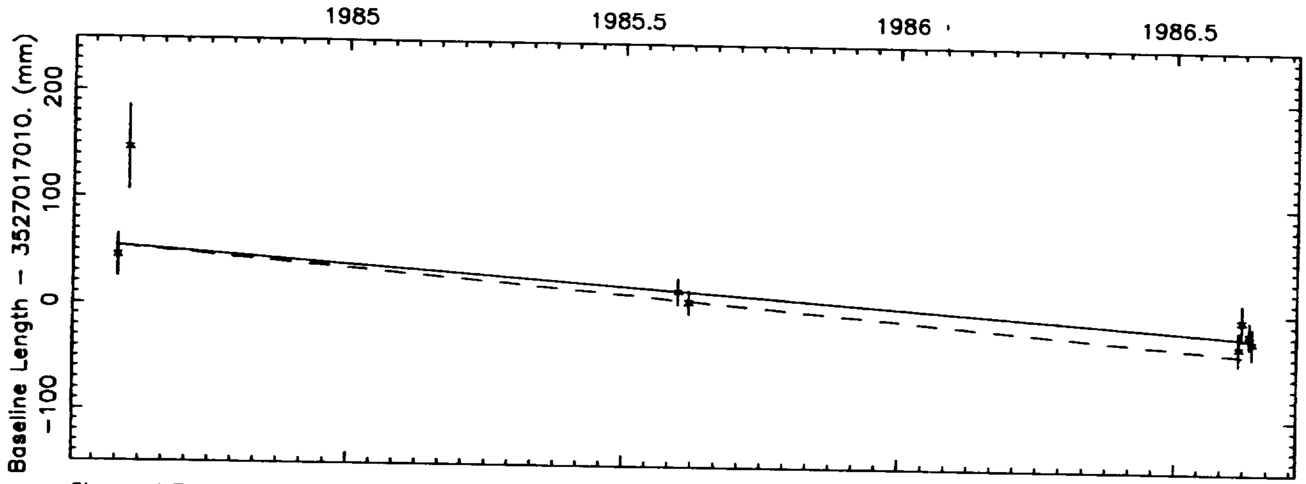
Wrms of fit = 43.4 mm

Reduced Chi square = 1.03

Vector baseline plots for SOURDOGH-VNDNBERG

Baseline length = 3527 kilometers

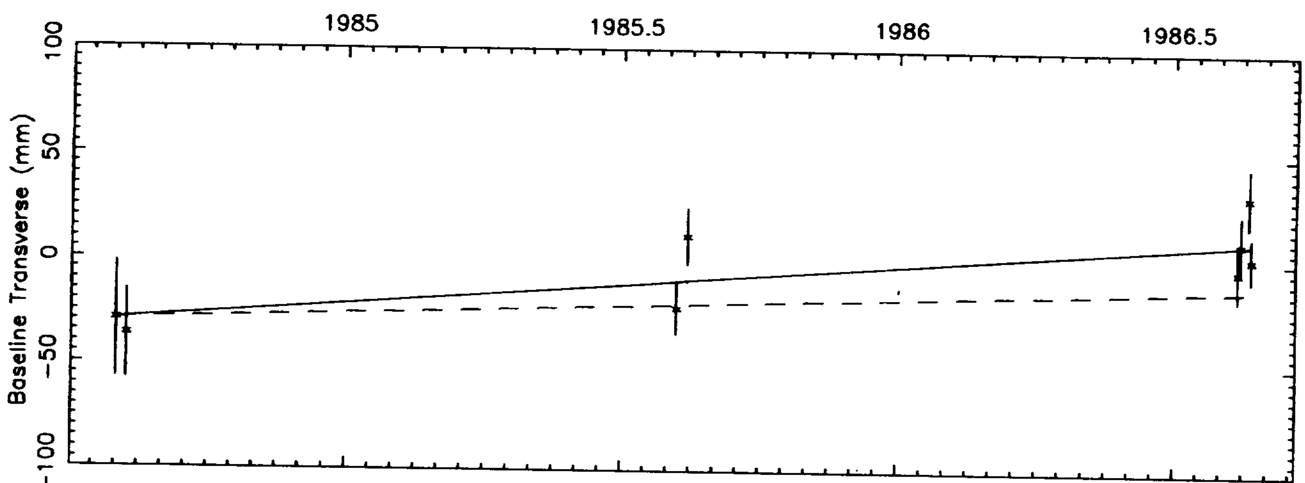
Number of sessions = 8



Observed Rate = -37.1 ± 9.2 mm/yr
NUVEL model rate = -45.2 mm/yr

Wrms of fit = 14.8 mm
Weighted mean length = 3527017009.5 mm

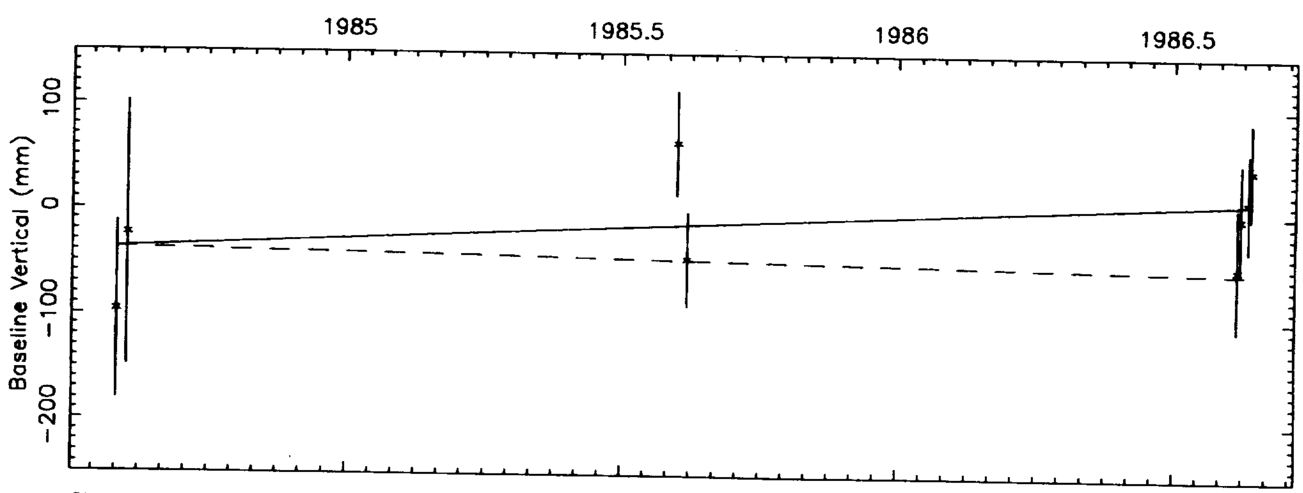
Reduced Chi square = 1.30



Observed Rate = 19.0 ± 8.5 mm/yr
NUVEL model rate = 8.0 mm/yr

Wrms of fit = 13.8 mm

Reduced Chi square = 1.28



Observed Rate = 23.9 ± 27.5 mm/yr
NUVEL model rate = -8.5 mm/yr

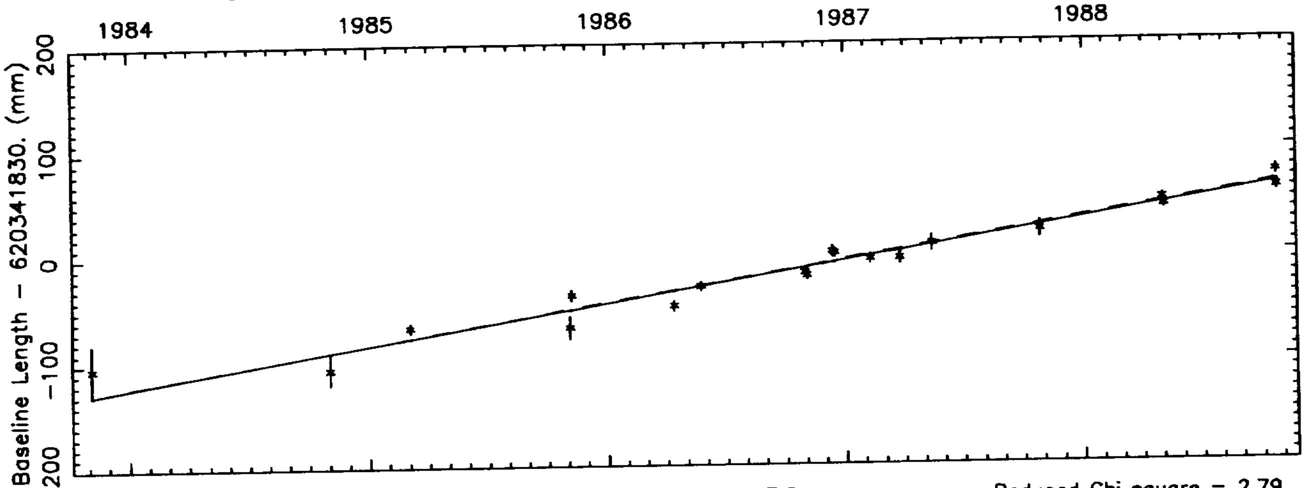
Wrms of fit = 43.4 mm

Reduced Chi square = .86

Vector baseline plots for VNDNBERG-YUMA

Baseline length = 620 kilometers

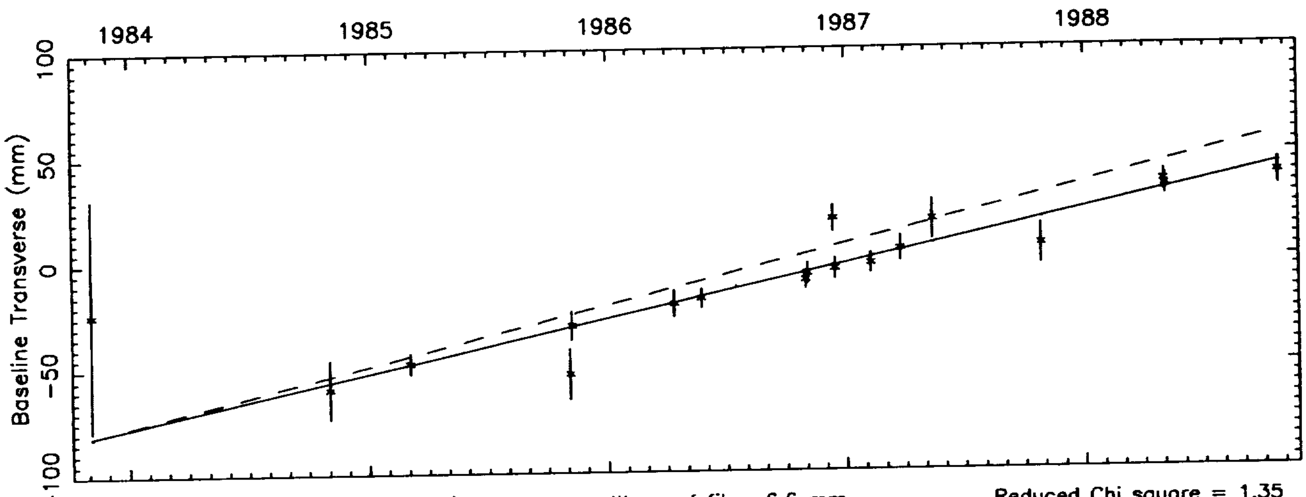
Number of sessions = 19



Observed Rate = 38.7 ± 1.8 mm/yr
NUVEL model rate = 39.0 mm/yr

Wrms of fit = 7.6 mm
Weighted mean length = 620341829.8 mm

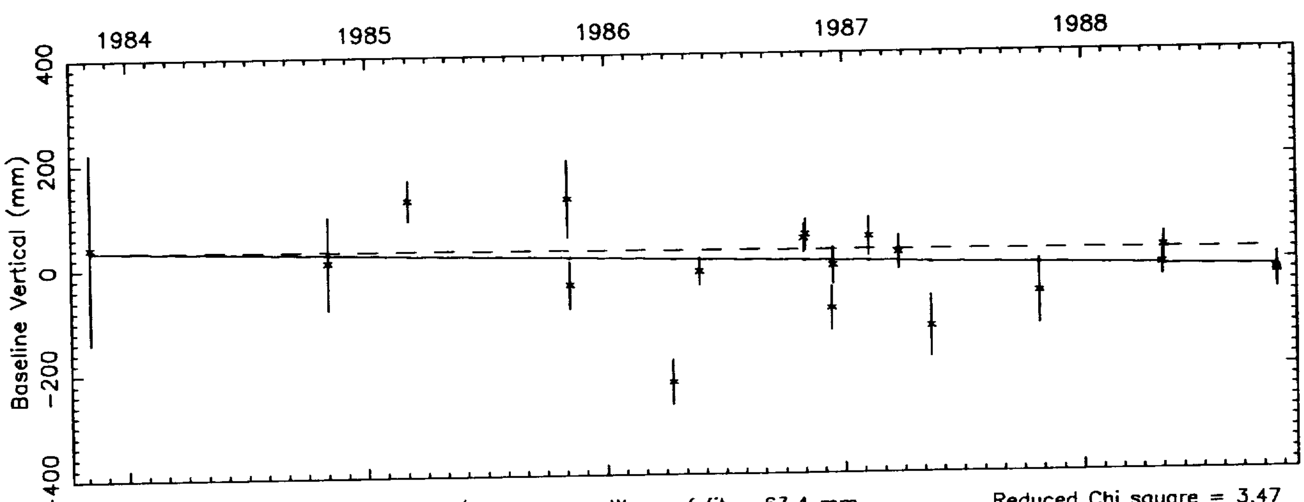
Reduced Chi square = 2.79



Observed Rate = 25.1 ± 1.6 mm/yr
NUVEL model rate = 28.1 mm/yr

Wrms of fit = 6.6 mm

Reduced Chi square = 1.35



Observed Rate = -9.7 ± 14.7 mm/yr
NUVEL model rate = -2.6 mm/yr

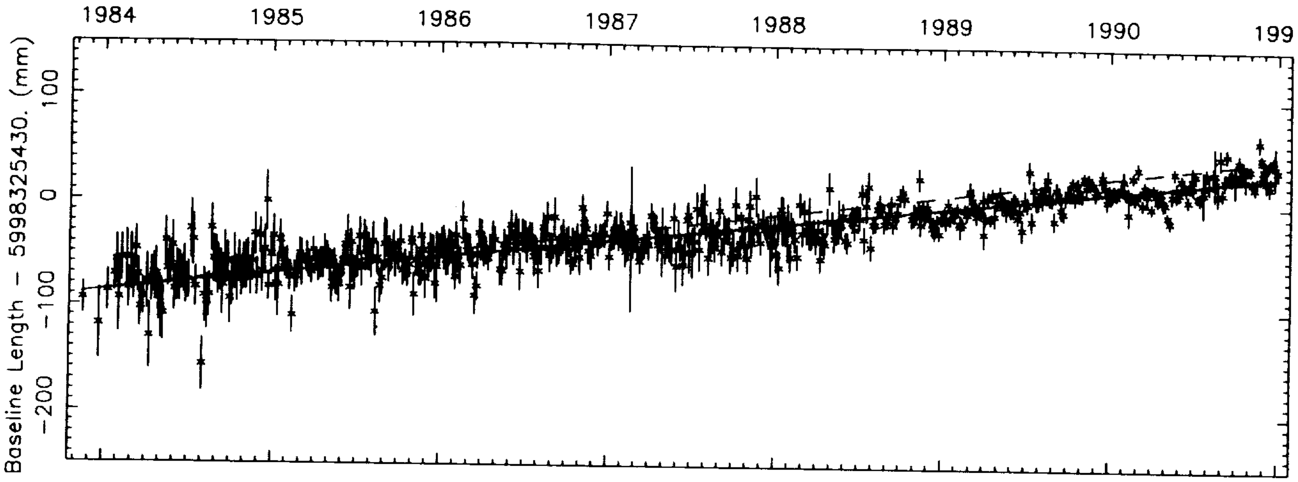
Wrms of fit = 63.4 mm

Reduced Chi square = 3.47

Vector baseline plots for WESTFORD–WETTZELL

Baseline length = 5998 kilometers

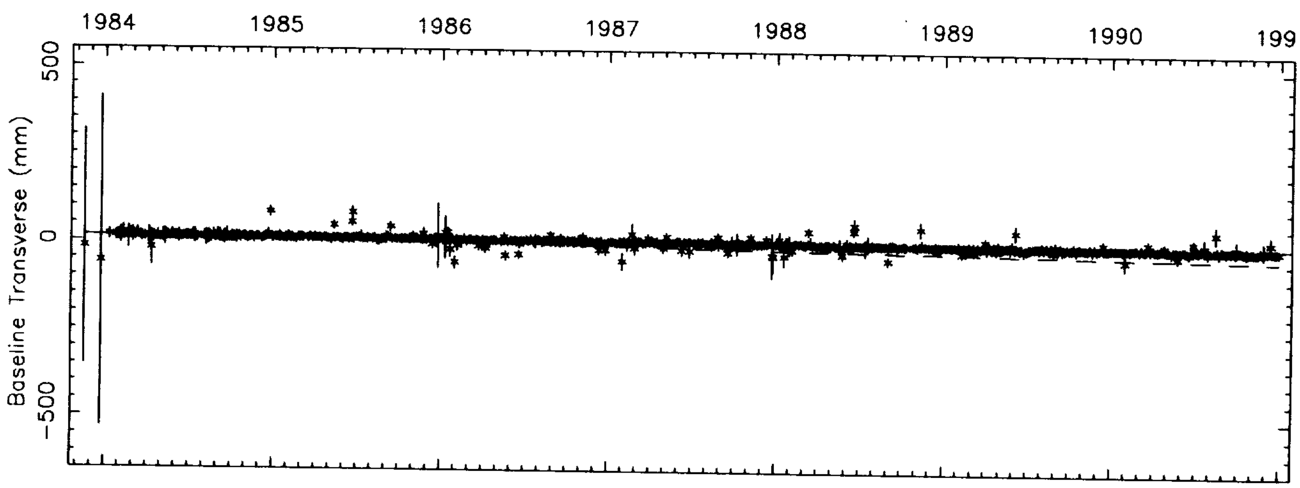
Number of sessions = 567



Observed Rate = 16.6 ± .3 mm/yr
NUVEL model rate = 18.9 mm/yr

Wrms of fit = 11.7 mm
Weighted mean length = 5998325425.4 mm

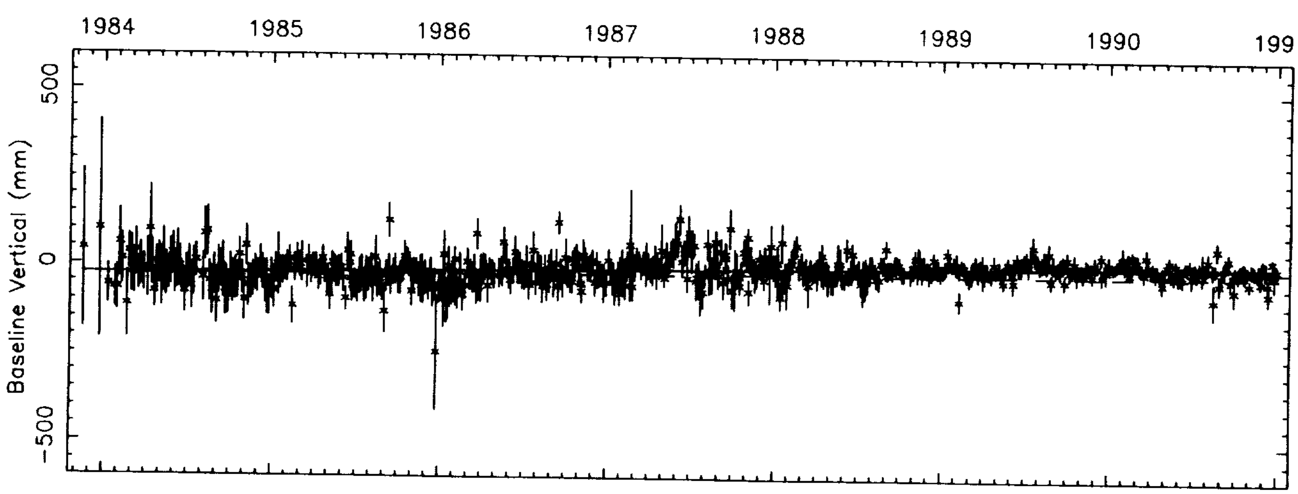
Reduced Chi square = 1.72



Observed Rate = −3.3 ± .2 mm/yr
NUVEL model rate = −7.5 mm/yr

Wrms of fit = 7.1 mm

Reduced Chi square = .68



Observed Rate = 5.3 ± .7 mm/yr
NUVEL model rate = 1.4 mm/yr

Wrms of fit = 26.5 mm

Reduced Chi square = .90

Table 7.177
Baseline summary for ALGOPARK-HRAS 085

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 8 25	2787141069.0	-1.6	8.2	.7	-25.4	11.1	-64.3	-17.3	38.8
84 8 29	2787141077.5	6.9	7.0	13.5	-12.5	9.6	-22.8	24.2	31.7
85 8 25	2787141077.7	7.1	6.4	31.1	5.0	9.5	-84.7	-37.7	29.4
85 8 29	2787141030.8	-39.7	17.5	20.4	-5.7	58.4	151.8	198.8	159.8
85 9 5	2787141057.2	-13.3	9.0	41.4	15.4	7.3	-13.0	34.0	38.2

Table 7.178
Baseline summary for ALGOPARK-KAUAI

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 6 27	7192645458.6	-26.6	15.4	175.4	.5	11.6	-40.1	-73.7	27.0
90 7 6	7192645488.0	2.8	18.5	145.4	-29.5	15.8	79.1	45.5	31.2
90 7 18	7192645517.2	32.0	21.3	183.5	8.6	17.3	128.4	94.7	40.2
90 8 1	7192645489.8	4.6	11.7	190.7	15.9	13.7	29.8	-3.9	29.8

Table 7.179
Baseline summary for ALGOPARK-KODIAK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 6 30	4887785384.0	-4.6	16.1	-16.6	-2.1	19.6	-2.5	-3.4	41.5
90 7 1	4887785385.4	-3.2	14.7	-15.4	-.9	10.1	-.1	-1.0	35.6
90 7 3	4887785399.0	10.4	17.9	-12.7	1.8	11.2	6.0	5.2	43.5

Table 7.180
Baseline summary for ALGOPARK-NRAO85 3

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 6 27	848030630.5	.2	4.5	-2.3	2.2	5.0	-73.0	-42.8	20.9
90 7 6	848030636.0	5.8	7.2	-16.3	-11.8	7.0	-18.2	12.0	26.9
90 7 18	848030636.2	6.0	6.8	2.2	6.7	5.9	-49.0	-18.9	33.7
90 8 1	848030625.7	-4.6	4.3	-5.2	-.7	4.0	2.9	33.0	18.4

Table 7.181
Baseline summary for ALGOPARK-RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 7 2	2254545237.3	-7.2	4.9	-13.9	3.2	3.7	-13.3	-3.1	17.6
90 7 7	2254545239.8	-4.7	4.2	-15.6	1.5	3.2	10.9	21.1	14.9
90 7 17	2254545238.8	-5.7	6.3	-18.0	-.9	5.2	16.0	26.1	21.9
90 7 18	2254545254.4	9.9	9.8	-11.2	5.9	7.9	15.5	25.7	37.0
90 7 22	2254545246.9	2.4	5.1	-23.4	-6.3	4.3	-4.9	5.3	18.9
90 7 27	2254545260.7	16.2	5.7	-19.3	-2.2	4.5	-81.8	-71.7	19.7
90 7 31	2254545248.3	3.8	12.7	-15.4	1.7	13.3	9.5	19.7	39.7

Table 7.182
Baseline summary for ALGOPARK-SNDPOINT

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 7 10	5395379480.4	-8.4	20.1	15.0	15.3	21.8	80.5	13.5	47.4
90 7 11	5395379488.9	.1	16.6	3.4	3.7	11.4	29.5	-37.4	36.8
90 7 13	5395379496.4	7.6	19.3	-9.3	-9.0	12.1	106.7	39.8	42.8

Table 7.183
Baseline summary for ALGOPARK-VICTORIA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 8 2	3362802084.4	-3.0	12.9	-6.2	-7.4	8.3	46.4	44.1	45.3
90 8 3	3362802088.4	1.0	14.2	11.7	10.4	14.2	-40.5	-42.8	52.0
90 8 4	3362802090.4	3.0	15.4	12.9	11.6	14.3	-14.8	-17.1	54.8

Table 7.184
Baseline summary for ALGOPARK-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 7 2	6154929656.1	-8.7	7.8	-18.2	-1.8	7.6	-12.5	-12.0	22.4
90 7 7	6154929662.2	-2.6	6.6	-15.9	.5	6.4	5.1	5.6	17.6
90 7 17	6154929677.3	12.5	10.2	-18.0	-1.6	8.8	5.7	6.3	26.4
90 7 22	6154929661.3	-3.5	11.2	-14.2	2.2	8.1	-1.6	-1.0	25.8
90 7 27	6154929672.4	7.6	8.3	-16.1	.3	7.4	-1.4	-.8	21.7

Table 7.185
Baseline summary for ALGOPARK-YELLOWKN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 8 25	2912296011.6	-16.5	12.4	-19.3	-15.1	11.0	141.1	35.2	51.6
85 9 5	2912296039.3	11.2	10.3	2.2	6.3	7.1	83.1	-22.8	41.6

Table 7.186
Baseline summary for AUSTINTX-HRAS 085

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 7 12	600902671.9	.0	2.9	3.6	.0	4.5	34.6	.0	24.1

Table 7.187
Baseline summary for AUSTINTX-RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 7 12	1773844466.5	.0	6.0	7.0	.0	8.0	-8.3	.0	34.2

Table 7.188
Baseline summary for AUSTINTX-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 7 12	2677897011.0	.0	6.7	9.5	.0	10.3	17.0	.0	32.8

Table 7.189
Baseline summary for BERMUDA -HARPOINT

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 8 5	1318010986.8	3.0	8.6	81.8	82.3	14.1	99.0	89.6	43.7
87 8 6	1318010957.1	-26.8	8.2	-6.6	-6.1	10.7	91.2	81.9	41.1
87 8 9	1318010993.5	9.7	5.2	-22.1	-21.6	7.7	-52.1	-61.4	25.4

Table 7.190
Baseline summary for BERMUDA -RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 8 3	1696707886.1	-4.3	8.7	5.8	-.4	10.6	-93.9	-39.0	48.7
87 8 5	1696707899.4	9.0	9.7	4.6	-1.6	10.0	-126.4	-71.5	46.8
87 8 6	1696707872.2	-18.1	8.5	10.5	4.2	9.4	38.2	93.0	44.1
87 8 9	1696707899.2	8.8	6.5	4.2	-2.0	8.6	-53.6	1.3	32.4

Table 7.191
Baseline summary for BERMUDA -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 8 3	1284684862.2	-3.8	7.8	6.6	1.2	7.5	-19.8	-20.5	37.2
87 8 5	1284684867.0	1.0	7.9	-.4	-5.7	7.4	-26.0	-26.7	34.9
87 8 6	1284684870.0	3.9	7.5	7.8	2.5	6.2	-7.9	-8.6	34.0
87 8 9	1284684865.3	-.7	5.5	6.1	.7	6.0	29.3	28.6	25.5

Table 7.192
Baseline summary for BLKBUTTE-ELY

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 10 26	629461895.3	-.6	6.4	-9.2	-5.1	4.7	-5.7	-6.8	38.8
88 10 27	629461896.5	.6	6.0	1.3	5.4	4.9	6.2	5.1	33.4

Table 7.193
Baseline summary for BLKBUTTE-HATCREEK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 2 4	942475321.2	14.4	9.6	11.5	8.6	7.6	37.9	79.0	53.0
87 5 18	942475302.3	-4.5	8.6	21.7	18.8	6.7	54.1	95.1	49.7
87 10 22	942475277.0	-29.8	10.0	5.0	2.1	7.1	-193.8	-152.7	54.0
88 10 26	942475304.6	-2.2	6.8	-8.9	-11.8	5.5	-45.7	-4.6	37.9
88 10 27	942475318.0	11.2	6.7	-5.6	-8.4	6.1	-53.4	-12.3	33.1

Table 7.194
Baseline summary for BLKBUTTE-MON PEAK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 11 9	107821842.1	-4.7	10.5	-100.3	-43.6	20.5	-148.0	-151.9	155.5
85 1 13	107821837.9	-8.9	15.2	-93.5	-36.7	11.6	42.4	38.5	119.4
86 5 19	107821852.1	5.3	4.5	-61.4	-4.6	3.8	55.6	51.7	34.6
86 10 27	107821843.9	-2.9	4.0	-47.6	9.1	3.6	-39.5	-43.3	33.1

Table 7.195
Baseline summary for BLKBUTTE-OCOTILLO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 3 4	97160177.0	-32.5	33.1	49.3	11.3	21.6	336.9	128.8	207.6
85 1 16	97160212.5	2.9	10.0	36.8	-1.1	6.8	183.8	-24.3	90.1

Table 7.196
Baseline summary for BLKBUTTE-OVRO 130

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
86 5 19	459067511.2	-6.6	4.9	-19.3	-17.1	5.3	41.0	44.4	34.8
86 10 27	459067526.6	8.8	4.1	3.1	5.3	3.8	-19.6	-16.2	31.7
87 10 22	459067502.2	-15.6	8.1	6.5	8.7	6.2	-75.8	-72.4	59.2

Table 7.197
Baseline summary for BLKBUTTE-PRESIDIO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 5 18	762366289.1	6.4	8.4	14.1	7.3	7.8	102.4	99.0	51.3
87 10 22	762366274.3	-8.4	9.6	-1.7	-8.5	8.4	-137.2	-140.6	61.1

Table 7.198
Baseline summary for BLKBUTTE-PT REYES

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 2 4	815918037.9	.0	9.8	-9.9	.0	7.6	6.9	.0	54.4

Table 7.199
Baseline summary for BLOOMIND-HRAS 085

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 8 20	1843913180.2	.0	12.8	-10.1	.0	14.6	-68.2	.0	56.8

Table 7.200
Baseline summary for BLOOMIND-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 8 20	1316252675.9	.0	12.8	-19.0	.0	13.8	32.3	.0	52.1

Table 7.201
Baseline summary for BREST -MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 31	7945694706.8	-20.2	22.4	-12.0	10.9	12.7	-50.3	-36.0	40.8
89 9 5	7945694743.5	16.5	20.3	-33.6	-10.7	12.5	9.4	23.7	33.1

Table 7.202
Baseline summary for BREST -NOTO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 31	2029686972.0	-32.1	7.2	-6.3	-2.9	6.6	-84.3	-49.3	31.1
89 9 2	2029687008.1	4.0	5.9	-1.3	2.0	8.9	-55.2	-20.3	25.0
89 9 3	2029687024.8	20.7	6.7	-8.4	-5.1	9.8	43.7	78.7	33.1
89 9 5	2029687006.1	2.1	7.3	.5	3.8	6.4	-25.2	9.7	28.8

Table 7.203
Baseline summary for BREST -ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 9 5	1480502019.1	.0	5.9	-7.7	.0	5.6	-2.7	.0	27.2

Table 7.204
Baseline summary for BREST -RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 31	6574959717.4	.0	17.8	-5.7	.0	13.6	-65.8	.0	37.8

Table 7.205

Baseline summary for BREST -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 31	4970790330.8	-13.6	12.4	-2.3	11.6	8.9	-68.3	-28.8	33.5
89 9 5	4970790357.8	13.4	12.2	-24.6	-10.7	8.6	-17.3	22.2	29.4

Table 7.206

Baseline summary for BREST -WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 31	1275262992.4	-18.4	5.3	-6.4	-8.9	5.2	-36.7	-43.1	26.9
89 9 2	1275263017.0	6.3	4.3	7.6	5.1	6.4	-4.3	-10.7	21.9
89 9 3	1275263021.0	10.2	5.0	5.3	2.8	6.9	81.6	75.1	27.8
89 9 5	1275263008.0	-2.8	5.3	7.1	4.6	5.5	-3.8	-10.3	26.2

Table 7.207

Baseline summary for CARNUSTY-MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 21	7568098966.0	.0	19.0	-10.5	.0	9.3	45.4	.0	38.9

Table 7.208

Baseline summary for CARNUSTY-RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 21	6586356808.1	.0	17.8	-9.0	.0	10.1	-10.9	.0	38.0

Table 7.209

Baseline summary for CARNUSTY-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 21	4848716969.6	.0	12.6	-1.2	.0	7.2	-6.6	.0	34.4

Table 7.210

Baseline summary for CARNUSTY-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 19	1327033072.9	-19.0	11.1	-23.1	-27.6	30.5	-11.5	-33.5	59.2
89 8 20	1327033092.3	.4	9.6	38.5	33.9	18.7	18.2	-3.8	49.1
89 8 21	1327033098.2	6.3	5.2	.9	-3.7	4.6	54.4	32.4	27.2
89 8 23	1327033087.1	-4.8	7.8	19.1	14.5	11.4	-45.1	-67.1	45.3

Table 7.211

Baseline summary for CARROLGA-HRAS 085

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 7 19	1799165585.8	.0	12.8	-11.5	.0	12.6	55.7	.0	51.7

Table 7.212

Baseline summary for CARROLGA-RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 7 19	992547373.0	.0	7.9	-7.4	.0	10.4	-23.0	.0	47.7

Table 7.213
Baseline summary for CARROLGA-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 7 19	1552637960.0	.0	10.9	-4.7	.0	10.0	-10.8	.0	46.4

Table 7.214
Baseline summary for CHLBOLTN-HAYSTACK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
80 10 17	5072314476.9	17.6	11.4	289.0	76.9	371.5	-166.1	93.3	372.9
80 10 18	5072314459.4	.1	11.8	265.5	53.4	369.4	-125.5	133.9	371.1
80 10 19	5072314473.2	13.9	13.8	259.0	46.9	368.9	-276.5	-17.0	374.1
80 10 20	5072314469.4	10.2	10.8	237.5	25.4	368.4	-228.4	31.0	370.0
80 10 21	5072314465.3	6.0	11.7	164.0	-48.1	368.2	-313.9	-54.4	369.8
80 10 22	5072314410.6	-48.6	14.1	156.6	-55.5	369.6	-459.6	-200.2	372.0
80 10 23	5072314449.7	-9.6	10.1	114.7	-97.4	368.1	-246.3	13.1	369.3

Table 7.215
Baseline summary for CHLBOLTN-HRAS 085

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
80 10 17	7663737346.2	-19.4	26.4	439.5	140.0	561.4	-275.6	177.6	563.0
80 10 18	7663737374.2	8.6	35.3	383.2	83.6	558.2	-275.5	177.7	560.6
80 10 19	7663737411.6	46.0	38.0	358.1	58.6	557.1	-523.7	-70.5	563.4
80 10 20	7663737370.9	5.3	38.2	325.0	25.5	556.6	-393.6	59.6	559.8
80 10 21	7663737371.1	5.4	35.7	228.4	-71.2	556.3	-544.1	-90.9	559.1
80 10 22	7663737274.1	-91.5	42.3	226.1	-73.5	558.4	-664.4	-211.2	562.4
80 10 23	7663737400.7	35.1	32.9	139.5	-160.1	556.1	-495.3	-42.1	558.1

Table 7.216
Baseline summary for CHLBOLTN-ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
80 10 17	1109864330.3	5.7	6.3	52.3	13.3	81.4	-3.1	1.8	85.9
80 10 18	1109864323.1	-1.6	7.7	59.0	20.0	81.1	-24.7	-19.7	87.2
80 10 19	1109864311.3	-13.3	32.5	75.7	36.7	89.1	4.1	9.1	118.6
80 10 20	1109864322.6	-2.1	6.8	40.6	1.6	80.9	48.4	53.4	85.4
80 10 21	1109864324.2	-.5	6.6	29.9	-9.1	80.8	53.4	58.3	85.3
80 10 22	1109864314.1	-10.6	8.5	14.1	-24.9	81.3	-137.3	-132.4	88.2
80 10 23	1109864328.5	3.8	6.1	8.2	-30.8	80.7	19.4	24.3	84.8

Table 7.217
Baseline summary for CHLBOLTN-OVRO 130

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
80 10 17	7846991267.7	2.6	23.6	356.7	167.7	575.0	-370.5	127.5	576.0
80 10 18	7846991276.0	10.8	25.5	307.4	118.5	571.7	-305.4	192.6	572.8
80 10 19	7846991290.3	25.1	28.3	243.4	54.4	570.8	-520.8	-22.8	575.4
80 10 21	7846991277.8	12.6	24.7	95.1	-93.8	569.8	-590.7	-92.7	571.0
80 10 22	7846991194.0	-71.2	29.9	103.8	-85.1	572.0	-728.8	-230.8	574.2
80 10 23	7846991268.5	3.3	22.7	30.8	-158.2	569.6	-471.3	26.7	570.4

Table 7.218
Baseline summary for DEADMANL-JPL MV1

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 2 3	174643146.8	.0	6.4	24.3	.0	9.4	1.7	.0	57.9

Table 7.219
Baseline summary for DEADMANL-SANPAULA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 3 1	250758732.4	-78.4	41.6	-3.8	6.1	50.3	17.8	43.7	304.4
85 1 10	250758734.8	-76.0	13.2	-57.3	-47.4	21.2	-365.1	-339.2	131.2
87 3 29	250758802.5	-8.3	5.9	-14.1	-4.3	8.8	4.7	30.6	50.7
87 12 12	250758841.3	30.5	6.5	1.9	11.7	8.6	-6.0	19.9	52.3

Table 7.220
Baseline summary for DSS15 -GILCREEK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 11 7	3807400693.2	.8	3.4	15.5	27.0	14.6	-19.2	15.3	18.7
89 7 27	3807400689.9	-2.5	6.0	-16.8	-5.3	6.5	-51.9	-17.4	19.9

Table 7.221
Baseline summary for DSS15 -GOLDVENU

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	21069152.4	.0	3.1	-3.3	.0	2.5	.7	.0	13.7

Table 7.222
Baseline summary for DSS15 -HAYSTACK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 11 7	3899992522.4	3.3	3.5	13.4	16.5	14.5	-43.6	-2.8	20.3
89 7 27	3899992509.4	-9.7	6.0	-6.0	-3.0	6.2	-38.3	2.5	19.4

Table 7.223
Baseline summary for DSS15 -MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	10011685.8	.0	3.2	2.4	.0	1.8	-7.2	.0	12.3

Table 7.224
Baseline summary for DSS15 -MOJ 7288

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	10063344.3	.0	3.6	.0	.0	2.0	-3.3	.0	17.1

Table 7.225
Baseline summary for DSS15 -OVRO 130

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	236711198.9	-.7	2.9	3.8	1.2	3.2	.0	3.5	16.6
88 11 7	236711200.1	.6	2.8	1.2	-1.4	3.5	-5.1	-1.7	11.6

Table 7.226
Baseline summary for DSS15 -OVR 7853

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	237345165.9	.0	3.1	3.0	.0	3.3	-.5	.0	16.8

Table 7.227
Baseline summary for DSS15 -YAKATAGA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 27	3265203803.1	.0	9.9	.2	.0	6.8	-66.2	.0	36.4

Table 7.228
Baseline summary for DSS45 -HOBART26

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 11 26	832194179.1	-12.7	8.5	14.0	-2.8	5.3	-47.1	-27.3	23.2
89 12 19	832194200.1	8.4	6.1	15.4	-1.4	3.5	11.2	31.0	19.6
90 3 23	832194189.6	-2.2	2.1	17.8	1.0	2.7	-19.9	-.1	9.3
90 6 29	832194195.2	3.4	2.7	17.9	1.1	3.9	-24.5	-4.7	12.8

Table 7.229
Baseline summary for DSS45 -KASHIM34

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 3 23	7436905079.8	.0	6.2	-48.0	.0	14.1	64.2	.0	18.4

Table 7.230
Baseline summary for DSS45 -KASHIMA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 7 17	7436721548.0	102.0	17.2	-33.5	21.8	40.0	.4	-32.8	50.7
88 7 31	7436721514.5	68.6	23.3	-22.9	32.3	26.1	-35.6	-68.8	43.3
88 8 1	7436721452.9	6.9	23.0	-9.8	45.5	24.9	-42.8	-75.9	42.7
88 12 11	7436721524.9	78.9	11.5	-47.3	8.0	29.4	-2.1	-35.3	35.5
89 1 14	7436721497.1	51.2	14.2	-42.6	12.7	15.6	22.8	-10.4	29.0
89 2 19	7436721457.3	11.3	9.2	-75.9	-20.7	29.6	69.7	36.6	35.6
89 11 26	7436721407.7	-38.3	12.2	-41.2	14.1	29.4	-38.7	-71.8	35.1
89 12 19	7436721434.2	-11.8	8.3	-96.1	-40.8	14.5	51.0	17.8	18.3
90 3 23	7436721410.1	-35.9	7.0	-46.3	9.0	14.2	74.2	41.0	19.0
90 6 29	7436721419.3	-26.6	9.2	-88.0	-32.8	29.0	27.1	-6.1	32.7

Table 7.231
Baseline summary for DSS45 -KWAJAL26

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 7 17	5171635902.5	42.3	17.9	-58.5	-4.5	25.2	-31.9	11.5	47.8
88 7 31	5171635813.1	-47.1	23.6	-50.1	3.9	17.1	-1.6	41.8	50.2
88 8 1	5171635828.3	-31.9	25.8	-55.9	-1.9	17.6	-111.0	-67.6	55.9

Table 7.232
Baseline summary for DSS45 -MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 5 24	10586283482.2	.0	32.6	7.6	.0	43.0	129.9	.0	53.8

Table 7.233
Baseline summary for DSS65 -HRAS 085

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 10 19	7975454842.1	.0	11.5	12.6	.0	17.9	17.7	.0	53.7

Table 7.234
Baseline summary for DSS65 -MATERA

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 9 6	1765812153.9	12.8	2.7	-11.1	.2	4.1	-32.9	-37.2	11.7
90 12 21	1765812132.4	-8.7	2.3	-11.9	-.6	7.2	48.9	44.6	12.8

Table 7.235
Baseline summary for DSS65 -MOJAVE12

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 10 19	8395867422.4	.0	13.0	20.4	.0	18.6	61.4	.0	55.3

Table 7.236
Baseline summary for DSS65 -NOTO

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
89 6 4	1711832928.1	11.8	2.2	-7.6	11.5	6.9	12.3	18.3	11.5
90 1 27	1711832910.9	-5.4	2.2	-17.3	1.7	4.0	1.8	7.9	9.3
90 9 6	1711832916.7	.4	2.5	-22.6	-3.5	4.0	-10.4	-4.3	11.2
90 12 21	1711832911.2	-5.2	1.9	-25.5	-6.4	7.0	-34.0	-27.9	12.0

Table 7.237
Baseline summary for DSS65 -RICHMOND

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 9 1	6726067103.7	1.7	17.8	-34.3	-16.8	14.0	-46.3	-47.1	44.0
88 11 10	6726067086.4	-15.6	12.1	-6.6	10.9	14.4	46.2	45.3	36.0
88 12 15	6726067107.3	5.3	7.2	-13.5	4.0	11.0	-4.4	-5.3	22.3

Table 7.238
Baseline summary for DSS65 -WESTFORD

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 9 1	5300362825.1	-7.3	9.0	-36.8	-21.4	8.8	-59.5	-62.1	29.0
88 11 10	5300362830.4	-2.0	5.7	-3.6	11.8	9.6	21.7	19.1	24.6
88 12 15	5300362827.4	-5.0	3.6	-17.2	-1.8	8.4	12.8	10.3	17.5
89 2 21	5300362829.0	-3.4	5.3	-9.8	5.6	8.1	-15.5	-18.1	19.2
89 6 4	5300362853.2	20.9	5.6	18.6	33.9	19.5	44.6	42.1	27.0

Table 7.239
Baseline summary for EFLSBERG-NRAO 140

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
79 11 26	6334648488.5	.0	37.5	-687.1	.0	462.3	-479.7	.0	469.6

Table 7.240
Baseline summary for EFLSBERG-OVRO 130

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
79 11 26	8203742519.0	-3.9	40.7	-1027.2	-2043.4	599.6	-412.8	-254.5	605.6
80 7 27	8203742551.7	28.8	18.8	1336.1	319.9	599.8	94.2	252.4	601.8
80 7 28	8203742512.0	-10.9	19.5	1331.6	315.3	597.3	65.3	223.6	600.4
80 9 27	8203742460.4	-62.5	31.0	1438.1	421.9	595.8	-220.2	-61.9	598.7
80 9 28	8203742544.0	21.2	25.3	1494.6	478.4	599.5	-292.4	-134.1	601.5
80 9 29	8203742512.4	-10.4	23.8	1517.8	501.6	600.7	-187.1	-28.9	601.8

Table 7.241
Baseline summary for EFLSBERG-ROBLED32

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
83 5 6	1414092461.9	.0	9.3	23.2	.0	268.9	75.1	.0	152.9

Table 7.242
Baseline summary for EFLSBERG-WESTFORD

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
83 5 6	5592851141.9	.0	16.4	25.5	.0	741.7	302.1	.0	484.6

Table 7.243
Baseline summary for ELY -OVRO 130

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
86 4 3	378140557.8	.0	4.7	-16.0	.0	5.9	-11.7	.0	36.2

Table 7.244
Baseline summary for ELY -PLATTVIL

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
84 4 23	871865370.3	-15.3	13.4	.9	1.5	16.1	-86.5	-126.2	107.9
85 5 7	871865388.9	3.4	5.4	1.2	1.7	7.0	52.8	13.1	44.8
86 4 3	871865380.3	-5.3	13.5	-13.5	-12.9	17.7	76.3	36.7	92.3

Table 7.245
Baseline summary for ELY -VNDNBERG

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
87 5 11	734889070.5	5.8	8.3	-30.6	-49.9	7.5	40.0	27.5	45.4
88 4 30	734889055.6	-9.1	6.2	20.7	1.4	6.3	14.8	2.2	49.0
88 5 1	734889039.9	-24.8	14.3	27.0	7.7	18.7	2.1	-10.4	118.3
88 10 26	734889066.8	2.1	3.9	25.8	6.5	4.8	-8.3	-20.9	22.8
88 10 27	734889067.1	2.4	4.2	34.9	15.6	5.4	27.6	15.0	23.7

Table 7.246
Baseline summary for ELY -WESTFORD

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
89 5 1	3580309246.6	2.2	12.4	-22.1	-1.5	15.2	10.6	56.5	42.3
89 5 2	3580309240.7	-3.8	13.0	-35.8	-15.3	10.2	-89.0	-43.1	42.1
90 10 16	3580309262.2	17.8	15.5	-3.4	17.1	13.9	-64.3	-18.4	68.0
90 10 17	3580309224.4	-20.0	17.4	21.2	41.7	25.3	-67.9	-21.9	82.0

Table 7.247
Baseline summary for ELY -YUMA

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
87 5 11	707152530.7	15.9	9.4	5.6	9.7	6.2	-82.1	-54.8	55.4
88 4 30	707152508.7	-6.1	7.1	-8.3	-4.2	5.2	8.2	35.5	50.5
88 5 1	707152487.9	-26.9	21.1	-12.4	-8.3	9.2	28.4	55.7	119.4

Table 7.248
Baseline summary for FLAGSTAF-PLATTVIL

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
84 4 18	820904441.8	-2.1	13.6	12.6	15.3	14.8	124.3	154.8	151.4
85 5 3	820904435.7	-8.2	5.5	-.9	1.8	5.5	-73.0	-42.4	40.6
86 3 27	820904448.6	4.7	6.0	-1.9	.8	6.1	19.4	50.0	43.8
88 10 16	820904459.7	15.8	10.2	-13.8	-11.1	8.6	-62.7	-32.1	67.1

Table 7.249
Baseline summary for FLAGSTAF-VERNAL

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
87 5 7	595755609.8	-.4	6.0	6.4	3.1	4.3	-9.4	-10.1	35.0
88 4 26	595755612.2	2.0	13.7	-13.5	-16.7	10.1	57.2	56.5	82.7

Table 7.250
Baseline summary for FLAGSTAF-WESTFORD

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 11 6	3497279295.9	8.6	12.8	-6.5	19.6	17.7	-8.2	19.1	50.8
90 11 7	3497279278.2	-9.1	13.2	-44.0	-17.8	16.9	-45.5	-18.2	49.6

Table 7.251
Baseline summary for FORTORDS-GILCREEK

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 11 9	3538522684.5	85.5	16.2	29.2	24.0	8.1	30.1	-11.1	45.4
88 11 10	3538522649.6	50.5	13.9	25.1	19.8	8.0	-12.8	-53.9	35.5
89 2 3	3538522631.0	31.9	16.3	16.9	11.6	10.0	30.1	-11.1	47.9
89 2 4	3538522641.2	42.1	12.4	15.9	10.7	15.3	27.6	-13.5	45.5
89 10 24	3538522598.3	-.8	11.7	-6.6	-11.8	8.3	89.2	48.0	33.3
89 11 2	3538522585.8	-13.3	10.7	17.1	11.9	17.5	39.5	-1.6	43.3
89 11 3	3538522593.7	-5.4	12.3	12.9	7.7	10.3	1.2	-40.0	43.6
89 11 7	3538522573.7	-25.4	13.2	-22.6	-27.8	14.9	49.3	8.2	39.8
89 11 8	3538522572.8	-26.3	10.5	-21.5	-26.7	8.0	11.7	-29.5	30.0
89 11 12	3538522581.9	-17.2	11.5	-6.7	-12.0	14.5	22.2	-19.0	36.0
89 11 13	3538522579.1	-20.0	12.2	1.4	-3.9	8.8	26.9	-14.3	36.0
89 11 17	3538522597.5	-1.6	12.5	4.6	-.6	14.8	67.4	26.3	37.9
89 11 18	3538522603.6	4.5	12.1	-9.3	-14.5	9.6	110.1	68.9	37.0
90 1 26	3538522568.6	-30.4	12.3	11.8	6.6	14.5	9.0	-32.1	39.2
90 1 27	3538522599.7	.6	11.4	4.6	-.6	8.3	93.4	52.3	34.7

Table 7.252
Baseline summary for FORTORDS-HATCREEK

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 11 9	470018691.9	63.1	7.4	24.2	-10.5	4.7	19.9	7.8	43.8
88 11 10	470018690.3	61.5	6.3	18.0	-16.8	3.4	-19.7	-31.8	32.0
89 2 4	470018682.0	53.2	5.7	27.4	-7.4	4.1	-50.7	-62.8	36.8
89 5 11	470018669.9	41.2	6.4	40.7	6.0	4.5	4.9	-7.2	41.0
89 5 12	470018685.1	56.3	6.3	36.7	2.0	4.0	75.2	63.2	40.6
89 10 24	470018608.5	-20.3	6.3	32.8	-1.9	4.2	15.3	3.2	28.2
89 11 2	470018616.3	-12.4	4.7	52.5	17.8	5.0	-14.7	-26.8	32.7
89 11 3	470018616.8	-11.9	6.2	39.9	5.2	5.7	-17.2	-29.2	38.9
89 11 7	470018598.1	-30.7	5.9	33.5	-1.3	4.3	-26.0	-38.1	30.1
89 11 8	470018612.8	-16.0	5.1	30.2	-4.5	3.4	34.7	22.6	24.8
89 11 12	470018600.3	-28.4	5.7	41.0	6.3	4.1	-8.4	-20.5	28.7
89 11 13	470018611.1	-17.6	5.7	43.8	9.0	3.7	11.7	-.4	27.4
89 11 17	470018616.2	-12.5	6.2	34.6	-.1	4.6	44.2	32.2	30.9
89 11 18	470018617.7	-11.0	5.7	30.4	-4.3	3.9	50.0	38.0	30.1
90 1 26	470018604.5	-24.3	5.7	36.5	1.8	4.8	-17.1	-29.2	36.1
90 1 27	470018601.7	-27.0	5.1	50.8	16.0	4.4	75.4	63.3	33.3

Table 7.253
Baseline summary for FORTORDS-HAYSTACK

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
89 10 24	4225000764.4	.0	15.2	127.1	.0	21.5	57.6	.0	56.8

Table 7.254
Baseline summary for FORTORDS-MOJAVE12

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 11 9	462074954.1	-15.6	4.6	21.9	-44.8	6.6	46.1	29.2	42.6
88 11 10	462074944.7	-25.0	3.7	24.2	-42.5	5.2	-41.8	-58.8	30.4
89 2 3	462074936.6	-33.2	4.2	29.3	-37.4	5.7	16.6	-.3	38.4
89 2 4	462074954.6	-15.2	3.6	19.0	-47.7	4.8	-2.5	-19.5	31.4
89 5 11	462074965.2	-4.5	4.3	32.8	-34.0	5.9	20.8	3.8	36.5
89 5 12	462074958.7	-11.0	4.3	23.1	-43.7	5.9	52.4	35.4	41.6
89 10 24	462074985.5	15.8	4.9	86.2	19.4	6.3	61.4	44.4	31.2
89 11 2	462074980.4	10.7	5.0	76.8	10.0	4.9	-25.7	-42.7	33.6
89 11 3	462074976.2	6.4	5.9	81.5	14.8	6.3	-13.5	-30.5	40.4
89 11 7	462074983.8	14.1	4.4	102.9	36.2	5.8	-36.1	-53.1	31.2
89 11 8	462074975.5	5.7	3.7	93.1	26.4	5.0	25.1	8.1	25.9
89 11 12	462074987.4	17.7	4.4	91.0	24.2	5.9	-1.3	-18.3	30.6
89 11 13	462074982.1	12.4	4.2	86.8	20.0	5.6	26.5	9.5	29.4
89 11 17	462074974.5	4.8	4.7	84.0	17.2	6.1	34.6	17.6	32.1
89 11 18	462074977.5	7.8	4.5	92.4	25.7	5.5	56.1	39.1	32.0
90 1 26	462074987.1	17.4	4.6	91.5	24.8	5.5	-2.4	-19.4	36.8
90 1 27	462074992.0	22.2	4.5	93.5	26.7	4.7	91.1	74.2	33.6

Table 7.255
Baseline summary for FORTORDS-OVRO 130

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 11 9	319006656.0	7.1	6.1	22.3	-2.0	7.1	42.1	35.8	47.2
88 11 10	319006645.5	-3.5	4.3	25.7	1.5	6.0	-22.7	-29.0	42.5

Table 7.256
Baseline summary for FORTORDS-PRESIDIO

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
89 10 24	147938857.6	5.8	7.3	-17.6	2.6	5.8	59.7	-38.0	43.4
89 11 17	147938842.3	-9.5	8.7	-25.5	-5.3	7.8	198.9	101.2	57.1
89 11 18	147938852.7	.9	7.4	-19.8	.4	6.0	66.7	-31.1	53.5

Table 7.257
Baseline summary for FORTORDS-PT REYES

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 11 9	197185405.0	38.6	6.4	7.7	31.2	6.1	41.3	31.1	45.1
89 11 7	197185349.6	-16.8	7.1	-38.9	-15.5	6.4	-47.0	-57.2	53.8
89 11 8	197185360.3	-6.2	6.1	-27.9	-4.4	5.6	11.7	1.5	46.8
89 11 12	197185349.6	-16.9	7.2	-26.1	-2.6	5.8	11.7	1.5	54.2
89 11 13	197185360.1	-6.4	7.1	-32.7	-9.2	6.1	18.7	8.5	50.7

Table 7.258
Baseline summary for FORTORDS-QUINCY

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
89 11 2	382655480.9	.9	6.2	45.5	2.2	6.8	-37.8	-14.7	48.5
89 11 3	382655478.6	-1.4	7.9	40.9	-2.4	7.1	-2.5	20.5	57.3

Table 7.259
Baseline summary for FORTORDS-VNDNBERG

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 11 9	248717520.1	-26.6	5.9	-10.3	-30.0	5.5	45.1	46.0	43.6
88 11 10	248717521.8	-24.8	6.2	7.5	-12.1	4.3	-89.8	-88.9	36.1
89 2 3	248717510.5	-36.2	5.5	12.8	-6.9	4.6	24.7	25.6	39.7
89 2 4	248717519.0	-27.7	4.3	6.2	-13.5	3.9	14.5	15.4	31.9
89 5 11	248717524.1	-22.6	5.4	-8.4	-28.1	4.6	14.4	15.3	36.7
89 5 12	248717512.0	-34.7	5.2	-9.4	-29.0	4.8	80.7	81.6	41.1
89 10 24	248717562.1	15.5	6.3	33.0	13.4	5.1	-31.8	-30.9	30.9
89 11 2	248717563.3	16.6	5.4	29.1	9.4	5.4	-33.0	-32.0	38.6
89 11 3	248717547.8	1.2	6.6	29.6	9.9	6.0	-29.3	-28.4	43.9
89 11 7	248717575.1	28.4	5.7	37.0	17.3	4.8	-70.3	-69.4	33.0
89 11 8	248717561.9	15.3	4.9	29.5	9.8	4.1	-9.7	-8.8	27.0
89 11 12	248717568.7	22.0	5.9	30.1	10.4	4.5	-25.4	-24.5	31.6
89 11 13	248717561.8	15.1	5.5	30.2	10.5	4.5	-11.4	-10.5	30.3
89 11 17	248717554.9	8.2	6.3	32.6	12.9	5.2	27.9	28.8	35.4
89 11 18	248717560.0	13.4	5.4	31.3	11.6	4.4	39.5	40.4	32.1
90 1 26	248717563.8	17.2	5.2	33.0	13.4	4.8	-10.1	-9.2	36.9
90 1 27	248717572.8	26.2	4.6	25.9	6.2	4.6	88.5	89.4	33.9

Table 7.260
Baseline summary for FORTORDS-WESTFORD

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
89 10 24	4224718660.3	16.3	12.2	112.1	-3.1	9.3	25.3	47.7	33.3
89 11 2	4224718641.3	-2.7	12.4	131.5	16.3	18.7	-53.4	-31.0	41.5
89 11 3	4224718633.7	-10.2	15.0	118.6	3.4	11.3	-84.5	-62.0	42.8
89 11 7	4224718633.8	-10.2	13.5	109.5	-5.8	17.2	-16.4	6.0	40.1
89 11 8	4224718620.9	-23.0	11.0	115.8	.6	8.6	-27.6	-5.2	29.9
89 11 12	4224718648.4	4.5	11.8	112.8	-2.4	16.9	-56.0	-33.6	37.1
89 11 13	4224718648.6	4.6	12.1	105.2	-10.0	9.6	-23.7	-1.3	33.9
89 11 17	4224718648.1	4.1	12.6	116.7	1.5	17.3	-53.3	-30.8	39.0
89 11 18	4224718661.2	17.2	12.4	124.2	9.0	10.2	59.4	81.8	38.0

Table 7.261
Baseline summary for FORT ORD-GILCREEK

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 2 14	3530381355.6	-8.9	13.4	9.4	5.5	12.2	-9.8	-19.0	49.3
88 2 15	3530381380.4	15.9	16.5	10.7	6.8	17.7	48.0	38.8	55.3
88 2 18	3530381370.3	5.8	13.0	3.0	-.9	11.4	13.4	4.2	50.6
88 2 19	3530381355.1	-9.4	14.8	-3.6	-7.5	12.0	-10.9	-20.1	55.7

Table 7.262
Baseline summary for FORT ORD-HRAS 085

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
85 3 11	1774675631.9	-41.0	8.1	-78.0	-35.5	8.5	23.4	19.6	58.7
85 10 24	1774675658.2	-14.7	9.1	-41.7	.8	9.3	81.8	78.0	52.3
87 2 10	1774675689.9	17.0	9.7	-28.9	13.7	10.2	-90.8	-94.6	51.1
87 10 19	1774675724.3	51.4	9.1	-5.4	37.1	10.3	8.2	4.4	46.4

Table 7.263
Baseline summary for FORT ORD-JPL MV1

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
87 10 19	426048766.1	.0	6.0	2.1	.0	6.2	49.7	.0	41.6

Table 7.264

Baseline summary for FORT ORD-MON PEAK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 2 10	644206243.3	.0	6.9	-17.8	.0	5.7	-4.5	.0	46.9

Table 7.265

Baseline summary for FORT ORD-PRESIDIO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 8 26	139787414.1	23.5	10.2	-5.1	-2.3	10.9	53.6	44.5	73.6
85 10 24	139787406.9	16.2	5.4	-12.3	-9.5	4.4	-43.8	-52.9	50.3
88 2 18	139787375.4	-15.3	5.7	-.8	2.0	5.1	39.4	30.3	36.8
88 2 19	139787377.7	-12.9	6.5	8.0	10.8	5.0	-9.8	-18.9	44.1

Table 7.266

Baseline summary for FORT ORD-PT REYES

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 5 22	189551467.2	-4.0	8.7	1.5	-4.4	7.1	-127.3	-112.0	59.6
88 2 14	189551469.2	-2.1	6.2	2.8	-3.1	5.2	-42.5	-27.2	38.9
88 2 15	189551476.1	4.9	6.8	12.5	6.6	5.7	85.4	100.7	45.1

Table 7.267

Baseline summary for FTD 7900-HRAS 085

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 10 9	104738.0	.0	3.5	-1.5	.0	2.5	-17.5	.0	15.5

Table 7.268

Baseline summary for FTD 7900-MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 10 9	1313407340.9	.0	3.9	-2.7	.0	4.2	-5.2	.0	17.6

Table 7.269

Baseline summary for FTD 7900-PIETOWN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 10 9	564691753.2	.0	3.4	-3.5	.0	2.8	19.7	.0	14.9

Table 7.270

Baseline summary for FTD 7900-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 10 9	3134986759.0	.0	6.4	-17.4	.0	8.1	-62.7	.0	24.4

Table 7.271

Baseline summary for GILCREEK-GOLDVENU

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 7 9	3827523783.3	11.5	4.4	1.7	16.4	13.7	1.5	18.6	23.3
90 8 21	3827523763.2	-8.7	3.9	-19.0	-4.3	7.0	-24.1	-7.1	14.4

Table 7.272
Baseline summary for GILCREEK-HALEAKAL

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 6 26	4837174035.6	-6.0	25.0	23.2	-.2	13.4	-40.7	-20.1	59.8
88 7 2	4837174016.6	-25.0	21.3	14.6	-8.8	14.6	36.8	57.4	54.7
88 7 10	4837174047.8	6.2	9.8	42.5	19.1	21.1	-40.6	-20.0	38.3

Table 7.273
Baseline summary for GILCREEK-HARTRAO

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 5 24	11997919445.2	42.4	55.9	75.7	-17.4	26.9	-82.0	3.9	30.8
90 5 25	11997919385.1	-17.7	36.1	147.3	54.2	47.5	-95.9	-10.0	49.2

Table 7.274
Baseline summary for GILCREEK-HOBART26

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
89 9 27	10953029896.8	92.2	43.6	-45.2	-50.9	43.6	-9.4	-23.4	55.3
89 11 26	10953029828.9	24.3	18.5	46.3	40.7	43.6	92.1	78.2	47.0
89 12 19	10953029828.0	23.4	21.1	-25.0	-30.6	22.5	8.7	-5.2	26.7
89 12 20	10953029809.7	5.1	16.6	3.9	-1.7	24.6	-31.1	-45.0	29.6
90 2 13	10953029822.6	18.0	18.5	-6.6	-12.2	22.7	-20.6	-34.5	28.5
90 3 23	10953029805.5	.9	10.4	88.1	82.5	21.9	-22.7	-36.6	25.5
90 3 28	10953029773.8	-30.8	15.7	-24.9	-30.6	22.0	36.3	22.4	26.1
90 4 14	10953029719.4	-85.2	27.8	11.7	6.1	29.7	98.4	84.5	39.5
90 5 7	10953029777.3	-27.3	35.3	-2.9	-8.6	24.8	-42.9	-56.8	37.1
90 5 24	10953029828.6	24.0	27.4	-26.7	-32.4	23.2	40.6	26.7	31.0
90 5 25	10953029867.3	62.7	27.8	-23.3	-28.9	43.4	39.9	25.9	47.9
90 6 23	10953029842.9	38.3	26.7	-73.6	-79.3	22.8	19.5	5.6	32.8
90 7 21	10953029810.3	5.7	35.7	14.9	9.2	24.9	25.3	11.4	36.7
90 9 9	10953029791.5	-13.1	33.8	-21.4	-27.0	24.5	-6.7	-20.6	36.2
90 10 6	10953029731.5	-73.2	21.5	-21.4	-27.0	23.0	-9.1	-23.0	30.1
90 11 18	10953029772.4	-32.2	26.9	120.7	115.0	23.7	69.4	55.5	30.9
90 12 18	10953029862.3	57.7	35.0	55.7	50.1	22.9	33.9	20.0	37.4

Table 7.275
Baseline summary for GILCREEK-KASHIM34

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 3 23	5427062798.4	-3.3	4.1	70.1	14.5	11.4	-.3	-42.3	15.7
90 3 28	5427062784.6	-17.1	6.1	29.7	-25.9	11.6	38.7	-3.4	18.2
90 4 20	5427062801.1	-.7	5.0	60.6	5.0	21.8	-16.8	-58.8	24.7
90 5 24	5427062811.2	9.5	7.9	65.2	9.6	12.2	90.3	48.3	21.8
90 5 25	5427062790.6	-11.1	7.6	80.1	24.5	21.9	104.9	62.8	28.2
90 6 23	5427062816.1	14.4	14.3	43.7	-12.0	13.4	126.0	84.0	33.0
90 6 26	5427062818.4	16.7	8.3	58.3	2.7	12.0	36.7	-5.3	25.7
90 7 21	5427062794.4	-7.4	18.1	46.4	-9.2	14.4	44.8	2.7	40.1
90 8 12	5427062823.0	21.2	8.3	59.4	3.8	13.4	10.8	-31.3	24.0
90 8 21	5427062801.7	.0	4.9	6.0	-49.6	12.7	59.4	17.3	18.5
90 10 6	5427062795.5	-6.2	7.3	39.7	-15.9	12.1	10.5	-31.6	20.0
90 10 11	5427062809.7	7.9	4.8	82.1	26.5	12.1	74.3	32.3	20.0
90 11 18	5427062789.5	-12.2	9.8	108.2	52.6	12.7	10.2	-31.8	25.6
90 12 18	5427062809.9	8.1	19.9	38.9	-16.7	16.3	154.8	112.8	38.3

Table 7.276
Baseline summary for GILCREEK-MARCUS

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 6 26	5885337024.0	.0	10.2	232.8	.0	13.0	.2	.0	27.4

Table 7.277
Baseline summary for GILCREEK-MARPOINT

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 2 11	5152474992.6	-61.5	27.4	-93.1	-77.5	67.1	-32.6	-26.5	187.5
88 2 26	5152475064.6	10.6	15.2	-12.2	3.4	49.7	-22.7	-16.6	93.7
88 3 17	5152475009.5	-44.6	35.9	-112.6	-96.9	103.7	292.9	298.9	133.8
88 3 25	5152475009.0	-45.1	25.4	-24.7	-9.1	46.0	108.3	114.4	149.3
88 4 1	5152475046.7	-7.3	25.7	-53.5	-37.9	63.2	178.9	185.0	147.0
88 6 6	5152475026.7	-27.3	17.6	-28.5	-12.8	23.5	88.0	94.1	67.8
88 7 17	5152475036.1	-18.0	13.0	-150.9	-135.3	172.8	-190.5	-184.4	214.9
88 9 11	5152475150.4	96.3	46.3	-16.2	-.6	20.4	286.0	292.1	109.5
88 9 22	5152475040.6	-13.5	54.3	11.4	27.0	56.1	49.7	55.7	192.4
88 9 29	5152475037.5	-16.6	24.5	-27.9	-12.3	60.1	188.8	194.9	118.9
88 10 7	5152475006.9	-47.1	38.8	-72.3	-56.7	69.9	180.4	186.4	176.6
88 12 16	5152475057.3	3.2	21.8	-87.4	-71.8	81.2	-4.0	2.0	128.5
88 12 22	5152475057.2	3.1	18.3	.1	15.8	20.3	12.7	18.8	42.1
89 1 6	5152475063.6	9.5	34.1	-17.6	-2.0	63.0	-54.9	-48.8	147.4
89 1 15	5152475030.2	-23.9	26.2	34.3	50.0	35.7	-67.6	-61.5	78.8
89 2 20	5152475035.8	-18.3	29.4	-43.6	-27.9	34.2	-84.7	-78.7	82.2
89 4 4	5152475060.2	6.2	17.4	-23.7	-8.1	12.0	90.4	96.5	45.9
89 6 5	5152475072.5	18.5	15.2	19.6	35.2	21.1	-102.9	-96.8	38.7
89 6 28	5152475084.9	30.8	10.3	-12.3	3.3	10.4	-42.3	-36.2	33.5
89 7 19	5152475024.6	-29.5	13.0	17.2	32.8	20.0	-22.6	-16.5	32.2
89 7 24	5152475042.5	-11.6	13.7	-14.6	1.0	19.8	-24.3	-18.2	37.8
89 8 8	5152475069.3	15.2	9.5	-10.6	5.0	19.1	-39.1	-33.1	28.6
89 8 18	5152475054.1	.1	9.8	-38.2	-22.6	19.2	68.3	74.3	34.1
89 8 25	5152475069.1	15.0	14.2	-21.5	-5.9	10.0	-33.0	-26.9	36.0

Table 7.278
Baseline summary for GILCREEK-MATERA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 10 5	7659919182.7	20.2	25.1	-45.6	-.2	12.5	-150.8	-89.6	40.9
90 11 9	7659919140.6	-21.9	25.1	-45.4	.0	11.9	-.3	60.8	41.0
90 12 4	7659919164.2	1.8	24.9	-45.2	.2	14.2	-17.4	43.7	50.2

Table 7.279
Baseline summary for GILCREEK-MEDICINA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 12 22	7266952159.3	-7.1	15.4	-30.1	7.4	28.1	-.2	4.9	40.1
90 8 21	7266952167.6	1.3	6.6	-38.6	-1.1	10.9	-6.5	-1.4	21.2

Table 7.280
Baseline summary for GILCREEK-MOBEY 6M

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 11 20	5522166152.1	-25.1	30.7	-34.2	-57.6	26.4	4.9	12.5	73.4
90 1 24	5522166168.2	-9.1	18.9	26.2	2.8	15.9	9.3	16.9	45.4
90 3 28	5522166147.2	-30.1	12.9	-.6	-23.9	12.5	46.9	54.4	28.1
90 7 21	5522166188.9	11.6	36.2	22.2	-1.2	18.1	28.2	35.8	73.1
90 8 12	5522166174.8	-2.5	32.4	10.7	-12.6	17.5	37.7	45.3	63.2
90 11 18	5522166230.1	52.9	15.2	73.7	50.3	13.7	-113.8	-106.2	33.0

Table 7.281
Baseline summary for GILCREEK-NOTO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 10	7973487673.2	-8.2	15.3	11.4	-13.5	30.7	-37.0	-3.6	36.5
89 7 19	7973487672.5	-8.9	13.4	17.5	-7.4	30.8	-51.9	-18.4	38.5
89 9 11	7973487711.9	30.4	18.9	30.3	5.4	15.6	-17.2	16.2	32.8

Table 7.282
Baseline summary for GILCREEK-NRAO85 3

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
89 2 20	5034926347.3	-7.2	78.2	-33.8	-8.5	38.6	-84.9	-14.9	173.2
89 4 4	5034926339.6	-14.9	18.1	-20.0	5.2	11.7	90.9	160.9	51.3
89 4 21	5034926375.4	20.9	18.4	-276.2	-251.0	100.6	-517.0	-447.0	183.5
89 5 9	5034926339.6	-14.8	10.3	-25.4	-.2	10.2	-52.9	17.1	36.8
89 6 5	5034926359.3	4.8	14.1	12.7	37.9	20.5	-82.3	-12.3	36.9
89 6 28	5034926383.1	28.7	10.1	-16.7	8.5	10.1	-105.1	-35.1	33.1
89 7 3	5034926354.2	-.3	9.3	-25.7	-.5	10.4	-101.3	-31.3	34.5
89 7 10	5034926360.0	5.6	9.0	5.8	31.0	18.9	-35.0	35.0	28.3
89 7 19	5034926353.2	-1.3	11.3	10.0	35.2	19.4	-86.9	-16.9	29.4
89 7 24	5034926355.5	1.1	10.7	-6.6	18.6	19.1	-115.9	-45.9	32.5
89 8 5	5034926350.1	-4.3	10.8	-6.7	18.5	9.7	-47.3	22.7	24.6
89 8 8	5034926358.3	3.8	9.3	-23.3	1.9	18.7	-66.7	3.3	28.2
89 8 18	5034926354.0	-.5	10.1	-40.5	-15.3	18.8	16.9	86.9	34.1
89 8 25	5034926342.4	-12.1	13.7	-1.2	24.0	9.5	51.2	121.2	35.8
89 9 1	5034926354.7	.2	10.3	-56.2	-31.0	10.7	-93.0	-23.0	34.1
89 9 8	5034926355.1	.6	8.4	-47.4	-22.2	19.2	-17.8	52.2	31.4
89 9 11	5034926391.5	37.0	13.3	-20.8	4.4	10.3	-55.4	14.6	30.1
89 9 18	5034926353.4	-1.0	10.8	-51.1	-25.9	18.9	-38.2	31.8	30.6
89 9 28	5034926349.4	-5.1	18.9	-24.7	.5	20.8	-45.2	24.8	51.9
89 10 6	5034926359.2	4.7	9.1	-13.5	11.7	9.4	-15.0	55.1	31.2
89 10 12	5034926353.8	-.6	10.8	-32.8	-7.5	19.4	-65.8	4.2	32.7
89 11 22	5034926336.7	-17.7	11.5	-38.8	-13.6	19.7	-53.5	16.5	36.0
89 11 27	5034926375.0	20.5	11.4	-25.1	.1	19.9	-131.9	-61.9	34.9
89 12 5	5034926351.8	-2.6	9.8	-58.3	-33.1	12.0	-83.6	-13.6	29.4
89 12 14	5034926327.5	-27.0	14.6	-20.8	4.4	10.2	-147.0	-77.0	42.2
89 12 18	5034926367.5	13.1	8.2	-21.9	3.3	9.2	-92.7	-22.7	22.4
89 12 28	5034926334.8	-19.6	14.8	-9.2	16.0	9.7	-103.0	-33.0	37.8
90 1 4	5034926350.5	-4.0	19.8	-28.1	-2.9	13.3	-107.6	-37.5	42.3
90 1 11	5034926355.5	1.0	8.8	12.6	37.8	20.1	-63.0	7.0	32.2
90 1 18	5034926331.6	-22.8	9.0	-19.9	5.3	6.0	-71.3	-1.3	21.0
90 2 7	5034926344.5	-10.0	11.0	-18.6	6.7	6.5	-84.8	-14.8	24.2
90 2 15	5034926347.9	-6.6	5.4	-26.1	-.9	19.5	-10.5	59.6	23.8
90 2 21	5034926355.8	1.3	9.0	5.2	30.4	9.9	-70.9	-.9	22.1
90 3 1	5034926348.7	-5.8	6.0	-32.1	-6.9	19.3	-84.3	-14.3	24.2
90 3 8	5034926345.6	-8.9	9.3	-18.7	6.5	9.6	-76.3	-6.3	21.7
90 3 22	5034926342.9	-11.6	8.5	-21.5	3.7	19.2	-58.9	11.1	26.3
90 3 29	5034926341.9	-12.6	6.0	-21.2	4.0	6.2	-69.9	.1	20.0
90 4 5	5034926324.4	-30.0	7.8	-10.6	14.6	19.3	-84.6	-14.6	25.9
90 4 12	5034926338.2	-16.3	5.2	-44.8	-19.6	9.4	-104.1	-34.0	16.9
90 4 17	5034926337.2	-17.3	8.3	-.5	24.7	9.5	-48.5	21.5	22.1
90 4 19	5034926354.4	.0	10.8	-24.6	.6	9.6	-34.0	36.0	23.2
90 4 26	5034926338.0	-16.4	5.5	-12.9	12.3	19.3	-62.0	8.0	23.7
90 5 2	5034926354.4	.0	11.1	-28.5	-3.2	9.6	-103.0	-33.0	23.0
90 5 16	5034926358.4	3.9	8.6	-35.2	-10.0	19.5	-124.6	-54.6	28.1
90 5 23	5034926351.9	-2.6	6.1	-32.9	-7.7	7.4	-120.8	-50.8	20.7
90 5 31	5034926387.6	33.2	12.1	-68.3	-43.1	20.8	-105.3	-35.3	33.7
90 6 5	5034926362.6	8.1	10.3	-18.2	7.0	19.5	-90.4	-20.4	29.3
90 6 13	5034926347.8	-6.7	10.7	-23.5	1.7	10.2	-107.7	-37.7	26.4
90 6 27	5034926361.0	6.6	9.9	-23.2	2.0	6.5	-22.5	47.5	24.4
90 7 6	5034926360.0	5.5	12.1	-58.6	-33.4	10.9	-99.6	-29.6	31.4
90 7 18	5034926374.5	20.1	10.4	-21.2	4.0	10.5	-116.6	-46.6	27.2
90 8 1	5034926355.5	1.1	10.8	-41.3	-16.1	7.1	-33.0	37.0	24.9
90 8 8	5034926347.1	-7.4	9.4	-59.0	-33.8	19.3	-20.0	50.0	29.4
90 8 15	5034926354.3	-.2	8.7	-29.1	-3.9	10.8	-96.4	-26.4	26.5
90 8 23	5034926356.5	2.0	8.9	-65.2	-39.9	18.7	-37.8	32.2	29.4
90 8 29	5034926348.8	-5.7	10.0	-26.7	-1.5	19.8	-89.7	-19.7	32.0
90 9 5	5034926412.8	58.3	16.6	-38.3	-13.0	13.9	-71.9	-1.9	57.6
90 9 12	5034926368.1	13.6	6.5	-41.8	-16.6	19.6	-93.6	-23.6	28.4
90 9 21	5034926363.5	9.0	10.7	-43.6	-18.4	11.0	-75.0	-4.9	33.5
90 9 26	5034926364.1	9.6	5.9	-25.3	-.1	10.0	-52.8	17.2	22.2
90 10 3	5034926356.8	2.3	10.0	-29.4	-4.2	19.4	-86.1	-16.1	30.4
90 10 5	5034926337.0	-17.5	18.7	-29.0	-3.7	8.5	-102.2	-32.2	43.1
90 10 12	5034926348.0	-6.5	5.8	-41.3	-16.1	19.9	-37.0	33.0	25.6
90 10 17	5034926352.9	-1.6	8.8	-47.0	-21.8	19.5	-31.4	38.6	28.4
90 10 23	5034926374.1	19.6	5.9	-35.1	-9.9	19.6	-71.8	-1.8	25.6
90 11 1	5034926367.3	12.8	9.4	-28.7	-3.5	19.7	-109.6	-39.6	29.7

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 11 7	5034926369.7	15.3	5.5	-43.8	-18.6	19.6	-82.4	-12.4	24.7
90 11 9	5034926387.9	33.4	15.3	-43.2	-18.0	8.0	-73.9	-3.9	40.4
90 11 15	5034926382.6	28.1	18.2	-14.6	10.6	10.8	-39.1	30.9	36.9
90 11 21	5034926375.4	21.0	6.6	-23.3	1.9	19.8	-108.3	-38.3	27.9
90 12 6	5034926354.6	.2	6.3	2.4	27.6	19.8	-14.5	55.5	26.3
90 12 12	5034926376.5	22.1	10.0	8.4	33.6	19.8	-24.5	45.5	29.7
90 12 19	5034926338.8	-15.7	7.0	-25.2	.0	6.7	-78.9	-8.9	20.4
90 12 28	5034926321.6	-32.8	25.7	-25.5	-.3	36.5	-44.2	25.8	117.3

Table 7.283
Baseline summary for GILCREEK-NRAO 140

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value mm	Residual mm	Sigma mm	Value mm	Residual mm	Sigma mm	Value mm	Residual mm	Sigma mm
90 9 7	5034558672.4	.0	6.3	8.7	.0	19.4	-80.0	.0	28.9

Table 7.284
Baseline summary for GILCREEK-PIETOWN

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value mm	Residual mm	Sigma mm	Value mm	Residual mm	Sigma mm	Value mm	Residual mm	Sigma mm
89 7 30	4225114878.9	4.9	2.9	-8.2	4.2	16.2	-1.4	-17.4	18.3
89 8 30	4225114867.7	-6.3	3.7	-31.8	-19.4	7.9	-20.5	-36.4	13.0
89 10 16	4225114873.1	-.9	2.3	-16.3	-3.9	8.8	8.4	-7.5	12.0
89 10 17	4225114877.1	3.1	2.2	-18.8	-6.4	15.6	38.2	22.2	17.2
89 10 18	4225114878.0	3.9	2.2	-20.5	-8.1	15.4	37.0	21.0	17.1
89 10 19	4225114879.3	5.3	1.9	-10.3	2.1	7.7	25.2	9.3	11.2
89 10 23	4225114880.3	6.3	1.8	5.5	17.9	15.8	28.8	12.8	17.4
89 10 24	4225114879.5	5.5	2.1	-53.1	-40.7	16.2	21.7	5.7	19.3
89 10 26	4225114874.0	.0	1.9	-15.8	-3.4	7.5	-17.5	-33.5	9.8
89 10 27	4225114878.8	4.8	1.7	-26.9	-14.4	16.1	17.3	1.4	17.4
89 10 28	4225114872.5	-1.5	1.9	-32.6	-20.2	16.0	34.3	18.3	17.0
89 10 29	4225114872.0	-2.0	1.8	-24.8	-12.4	7.3	15.3	-.7	9.3
89 10 31	4225114874.8	.8	1.8	5.7	18.1	7.3	7.1	-8.8	9.5
89 11 1	4225114880.4	6.4	2.0	16.4	28.8	15.9	19.6	3.7	17.2
90 1 10	4225114879.7	5.7	2.8	22.6	35.0	16.5	19.7	3.7	18.7
90 2 16	4225114875.8	1.7	3.7	-8.2	4.2	8.2	-12.3	-28.2	13.4
90 3 30	4225114864.7	-9.3	2.2	-13.3	-.9	7.9	14.8	-1.1	10.8
90 4 27	4225114862.7	-11.3	2.1	-8.6	3.8	7.8	32.3	16.4	9.7
90 5 15	4225114858.6	-15.4	2.3	-29.8	-17.4	16.3	-8.9	-24.8	17.5
90 6 29	4225114870.2	-3.8	2.7	-23.5	-11.1	16.1	60.7	44.7	17.6
90 7 24	4225114873.2	-.8	3.8	8.0	20.4	16.2	25.8	9.9	18.9
90 10 26	4225114873.2	-.8	4.0	-13.9	-1.5	8.4	.6	-15.3	13.2
90 11 30	4225114870.6	-3.4	2.4	-1.4	11.0	7.9	27.1	11.2	11.1
90 12 15	4225114866.2	-7.8	3.0	-8.5	3.9	8.0	62.3	46.3	12.3

Table 7.285
Baseline summary for GILCREEK-PINFLATS

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value mm	Residual mm	Sigma mm	Value mm	Residual mm	Sigma mm	Value mm	Residual mm	Sigma mm
90 2 10	3999058539.9	-9.2	11.2	42.1	16.0	16.0	84.1	43.9	38.1
90 2 11	3999058559.4	10.3	11.9	21.2	-4.9	8.8	1.0	-39.2	36.0

Table 7.286
Baseline summary for GILCREEK-PRESIDIO

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value mm	Residual mm	Sigma mm	Value mm	Residual mm	Sigma mm	Value mm	Residual mm	Sigma mm
88 2 18	3396404687.5	34.7	10.2	3.3	-1.4	10.6	25.9	7.6	43.1
88 2 19	3396404682.6	29.7	11.2	-11.8	-16.5	11.5	1.9	-16.4	45.6
89 10 21	3396404653.6	.7	21.1	21.0	16.3	13.0	13.4	-4.8	62.6
89 10 24	3396404639.2	-13.7	12.3	6.4	1.7	8.1	-13.5	-31.7	39.1
89 11 17	3396404614.9	-38.0	17.7	24.6	19.9	15.3	146.4	128.1	56.6
89 11 18	3396404647.6	-5.3	16.7	5.6	.8	10.0	-26.2	-44.5	51.2
90 1 21	3396404611.6	-41.3	13.1	-11.2	-16.0	14.1	65.7	47.4	45.6
90 1 22	3396404639.9	-13.0	11.5	5.0	.2	8.1	-10.4	-28.7	37.9

Table 7.287
Baseline summary for GILCREEK-PT REYES

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 2 14	3352262249.6	45.8	9.0	5.6	-5.7	11.3	-30.0	-10.8	40.4
88 2 15	3352262231.1	27.4	12.0	-1.2	-12.5	16.6	33.0	52.1	45.4
88 11 9	3352262215.4	11.6	8.8	21.8	10.6	6.6	8.8	27.9	27.0
89 2 8	3352262207.4	3.6	13.1	-25.0	-36.3	10.6	-73.7	-54.5	43.3
89 11 7	3352262189.9	-13.9	17.0	5.7	-5.6	14.4	-79.3	-60.1	53.6
89 11 8	3352262160.1	-43.7	14.4	-1.6	-12.9	8.0	11.3	30.4	43.8
89 11 12	3352262179.2	-24.6	16.0	9.0	-2.2	14.0	3.7	22.9	51.9
89 11 13	3352262166.0	-37.8	15.9	25.7	14.4	8.9	3.2	22.3	50.3
90 1 16	3352262164.5	-39.3	12.3	38.8	27.6	14.3	-33.8	-14.6	43.7
90 1 17	3352262174.8	-29.0	13.1	25.8	14.5	12.6	-112.5	-93.3	53.7

Table 7.288
Baseline summary for GILCREEK-PVERDES

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 2 5	3923759643.9	-7.7	12.0	17.0	4.6	16.2	37.1	31.3	39.3
90 2 6	3923759657.9	6.3	10.8	11.2	-1.3	8.5	-14.2	-20.1	31.5

Table 7.289
Baseline summary for GILCREEK-QUINCY

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 11 2	3227111806.7	13.3	12.1	21.6	9.4	16.3	-51.4	-56.9	47.5
89 11 3	3227111803.4	10.0	13.1	21.7	9.4	9.7	20.8	15.3	47.8
90 10 8	3227111780.3	-13.1	11.3	4.0	-8.2	13.3	28.7	23.2	42.3
90 10 9	3227111787.2	-6.3	11.8	6.9	-5.3	7.7	15.5	10.0	42.7

Table 7.290
Baseline summary for GILCREEK-SANPAULA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 1 31	3841665986.2	-6.8	13.8	-.3	-7.4	16.1	-10.8	2.0	45.2
90 2 1	3841665999.6	6.6	13.6	9.5	2.4	9.2	-14.6	-1.7	41.7

Table 7.291
Baseline summary for GILCREEK-SEATTLE1

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 8 9	2429596196.6	-11.1	9.9	-18.5	4.5	11.1	110.4	46.9	45.2
90 8 10	2429596224.5	16.8	12.1	-26.0	-3.0	9.0	-7.5	-71.0	55.6

Table 7.292
Baseline summary for GILCREEK-SEST

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 24	10483693357.2	5.4	33.9	.6	4.7	22.9	-65.8	22.3	32.2
90 5 25	10483693344.9	-6.8	38.0	-19.7	-15.6	41.7	-138.0	-49.9	48.2

Table 7.293
Baseline summary for GILCREEK-SHANGHAI

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
86 6 14	6619027676.8	.0	76.2	-30.4	.0	55.2	-93.2	.0	173.8

Table 7.294
Baseline summary for GILCREEK-VICTORIA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 8 2	2318448279.7	.9	10.6	-6.8	-2.9	7.2	16.3	19.9	45.0
90 8 3	2318448284.8	6.0	12.2	-7.1	-3.1	10.9	-13.7	-10.1	50.4
90 8 4	2318448271.8	-7.1	12.2	5.7	9.6	10.8	-19.8	-16.2	52.6

Table 7.295
Baseline summary for GILCREEK-YELLOWKN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 8 25	1631193649.6	-7.6	7.7	37.7	10.6	8.8	181.1	19.0	46.5
85 9 5	1631193662.5	5.3	6.5	21.9	-5.2	6.2	149.4	-12.8	38.2

Table 7.296
Baseline summary for GOLDVENU-HAYSTACK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
81 11 20	3900825659.0	-31.3	8.0	40.4	43.1	47.5	158.6	167.9	268.4
90 8 21	3900825699.7	9.3	4.4	-3.6	-.9	6.8	-9.9	-.5	15.2

Table 7.297
Baseline summary for GOLDVENU-HRAS 085

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
81 11 20	1302373946.6	-3.7	5.8	21.2	19.3	84.8	61.2	43.4	243.3
82 6 22	1302373953.6	3.3	9.3	-27.4	-29.3	84.6	-65.9	-83.8	244.2
82 10 24	1302373954.0	3.7	7.2	4.7	2.8	44.9	29.8	11.9	133.3

Table 7.298
Baseline summary for GOLDVENU-KASHIM34

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 8 21	8101501398.4	.0	8.7	-34.2	.0	17.9	78.7	.0	20.4

Table 7.299
Baseline summary for GOLDVENU-MEDICINA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 8 21	8838183465.0	.0	8.7	-9.5	.0	9.5	43.5	.0	25.6

Table 7.300
Baseline summary for GOLDVENU-MOJ 7288

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	12776768.6	.0	2.3	-3.7	.0	2.3	-4.0	.0	15.8

Table 7.301
Baseline summary for GOLDVENU-NRAO 140

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
81 11 20	3257509153.7	.0	7.4	48.0	.0	83.1	100.6	.0	312.4

Table 7.302
Baseline summary for GOLDVENU-ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
81 11 20	8024928067.9	-107.3	19.6	-105.0	-110.9	519.7	113.8	79.4	605.1
82 6 17	8024928146.1	-29.1	27.3	-295.3	-301.1	523.5	577.5	543.0	620.2
82 6 22	8024928065.1	-110.2	34.5	-64.5	-70.3	517.6	443.8	409.4	612.1
90 8 21	8024928203.7	28.5	8.3	6.0	.1	9.2	32.9	-1.5	23.6

Table 7.303
Baseline summary for GOLDVENU-OVR 7853

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	258212542.4	.0	2.7	-.3	.0	2.7	-1.2	.0	14.7

Table 7.304
Baseline summary for GOLDVENU-PRESIDIO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 8 28	580657654.2	.0	15.7	-21.2	.0	30.7	-159.9	.0	106.4

Table 7.305
Baseline summary for GOLDVENU-PT REYES

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 8 28	633483758.2	.0	14.4	-51.0	.0	32.9	-11.5	.0	101.4

Table 7.306
Baseline summary for GOLDVENU-QUINCY

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
82 10 24	639556784.7	.0	6.3	29.8	.0	25.1	4.2	.0	82.7

Table 7.307
Baseline summary for GOLDVENU-VNDNBERG

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 8 28	357563252.0	.0	9.8	-109.2	.0	19.4	63.8	.0	79.2

Table 7.308
Baseline summary for GOLDVENU-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
81 11 20	3900445490.6	-19.5	8.2	46.1	50.3	47.5	160.9	160.4	268.7
82 6 17	3900445529.0	18.9	12.8	-164.4	-160.1	49.1	276.6	276.2	278.5
82 6 22	3900445493.9	-16.2	15.6	-79.1	-74.8	48.2	97.8	97.4	276.1
88 7 9	3900445516.8	6.7	5.2	6.3	10.6	11.8	-5.1	-5.5	27.9

Table 7.309
Baseline summary for GORF7102-HRAS 085

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 5 31	2618744928.9	.0	6.5	-26.3	.0	10.8	-23.4	.0	30.0

Table 7.310
Baseline summary for GORF7102-MARPOINT

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 5 31	79845258.7	-1.8	4.1	-3.9	-6.6	3.4	-24.3	-5.8	25.4
89 6 1	79845266.8	6.3	7.7	23.8	21.1	6.0	-5.1	13.3	38.4

Table 7.311
Baseline summary for GORF7102-MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 10 12	3506892275.8	-7.5	9.9	-7.1	-6.0	16.4	33.6	6.6	39.8
89 10 13	3506892290.6	7.2	9.8	4.4	5.6	15.8	20.5	-6.6	39.8

Table 7.312
Baseline summary for GORF7102-NRAO85 3

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 5 31	270278765.0	-2.3	3.3	-9.7	-5.9	4.3	-46.7	-27.1	26.9
89 6 1	270278773.3	6.0	5.5	11.2	15.1	6.9	34.8	54.4	38.1

Table 7.313
Baseline summary for GORF7102-RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 5 31	1519989265.4	7.2	5.7	-16.2	-13.4	6.6	-20.4	-10.9	27.6
89 6 1	1519989252.9	-5.2	9.2	11.2	14.1	6.3	3.2	12.6	39.0
89 10 12	1519989254.6	-3.6	7.5	-17.7	-14.9	9.0	-29.0	-19.5	35.1
89 10 13	1519989252.3	-5.9	7.8	7.9	10.7	8.7	14.0	23.4	32.8

Table 7.314
Baseline summary for GORF7102-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 5 31	600947754.0	-8.3	4.0	7.4	10.0	4.2	-15.7	-14.7	25.0
89 6 1	600947754.0	-8.3	7.0	-17.9	-15.3	5.9	.5	1.4	36.5
89 10 12	600947773.4	11.0	4.5	-6.0	-3.4	5.7	-13.6	-12.6	26.9
89 10 13	600947765.3	3.0	4.7	-3.4	-.8	5.9	30.2	31.1	27.9

Table 7.315
Baseline summary for GRASSE -MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 9 15	8701934667.1	.0	21.9	-27.7	.0	11.5	-22.5	.0	41.5

Table 7.316
Baseline summary for GRASSE -NOTO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 9 13	1024494288.0	-3.0	4.2	5.8	1.5	6.4	-5.5	4.9	25.3
89 9 14	1024494294.5	3.5	4.5	3.6	-.7	4.4	-15.0	-4.6	24.3

Table 7.317
Baseline summary for GRASSE -RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 9 15	7392007135.9	.0	20.6	-17.3	.0	13.9	-47.0	.0	40.4

Table 7.318
Baseline summary for GRASSE -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 9 15	5890367638.9	.0	12.9	-22.6	.0	10.3	-38.5	.0	34.8

Table 7.319
Baseline summary for GRASSE -WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 9 13	753160844.4	-.5	3.4	1.9	4.3	4.3	15.8	7.7	15.8
89 9 14	753160846.2	1.3	3.1	-1.6	.8	3.1	10.7	2.5	13.9
89 9 15	753160840.2	-4.7	4.1	-6.6	-4.2	3.9	-24.7	-32.8	23.9
89 9 17	753160848.9	4.0	4.7	-4.1	-1.6	6.0	14.4	6.2	21.3

Table 7.320
Baseline summary for HALEAKAL-KAUAI

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 6 26	386841604.8	-2.6	8.1	-22.7	-24.8	8.5	-54.1	-69.8	55.7
88 7 2	386841602.7	-4.7	6.9	-9.2	-11.3	7.5	-44.7	-60.4	47.5
88 7 10	386841608.6	1.2	3.0	10.9	8.8	4.0	36.5	20.8	20.6

Table 7.321
Baseline summary for HALEAKAL-MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 6 26	4090637529.9	-17.1	19.4	57.1	5.7	13.9	82.8	75.9	59.9
88 7 2	4090637512.6	-34.3	16.5	41.6	-9.9	15.4	-49.6	-56.4	53.7
88 7 10	4090637557.6	10.7	7.9	55.2	3.8	17.6	4.9	-2.0	35.2

Table 7.322
Baseline summary for HARTRAO -HOBART26

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 24	9167618435.4	-14.0	44.0	-33.1	8.5	21.4	185.7	64.2	52.4
90 5 25	9167618457.4	8.0	33.3	-65.8	-24.2	36.1	62.9	-58.6	50.1

Table 7.323
Baseline summary for HARTRAO -KASHIM34

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 24	11181747926.0	29.1	53.6	28.2	-11.2	28.0	18.3	21.6	33.7
90 5 25	11181747884.6	-12.4	34.9	68.8	29.3	45.3	-43.9	-40.7	46.3

Table 7.324
Baseline summary for HARTRAO -KASHIMA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 4 4	11181845895.7	-39.3	75.0	135.7	45.2	64.9	-27.4	-80.7	71.5
90 5 9	11181845942.0	7.0	31.8	83.3	-7.3	26.0	68.3	15.0	30.8

Table 7.325

Baseline summary for HARTRAO -KAUAI

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 24	12723069173.3	10.3	58.7	-203.6	4.6	27.0	-135.3	20.4	31.2
90 5 25	12723069158.2	-4.8	40.0	-223.6	-15.4	49.5	-212.3	-56.5	51.9

Table 7.326

Baseline summary for HARTRAO -MEDICINA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 12 19	7453222494.1	-17.4	22.3	85.3	54.3	110.0	88.1	89.5	77.3
89 2 3	7453222453.2	-58.3	23.2	73.5	42.5	28.9	33.0	34.5	56.0
89 2 18	7453222532.1	20.6	18.0	.8	-30.2	19.3	-98.5	-97.1	43.5
90 5 9	7453222537.4	26.0	18.2	39.1	8.1	17.6	27.5	29.0	33.8

Table 7.327

Baseline summary for HARTRAO -MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 12 22	12260678956.9	-81.6	48.8	-71.3	-28.1	50.0	-70.1	-125.5	68.9
90 1 30	12260678989.4	-49.1	28.9	-9.7	33.5	47.5	-100.4	-155.8	51.4
90 4 24	12260679064.0	25.6	30.3	-91.1	-47.9	24.3	152.4	97.0	32.1
90 5 22	12260679031.5	-6.9	22.3	-61.2	-18.0	23.0	-7.2	-62.6	28.8
90 6 26	12260679013.8	-24.6	36.7	24.0	67.2	23.9	7.5	-47.9	32.4
90 7 20	12260679001.0	-37.5	46.2	-47.6	-4.4	47.6	100.2	44.8	55.4
90 8 14	12260679113.4	75.0	69.4	-18.9	24.3	52.4	222.6	167.2	59.8
90 9 28	12260679050.2	11.8	38.3	-48.7	-5.5	48.1	51.9	-3.5	54.5
90 10 19	12260679008.8	-29.6	32.5	-22.9	20.3	23.1	38.3	-17.1	31.8
90 11 27	12260679068.4	30.0	24.0	-54.6	-11.4	46.9	115.9	60.5	50.7
90 12 11	12260679082.0	43.6	25.4	-140.2	-97.0	47.2	173.5	118.1	50.8

Table 7.328

Baseline summary for HARTRAO -SESHAN25

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 4 4	10160763388.0	-88.0	68.1	161.4	45.5	59.4	41.5	-50.9	72.6
90 5 9	10160763489.9	13.9	27.1	109.0	-6.9	23.1	101.2	8.9	30.3

Table 7.329

Baseline summary for HARTRAO -SEST

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 24	8572702574.5	11.9	44.0	-14.1	1.6	23.6	194.6	.4	54.4
90 5 25	8572702553.9	-8.7	37.5	-19.4	-3.7	35.9	193.8	-.4	53.0

Table 7.330

Baseline summary for HATCREEK-HAYSTACK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 4 27	4032976715.2	-14.0	7.4	-50.1	-25.8	16.3	103.3	21.9	38.0
89 10 24	4032976765.5	36.3	11.9	13.7	38.0	19.8	40.3	-41.1	52.1

Table 7.331

Baseline summary for HATCREEK-JPL MV1

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 6 30	789070043.4	30.1	5.6	-50.4	-55.1	24.0	90.0	-10.6	69.2
87 10 19	789069954.6	-58.7	7.8	9.4	4.7	7.0	107.1	6.5	54.1

Table 7.332
Baseline summary for HATCREEK-KASHIM34

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 10 11	7557379019.6	.0	27.2	49.1	.0	17.9	33.5	.0	47.8

Table 7.333
Baseline summary for HATCREEK-KODIAK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 7 16	2870190267.5	-2.6	12.3	-4.3	-6.1	13.5	-60.5	-45.3	50.8
87 7 18	2870190271.5	1.3	8.7	5.7	3.8	10.6	5.1	20.3	34.0

Table 7.334
Baseline summary for HATCREEK-MAMMOTHL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 6 30	414535910.6	.0	9.2	.5	.0	13.2	-15.6	.0	58.5

Table 7.335
Baseline summary for HATCREEK-PINFLATS

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 2 10	914296116.8	-9.7	5.0	18.6	7.0	5.4	20.5	11.3	33.5
90 2 11	914296137.5	10.9	5.3	6.0	-5.6	4.8	-2.6	-11.7	34.0

Table 7.336
Baseline summary for HATCREEK-PVERDES

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 1 25	830152850.6	15.8	7.6	11.8	-5.0	7.4	-4.0	-10.8	41.6
89 1 26	830152862.0	27.3	7.2	11.3	-5.5	5.3	42.4	35.7	37.3
90 2 5	830152820.2	-14.5	5.5	23.7	6.9	5.7	26.2	19.5	33.8
90 2 6	830152826.9	-7.8	5.0	18.1	1.2	4.0	-24.2	-30.9	29.1

Table 7.337
Baseline summary for HATCREEK-SANPAULA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 1 29	745783179.6	3.8	5.8	22.0	1.1	5.3	55.4	70.2	34.5
89 1 30	745783194.2	18.4	5.6	22.9	1.9	4.8	-70.7	-55.9	34.7
90 1 31	745783160.0	-15.8	5.5	25.6	4.7	5.7	-28.8	-14.0	39.2
90 2 1	745783169.7	-6.1	5.7	15.4	-5.6	4.6	-20.2	-5.4	38.8

Table 7.338
Baseline summary for HATCREEK-SNDPOINT

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 7 26	3229864743.5	.0	552.5	-144.7	.0	85.5	-598.9	.0	2145.4

Table 7.339
Baseline summary for HATCREEK-YAKATAGA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 8 8	2569202492.8	1.8	15.7	95.2	28.7	14.7	-34.5	21.8	62.1
87 8 14	2569202502.4	11.4	10.5	51.9	-14.6	12.3	-46.2	10.1	46.7
87 8 15	2569202477.7	-13.3	11.0	61.0	-5.5	12.5	-81.0	-24.7	49.0

Table 7.340
Baseline summary for HAYSTACK-KASHIM34

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 8 21	9501718956.0	.0	9.1	-25.6	.0	16.7	91.3	.0	27.2

Table 7.341
Baseline summary for HAYSTACK-KASHIMA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 8 31	9501780068.6	33.2	23.4	-38.7	-27.5	37.3	-97.8	-28.9	53.4
84 9 3	9501779992.9	-42.5	26.5	21.6	32.8	40.7	-36.1	32.9	56.9

Table 7.342
Baseline summary for HAYSTACK-KODIAK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 7	5466172818.6	.0	19.7	-18.9	.0	9.9	66.3	.0	47.3

Table 7.343
Baseline summary for HAYSTACK-MARPOINT

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
82 6 19	677293412.2	1.3	4.3	-6.4	-.2	29.9	-79.9	10.2	73.0
82 6 20	677293409.4	-1.5	4.7	-5.9	.2	30.2	-100.7	-10.7	74.7

Table 7.344
Baseline summary for HAYSTACK-MEDICINA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 8 21	6143998958.9	.0	5.7	3.2	.0	8.3	54.2	.0	18.7

Table 7.345
Baseline summary for HAYSTACK-PIETOWN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 30	3263328888.5	6.3	2.4	-11.6	1.1	12.4	23.8	1.1	15.8
89 10 16	3263328888.8	6.7	2.1	-9.4	3.3	6.5	23.4	.7	12.2
89 10 17	3263328881.7	-.4	1.9	-15.4	-2.7	11.4	9.9	-12.8	15.6
89 10 18	3263328880.9	-1.3	1.9	-17.1	-4.3	11.2	29.1	6.4	15.6
89 10 19	3263328880.7	-1.5	1.7	-12.7	.0	5.6	37.1	14.4	11.6
89 10 23	3263328882.7	.5	1.6	7.0	19.7	11.8	10.2	-12.5	14.8
89 10 24	3263328879.1	-3.0	2.0	-50.0	-37.2	15.3	35.5	12.8	18.5
89 10 26	3263328882.1	.0	1.7	-8.7	4.0	5.5	-1.1	-23.8	9.1
89 10 27	3263328881.7	-.5	1.4	-24.2	-11.4	12.2	14.9	-7.8	14.0
89 10 28	3263328873.3	-8.9	1.6	-29.4	-16.7	12.1	9.4	-13.3	14.1
89 10 29	3263328884.4	2.2	1.5	-26.3	-13.6	5.1	32.8	10.1	8.9
89 10 31	3263328881.9	-.2	1.6	-2.5	10.2	5.1	33.8	11.1	9.3
89 11 1	3263328887.7	5.5	1.8	14.0	26.7	12.1	36.4	13.7	14.5

Table 7.346
Baseline summary for HAYSTACK-PLATTVIL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 4 27	2753205373.3	.0	12.2	-15.4	.0	12.5	29.8	.0	54.8

Table 7.347
Baseline summary for HAYSTACK-PRESIDIO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 10 24	4224649410.9	.0	16.9	56.8	.0	21.1	3.1	.0	60.4

Table 7.348
Baseline summary for HAYSTACK-ROBLED32

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 5 6	5299699247.4	.0	29.3	34.2	.0	716.2	-232.2	.0	189.5

Table 7.349
Baseline summary for HAYSTACK-VNDNBERG

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 10 24	4229299758.7	.0	12.8	86.7	.0	21.4	-74.2	.0	52.4

Table 7.350
Baseline summary for HAYSTACK-YAKATAGA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 27	4895243307.3	.0	14.8	32.5	.0	7.2	-25.5	.0	36.5

Table 7.351
Baseline summary for HOBART26-KASHIM34

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 3 23	8071309346.5	8.7	7.3	-13.9	43.6	15.1	42.4	39.4	19.7
90 3 28	8071309331.6	-6.3	11.6	-62.0	-4.4	15.3	-43.9	-46.9	24.0
90 5 24	8071309347.1	9.2	21.2	-102.9	-45.4	17.0	-9.4	-12.4	32.6
90 5 25	8071309380.3	42.4	20.2	-94.5	-37.0	31.8	36.5	33.5	42.3
90 6 23	8071309332.3	-5.6	26.1	-143.0	-85.5	17.6	3.8	.8	38.8
90 7 21	8071309344.7	6.8	30.5	-43.5	14.0	21.5	-5.4	-8.3	47.3
90 9 11	8071309306.0	-31.9	32.0	-46.3	11.3	25.8	41.5	38.5	59.0
90 10 6	8071309307.0	-30.9	15.2	-97.5	-40.0	16.5	-38.7	-41.7	29.5
90 11 18	8071309338.0	.1	18.9	18.2	75.7	16.1	-12.2	-15.2	33.7
90 12 18	8071309275.8	-62.1	28.5	-21.4	36.1	18.4	59.2	56.2	46.6

Table 7.352
Baseline summary for HOBART26-KASHIMA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 9 27	8071140697.5	52.8	30.8	-63.8	-14.9	32.0	8.3	10.6	53.2
89 11 26	8071140647.2	2.5	13.2	-11.4	37.5	31.6	-33.6	-31.3	36.8
89 12 19	8071140648.4	3.7	13.8	-61.1	-12.2	15.4	-2.6	-.2	23.0
89 12 20	8071140659.4	14.7	11.0	-59.3	-10.4	17.1	-.8	1.6	24.6
90 2 13	8071140654.4	9.7	12.3	-56.2	-7.3	16.6	22.2	24.6	27.3
90 3 23	8071140633.8	-10.9	8.1	-12.1	36.8	15.2	51.7	54.1	20.2
90 3 28	8071140635.1	-9.6	12.1	-60.7	-11.8	15.3	-50.1	-47.7	24.4
90 4 14	8071140609.0	-35.7	18.0	-56.9	-8.0	23.0	-106.9	-104.5	37.6
90 6 29	8071140651.9	7.2	10.5	-51.6	-2.7	31.3	4.9	7.3	34.7

Table 7.353
Baseline summary for HOBART26-KAUAI

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 9 27	8268576681.7	38.4	31.9	-139.3	13.5	33.5	55.9	71.9	52.1
89 11 26	8268576643.7	.4	12.8	-119.0	33.8	32.5	-85.8	-69.8	38.6
89 12 19	8268576679.5	36.2	13.9	-165.4	-12.7	15.5	-23.1	-7.2	25.1
90 3 23	8268576637.5	-5.8	7.8	-87.2	65.5	16.5	-14.3	1.7	20.8
90 5 24	8268576605.5	-37.8	20.9	-215.2	-62.5	17.9	-14.9	1.1	33.4
90 5 25	8268576670.3	27.0	22.6	-227.4	-74.7	33.0	-18.1	-2.1	43.5
90 6 29	8268576639.5	-3.8	10.4	-146.2	6.5	32.3	2.4	18.3	36.2
90 9 11	8268576596.7	-46.6	27.0	-123.0	29.7	34.5	25.5	41.5	54.0

Table 7.354
Baseline summary for HOBART26-MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 12 20	10845184304.0	12.7	17.3	35.5	30.5	23.4	34.7	53.6	30.9
90 2 13	10845184308.6	17.2	19.2	10.0	5.0	23.7	34.4	53.4	27.8
90 3 28	10845184270.8	-20.5	17.3	-24.5	-29.4	22.7	-14.5	4.5	26.3
90 4 14	10845184262.7	-28.7	29.4	-29.1	-34.1	32.1	-131.1	-112.2	35.9
90 5 7	10845184294.4	3.0	35.9	25.2	20.2	24.5	29.0	47.9	37.2
90 6 23	10845184357.0	65.7	27.6	-76.8	-81.8	23.7	4.7	23.7	32.3
90 7 21	10845184286.7	-4.6	36.4	12.8	7.8	24.5	-18.1	.9	36.6
90 9 9	10845184293.9	2.5	33.2	-3.0	-8.0	23.8	7.4	26.4	37.1
90 10 6	10845184235.1	-56.3	23.2	9.3	4.3	24.5	4.3	23.2	29.0
90 11 18	10845184264.9	-26.5	28.2	73.8	68.8	24.2	-139.5	-120.5	31.3
90 12 18	10845184368.9	77.5	35.1	14.5	9.5	26.2	-52.0	-33.0	35.2

Table 7.355
Baseline summary for HOBART26-NOBEY 6M

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 3 28	8086554618.8	-36.0	19.6	-25.4	-29.3	15.8	-31.0	31.0	30.0
90 7 21	8086554646.4	-8.3	52.6	-23.3	-27.2	24.1	-26.0	36.0	71.7
90 11 18	8086554710.6	55.8	24.1	50.1	46.2	16.8	-121.4	-59.4	37.8

Table 7.356
Baseline summary for HOBART26-ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 24	12256219596.1	-31.5	31.3	-37.9	-9.6	27.7	-35.3	-5.3	27.9
90 5 25	12256219659.6	31.9	31.5	2.1	30.4	49.3	-13.4	16.6	49.6

Table 7.357
Baseline summary for HOBART26-SESHAN25

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 12 19	7965496548.4	3.7	16.8	-16.7	-21.8	15.2	5.1	-16.4	25.2
90 3 23	7965496541.4	-3.2	7.5	27.9	22.8	14.8	47.7	26.3	19.0
90 6 29	7965496551.0	6.4	11.8	-6.1	-11.1	31.0	-22.7	-44.1	35.1
90 9 11	7965496543.6	-1.0	24.4	5.9	.8	25.3	-7.3	-28.8	51.2

Table 7.358
Baseline summary for HOBART26-SEST

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 24	9773309634.1	-37.9	38.0	-20.9	14.9	22.9	-49.8	-17.8	39.4
90 5 25	9773309715.0	42.9	40.4	-80.6	-44.9	39.8	-.1	31.9	52.9

Table 7.359
Baseline summary for HOBART26-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 24	12346564969.0	-22.5	31.4	-6.2	8.2	27.4	-25.4	7.4	29.3
90 5 25	12346565014.4	22.9	31.8	-40.7	-26.4	49.3	-54.9	-22.1	50.6

Table 7.360
Baseline summary for HOHENFRG-MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 6 22	8257097579.0	-3.9	21.4	-21.1	-4.6	11.7	-3.3	-3.6	38.4
89 6 27	8257097586.8	3.9	21.2	-11.8	4.6	11.6	3.2	2.9	34.4

Table 7.361
Baseline summary for HOHENFRG-NOTO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 6 22	1825225881.9	-2.7	5.5	11.4	1.8	5.4	-47.2	-6.1	25.7
89 6 24	1825225882.5	-2.0	5.7	11.0	1.5	8.2	-22.3	18.9	25.6
89 6 25	1825225890.5	6.0	4.8	15.7	6.2	8.0	-69.1	-28.0	24.4
89 6 26	1825225885.3	.7	4.6	13.3	3.8	4.3	-42.8	-1.6	18.7
89 6 27	1825225880.3	-4.3	5.6	.5	-9.0	4.8	-17.8	23.4	27.0

Table 7.362
Baseline summary for HOHENFRG-RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 6 22	7347945832.4	-2.6	18.2	-20.6	.2	11.6	-60.6	5.7	36.2
89 6 27	7347945837.8	2.8	19.0	-21.0	-.2	10.9	-71.4	-5.1	34.1

Table 7.363
Baseline summary for HOHENFRG-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 6 22	5694164268.9	-9.1	13.8	-20.7	-5.3	9.0	-22.4	6.6	32.9
89 6 27	5694164286.6	8.7	13.5	-11.3	4.1	7.9	-34.7	-5.7	30.5

Table 7.364
Baseline summary for HOHENFRG-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 6 22	465777114.5	.1	3.9	4.7	-.9	3.9	-7.3	-10.1	24.3
89 6 24	465777111.7	-2.7	3.2	3.9	-1.7	3.4	21.7	18.9	17.6
89 6 25	465777113.6	-.8	2.8	8.0	2.4	3.2	-19.7	-22.5	15.0
89 6 26	465777115.1	.7	2.6	9.6	4.0	2.2	19.8	17.0	14.7
89 6 27	465777118.1	3.8	3.8	-4.8	-10.4	3.5	-11.0	-13.8	24.7

Table 7.365
Baseline summary for HRAS 085-JPL MV1

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
82 10 17	1391413529.8	-113.3	14.4	-68.1	-61.1	82.6	179.4	163.3	226.6
83 6 30	1391413611.4	-31.6	6.8	.3	7.3	38.1	-137.2	-153.2	105.3
87 10 19	1391413727.9	84.9	8.3	-6.7	.3	8.9	41.4	25.3	48.8

Table 7.366

Baseline summary for HRAS 085-KODIAK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 7	4645400657.2	.0	18.1	-29.0	.0	10.4	23.1	.0	52.1

Table 7.367

Baseline summary for HRAS 085-LEONRDOX

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 8 25	957117025.1	.0	4.9	-5.1	.0	5.8	6.2	.0	32.1

Table 7.368

Baseline summary for HRAS 085-MAMMOTHL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 6 30	1580143780.7	.0	10.2	25.9	.0	41.4	-231.9	.0	134.5

Table 7.369

Baseline summary for HRAS 085-MARPOINT

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
82 10 19	2570813394.9	18.6	9.1	39.1	45.3	25.8	27.0	25.5	98.6
83 8 30	2570813392.2	15.9	35.7	12.4	18.6	39.9	81.7	80.2	177.4
89 5 31	2570813371.1	-5.2	4.7	-14.8	-8.6	10.4	-1.1	-2.6	22.4

Table 7.370

Baseline summary for HRAS 085-MCD 7850

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 10 7	8125162.6	.0	2.5	.9	.0	2.2	14.9	.0	12.6

Table 7.371

Baseline summary for HRAS 085-MEDICINA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 4 4	8604525605.2	42.0	262.5	3.6	12.1	22.5	-87.1	-85.6	296.2
87 5 4	8604525476.2	-87.1	32.3	15.8	24.3	10.7	-27.3	-25.8	46.3
87 12 10	8604525530.2	-33.0	21.7	-.8	7.7	8.2	8.1	9.5	40.1
88 5 8	8604525653.8	90.5	34.4	-4.3	4.2	9.6	-46.6	-45.1	51.0
88 5 13	8604525565.1	1.8	25.5	-15.5	-7.0	9.1	-20.6	-19.2	40.3
88 5 18	8604525509.8	-53.4	49.9	-18.1	-9.6	22.3	28.3	29.8	84.4
88 8 6	8604525559.6	-3.6	13.2	-14.0	-5.5	9.1	-2.7	-1.2	27.9
88 8 21	8604525572.2	9.0	12.4	-3.7	4.8	9.0	12.6	14.1	26.5
88 10 30	8604525580.6	17.4	20.2	-15.0	-6.5	13.0	11.7	13.1	43.3
88 11 29	8604525556.0	-7.2	12.5	-18.0	-9.5	7.9	14.4	15.8	24.6
89 2 3	8604525558.8	-4.4	29.6	3.8	12.3	19.7	8.8	10.2	46.6
89 2 18	8604525605.4	42.2	25.2	-53.3	-44.8	18.6	-34.4	-32.9	36.7

Table 7.372

Baseline summary for HRAS 085-MILESMON

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 4 16	1751993827.9	.0	8.5	-5.7	.0	7.9	4.6	.0	44.4

Table 7.373
Baseline summary for HRAS 085-NRAO85 3

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
89 5 31	2353779387.4	.0	4.8	-16.6	.0	9.7	-21.8	.0	23.5

Table 7.374
Baseline summary for HRAS 085-PENTICTN

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
84 8 25	2443354518.1	-7.2	15.8	11.6	-5.9	10.8	141.4	78.5	80.0
85 8 29	2443354544.5	19.2	22.3	1.1	-16.5	45.8	-201.1	-264.0	156.2
85 9 5	2443354523.8	-1.4	12.1	20.7	3.1	7.2	58.6	-4.4	55.0

Table 7.375
Baseline summary for HRAS 085-PIETOWN

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
88 9 9	564620892.9	.2	2.6	2.0	3.1	2.4	22.8	-11.9	13.0
88 10 7	564620892.3	-.4	2.2	-3.9	-2.8	2.6	37.6	2.9	8.0
88 10 9	564620893.1	.4	2.5	-1.7	-.6	2.3	37.1	2.4	9.5

Table 7.376
Baseline summary for HRAS 085-PINFLATS

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
85 11 3	1223294523.3	-27.2	11.1	-43.9	-22.8	16.8	57.1	73.0	60.2
86 2 27	1223294539.0	-11.4	9.9	-13.8	7.4	11.6	-48.0	-32.1	77.9
86 4 11	1223294544.2	-6.2	8.1	-27.4	-6.3	9.9	46.6	62.4	58.5
86 11 2	1223294553.5	3.1	4.5	-18.2	3.0	7.6	-6.5	9.3	34.8
86 12 14	1223294558.8	8.4	5.5	-19.5	1.6	6.4	-64.5	-48.6	34.5

Table 7.377
Baseline summary for HRAS 085-PRESIDIO

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
85 3 14	1870585798.7	-30.1	19.0	-28.0	-10.9	12.1	-50.0	-7.4	96.2
85 10 20	1870585821.8	-7.0	6.7	-17.2	-.1	7.5	-17.6	25.1	38.8
85 10 24	1870585826.3	-2.5	8.6	-28.1	-11.0	9.2	-120.4	-77.7	50.4
87 2 7	1870585850.0	21.2	8.8	-3.1	14.0	8.2	-16.0	26.7	42.5

Table 7.378
Baseline summary for HRAS 085-PT REYES

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
85 3 14	1921015690.3	-8.6	14.5	-36.7	-.3	10.6	-164.0	-80.4	76.0
85 10 20	1921015701.9	3.0	8.6	-36.2	.2	8.2	-53.6	30.0	46.4

Table 7.379
Baseline summary for HRAS 085-ROBLED32

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
83 5 6	7975530237.9	.0	44.8	86.8	.0	711.3	-347.6	.0	241.1

Table 7.380
Baseline summary for NRAS 085-YELLOWKN

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
84 8 25	3572069878.6	2.6	16.7	-21.4	-18.9	13.3	197.8	53.1	56.8
85 9 5	3572069873.6	-2.4	16.1	4.8	7.3	8.3	103.5	-41.1	49.9

Table 7.381
Baseline summary for JPL MV1 -MAMMOTHL

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
83 6 30	387649690.9	16.3	9.2	-56.7	-26.9	13.3	-104.2	-26.3	61.3
84 4 10	387649726.6	52.0	17.4	-15.8	14.0	13.4	-55.4	22.5	123.9
84 10 23	387649676.4	1.8	16.7	-38.4	-8.6	10.7	-349.4	-271.5	114.5
86 10 23	387649658.9	-15.7	6.5	-27.0	2.9	4.4	-29.0	48.8	43.1

Table 7.382
Baseline summary for JPL MV1 -MON PEAK

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
82 10 17	218307727.5	.0	8.0	11.8	.0	16.7	-191.8	.0	92.9

Table 7.383
Baseline summary for JPL MV1 -PRESIDIO

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
88 11 5	555228195.4	-3.8	6.1	1.2	-7.0	6.1	-56.6	-58.4	39.1
88 11 6	555228204.0	4.8	6.9	15.8	7.7	6.4	79.2	77.3	45.0

Table 7.384
Baseline summary for JPL MV1 -QUINCY

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
82 10 22	685704824.7	.0	80.8	-56.7	.0	45.1	-328.4	.0	420.9

Table 7.385
Baseline summary for KASHIM34-KASHIMA

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 3 23	311197.6	2.0	2.7	1.2	2.4	2.8	14.9	10.9	10.7
90 3 28	311195.4	-.2	3.3	-.4	.8	3.6	-7.4	-11.4	16.3
90 4 20	311198.2	2.7	3.5	-1.6	-.4	4.4	12.8	8.8	14.1
90 6 26	311196.6	1.1	4.7	-4.6	-3.4	5.2	-1.0	-5.0	20.8
90 7 1	311193.9	-1.6	1.8	-2.1	-.9	2.1	-11.0	-15.0	13.4

Table 7.386
Baseline summary for KASHIM34-KAUAI

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 3 23	5709565756.6	18.0	4.9	15.5	14.0	11.9	-91.3	12.6	13.6
90 4 20	5709565749.0	10.5	6.0	12.3	10.8	22.8	-44.2	59.7	24.8
90 5 24	5709565727.3	-11.3	10.4	-13.5	-15.0	13.4	-134.4	-30.5	23.3
90 5 25	5709565730.5	-8.1	10.3	-6.8	-8.3	23.3	-187.2	-83.4	30.6
90 9 11	5709565715.1	-23.4	23.6	-17.6	-19.1	18.9	-92.9	11.0	46.6
90 10 11	5709565710.3	-28.3	5.8	7.7	6.2	13.8	-114.1	-10.2	20.2

Table 7.387
Baseline summary for KASHIM34-MARCUS

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 6 26	1812578166.3	.0	5.5	38.6	.0	6.0	-59.7	.0	20.6

Table 7.388
Baseline summary for KASHIM34-MEDICINA

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 8 21	8811182242.6	.0	8.6	-18.6	.0	21.0	-69.1	.0	21.7

Table 7.389
Baseline summary for KASHIM34-MOJAVE12

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 3 28	8091883097.7	-10.4	10.4	-.6	-27.1	16.5	-52.7	4.2	21.3
90 6 23	8091883133.9	25.8	20.8	-8.2	-34.7	18.3	-183.2	-126.3	33.0
90 7 21	8091883096.6	-11.5	26.4	26.9	.4	19.4	-36.6	20.3	37.1
90 8 12	8091883118.9	10.8	13.8	33.3	6.8	18.4	33.9	90.8	29.9
90 10 6	8091883113.5	5.4	11.2	17.4	-9.1	17.1	-41.7	15.2	23.1
90 11 18	8091883104.3	-3.8	15.7	115.8	89.3	17.7	-26.9	30.0	26.6
90 12 18	8091883087.8	-20.3	25.4	-7.9	-34.4	21.7	-164.7	-107.8	36.8

Table 7.390
Baseline summary for KASHIM34-MOBEY 6M

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 3 28	197421502.4	-1.8	4.7	1.5	5.8	5.2	19.1	57.6	26.3
90 7 21	197421518.0	13.8	13.3	-10.0	-5.7	14.2	-16.2	22.2	72.4
90 8 12	197421486.8	-17.4	11.8	-6.1	-1.8	10.1	41.3	79.7	66.3
90 11 18	197421508.8	4.6	6.0	-10.0	-5.7	5.9	-131.7	-93.3	29.7

Table 7.391
Baseline summary for KASHIM34-ONSALA60

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 5 24	7969420825.8	-11.7	12.8	67.3	38.5	18.2	-51.8	16.2	23.6
90 5 25	7969420815.4	-22.1	12.4	95.5	66.7	32.2	-74.4	-6.4	35.4
90 8 21	7969420851.4	13.9	8.1	-34.0	-62.8	18.6	-79.5	-11.6	21.9

Table 7.392
Baseline summary for KASHIM34-SESHAN25

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 3 23	1875725752.0	-.4	2.7	-25.9	6.0	4.4	22.8	6.5	9.5
90 6 26	1875725756.5	4.1	5.6	-43.8	-11.9	6.0	.9	-15.4	20.2
90 9 11	1875725742.9	-9.5	11.9	-29.2	2.7	9.6	-37.1	-53.5	39.6

Table 7.393
Baseline summary for KASHIM34-SEST

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 5 24	12389079080.2	-.5	40.6	-25.7	10.0	28.5	-140.3	11.7	26.5
90 5 25	12389079081.4	.6	44.6	-66.0	-30.3	49.6	-192.5	-40.5	49.2

Table 7.394

Baseline summary for KASHIM34-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 24	9502255588.4	17.0	14.3	90.6	-6.2	19.7	-98.4	9.3	25.3
90 5 25	9502255556.1	-15.2	13.5	119.1	22.3	37.4	-131.2	-23.5	40.3

Table 7.395

Baseline summary for KASHIMA -MARCUS

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 6 26	1812270522.0	.0	5.9	43.3	.0	6.4	-58.3	.0	22.0

Table 7.396

Baseline summary for KASHIMA -MEDICINA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 9	8811399473.5	.0	19.5	10.9	.0	19.8	-153.0	.0	29.2

Table 7.397

Baseline summary for KASHIMA -MIYAZAKI

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
86 10 21	948551363.3	9.1	12.6	6.3	8.4	22.6	-10.9	-11.9	74.3
88 10 7	948551347.3	-6.9	13.9	2.7	4.7	20.0	4.8	3.8	70.3
88 10 13	948551349.9	-4.3	14.1	-7.8	-5.8	14.3	6.0	5.0	60.2

Table 7.398

Baseline summary for KASHIMA -NOBEY 6M

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 11 20	197660883.7	-8.3	11.4	3.7	4.8	11.5	45.1	21.9	58.4
90 1 24	197660885.0	-6.9	7.5	-8.2	-7.0	7.3	6.3	-16.9	39.5
90 3 28	197660896.7	4.7	5.0	2.1	3.2	5.8	26.6	3.4	27.8

Table 7.399

Baseline summary for KASHIMA -SHANGHAI

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
86 6 14	1852075225.6	.0	35.4	-14.3	.0	26.1	-76.2	.0	189.8

Table 7.400

Baseline summary for KASHIMA -TITIJIMA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 19	991640389.1	38.6	26.5	6.5	4.7	33.5	-31.6	.1	104.6
87 11 26	991640350.8	.3	17.5	.3	-1.6	16.8	24.2	55.8	81.8
89 11 29	991640315.4	-35.2	25.1	4.5	2.7	42.6	-180.4	-148.7	133.5

Table 7.401

Baseline summary for KASHIMA -WHTHORSE

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 11	6047388118.4	.0	23.8	4.9	.0	15.8	171.4	.0	47.6

Table 7.402
Baseline summary for KAUAI -MARPOINT

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 6 6	7391325597.5	-38.3	26.6	34.8	-27.6	45.5	186.8	183.1	63.6
88 7 17	7391325587.6	-48.2	24.9	-284.3	-346.7	318.5	-155.0	-158.7	297.3
88 9 11	7391325631.7	-4.1	33.5	41.6	-20.8	23.0	90.0	86.3	86.7
89 1 15	7391325620.8	-15.0	62.2	88.4	25.9	57.9	142.2	138.5	106.2
89 2 20	7391325734.9	99.1	45.2	32.3	-30.1	59.4	115.5	111.8	106.5
89 6 5	7391325664.2	28.4	17.7	115.9	53.5	30.7	-147.9	-151.6	44.4

Table 7.403
Baseline summary for KAUAI -MATERA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 10 5	10894161043.1	66.6	47.4	115.3	-5.9	17.8	-20.6	-63.2	47.9
90 11 9	10894160959.6	-17.0	32.9	120.4	-.8	17.2	86.3	43.7	38.9
90 12 4	10894160939.1	-37.4	51.8	129.9	8.7	20.3	37.9	-4.7	60.0

Table 7.404
Baseline summary for KAUAI -MOTO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 10	11099796263.6	.5	20.3	118.3	3.0	43.2	15.2	25.2	46.2
89 9 11	11099796262.4	-.7	25.0	114.5	-.8	21.8	-25.9	-15.8	36.6

Table 7.405
Baseline summary for KAUAI -NRAO85 3

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 2 20	7208031582.3	81.6	100.8	58.6	-87.3	62.1	113.8	222.4	171.6
89 4 21	7208031481.7	-19.0	21.0	-477.3	-623.2	209.8	-600.5	-491.9	224.5
89 6 5	7208031498.6	-2.1	16.3	119.3	-26.6	29.9	-126.5	-18.0	42.8
89 7 10	7208031465.8	-34.9	10.9	131.9	-14.0	28.1	-91.5	17.1	35.3
89 8 5	7208031471.9	-28.8	13.3	110.2	-35.8	15.0	-82.6	26.0	28.1
89 9 11	7208031487.8	-12.9	15.2	75.7	-70.2	17.1	-158.3	-49.8	33.3
89 9 18	7208031474.3	-26.4	12.0	61.9	-84.1	27.9	-63.5	45.0	40.5
89 10 12	7208031491.0	-9.7	14.0	86.8	-59.1	28.9	-71.4	37.2	41.7
89 10 17	7208031443.3	-57.4	26.4	131.2	-14.7	33.1	107.5	216.0	112.6
89 10 24	7208031501.0	.3	10.2	129.8	-16.1	13.5	-37.8	70.7	28.1
89 10 31	7208031506.3	5.6	11.3	145.2	-.8	14.6	-83.3	25.3	35.7
89 11 22	7208031481.4	-19.3	14.1	103.1	-42.8	29.1	-66.4	42.2	39.5
89 11 27	7208031505.4	4.7	14.4	61.9	-84.0	32.4	-184.3	-75.8	39.4
89 12 5	7208031487.0	-13.7	13.2	43.6	-102.3	21.2	-115.4	-6.9	35.8
89 12 14	7208031507.3	6.6	34.7	120.4	-25.5	22.2	-50.1	58.4	64.8
89 12 18	7208031511.3	10.6	9.3	125.6	-20.4	14.1	-74.9	33.6	27.2
89 12 28	7208031480.1	-20.6	22.7	144.3	-1.6	16.7	-109.2	-.7	40.8
90 1 4	7208031505.1	4.4	23.0	103.1	-42.8	17.7	-58.7	49.9	45.1
90 1 11	7208031502.1	1.4	12.4	179.5	33.6	30.2	-127.6	-19.0	41.3
90 1 18	7208031463.0	-37.7	13.2	129.8	-16.1	12.1	-90.7	17.8	31.2
90 1 25	7208031487.0	-13.7	15.8	179.0	33.1	30.1	-75.7	32.9	54.8
90 2 1	7208031500.0	-.7	14.8	107.0	-38.9	16.5	-40.4	68.1	38.2
90 2 7	7208031543.4	42.7	15.9	145.9	.0	13.0	-18.1	90.5	29.8
90 2 15	7208031472.6	-28.1	8.0	142.3	-3.6	28.2	-59.4	49.1	32.0
90 2 21	7208031477.4	-23.3	12.4	155.2	9.3	14.9	-196.3	-87.8	24.8
90 3 1	7208031502.8	2.1	8.4	107.9	-38.0	27.7	-116.2	-7.7	32.9
90 3 8	7208031460.9	-39.8	12.4	138.0	-8.0	14.7	-144.4	-35.9	24.3
90 3 22	7208031492.9	-7.8	10.8	165.9	20.0	28.1	-114.7	-6.1	33.2
90 3 29	7208031485.5	-15.2	8.6	143.8	-2.1	11.3	-81.9	26.6	22.2
90 4 5	7208031441.9	-58.8	9.9	137.9	-8.0	28.0	-168.0	-59.5	32.6
90 4 12	7208031497.4	-3.3	8.0	112.5	-33.4	14.0	-130.0	-21.5	21.0
90 4 17	7208031492.1	-8.6	10.7	169.2	23.3	14.5	-102.9	5.7	23.8
90 4 19	7208031507.7	7.0	13.0	159.4	13.5	14.6	-71.6	36.9	25.5
90 4 26	7208031488.4	-12.3	7.9	169.0	23.1	27.9	-107.0	1.5	32.0

90 5 2	7208031510.4	9.7	13.1	158.1	12.2	14.6	-106.7	1.9	26.7
90 5 16	7208031528.8	28.1	10.5	119.6	-26.3	28.6	-127.4	-18.9	34.1
90 5 23	7208031519.2	18.6	9.1	135.8	-10.1	10.6	-124.8	-16.3	21.0
90 5 31	7208031500.2	-.5	13.3	98.6	-47.3	29.4	-134.7	-26.2	39.1
90 6 5	7208031490.8	-9.9	12.4	128.1	-17.9	28.7	-150.5	-42.0	35.9
90 6 13	7208031532.8	32.1	14.8	126.6	-19.3	15.2	-101.1	7.4	28.3
90 6 27	7208031507.9	7.2	13.6	164.9	19.0	11.7	-32.9	75.6	24.9
90 7 6	7208031514.1	13.4	16.7	130.9	-15.0	15.9	-96.2	12.3	29.4
90 7 10	7208031560.1	59.4	19.7	222.8	76.8	33.3	-108.3	.2	66.6
90 7 18	7208031549.4	48.7	14.7	160.1	14.2	17.0	-184.2	-75.7	32.6
90 7 25	7208031523.1	22.4	13.1	160.4	14.4	30.8	-23.7	84.9	52.9
90 8 1	7208031499.7	-1.0	13.1	171.3	25.3	14.2	-39.3	69.3	30.6
90 8 8	7208031499.5	-1.2	12.9	130.9	-15.0	27.8	-58.1	50.5	37.2
90 8 15	7208031501.3	.6	12.6	145.8	-.1	15.8	-139.7	-31.2	29.6
90 8 23	7208031521.2	20.5	13.3	113.3	-32.6	27.5	-15.9	92.6	39.4
90 8 29	7208031516.6	15.9	13.1	168.0	22.1	28.3	-110.1	-1.6	39.7
90 9 12	7208031521.1	20.4	10.3	146.9	1.0	28.0	-145.1	-36.6	37.0
90 9 21	7208031508.9	8.2	17.3	170.2	24.3	15.5	-173.2	-64.7	39.3
90 9 26	7208031497.7	-3.0	16.9	183.8	37.8	15.0	-131.5	-23.0	34.4
90 10 3	7208031484.5	-16.2	16.1	173.8	27.9	28.9	-205.5	-96.9	42.0
90 10 5	7208031500.5	-.2	32.4	154.9	9.0	18.6	-132.8	-24.3	54.4
90 10 12	7208031491.6	-9.1	8.6	166.7	20.8	28.5	-150.9	-42.4	35.7
90 10 17	7208031509.5	8.8	11.8	164.6	18.7	28.5	-79.9	28.7	36.3
90 10 23	7208031541.8	41.1	8.5	193.1	47.2	28.3	-57.5	51.1	33.7
90 11 1	7208031524.9	24.2	10.9	195.5	49.6	28.8	-133.2	-24.7	36.6
90 11 7	7208031524.9	24.2	7.9	161.9	16.0	28.3	-119.7	-11.2	33.1
90 11 9	7208031555.0	54.3	19.1	174.5	28.6	15.8	-109.5	-1.0	39.4
90 11 15	7208031488.1	-12.6	21.8	207.0	61.1	21.8	-150.7	-42.2	44.3
90 11 21	7208031539.5	38.8	10.9	230.5	84.5	29.9	-216.0	-107.5	41.3
90 12 6	7208031480.2	-20.5	33.8	234.0	88.1	33.4	-84.5	24.1	66.9
90 12 12	7208031487.2	-13.5	12.1	253.2	107.3	28.8	-193.3	-84.8	36.9
90 12 19	7208031499.9	-.8	10.6	195.3	49.4	10.4	-155.6	-47.1	23.1
90 12 28	7208031456.9	-43.8	33.4	189.7	43.8	42.4	-63.4	45.1	144.9

Table 7.406
Baseline summary for KAUAI -ONSALA60

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 5 24	9792569614.7	-10.1	16.2	192.1	-5.1	20.0	24.0	.5	25.7
90 5 25	9792569636.1	11.3	17.2	216.0	18.9	38.7	22.3	-1.2	42.1

Table 7.407
Baseline summary for KAUAI -SEST

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 5 24	9740852582.6	-13.0	32.7	-13.2	12.8	23.9	-245.2	9.8	33.2
90 5 25	9740852612.1	16.6	37.0	-61.7	-35.7	39.9	-275.7	-20.7	48.4

Table 7.408
Baseline summary for KAUAI -SHANGHAI

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
86 6 14	7290813144.9	.0	69.1	23.9	.0	35.1	71.9	.0	183.1

Table 7.409
Baseline summary for KAUAI -WESTFORD

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 5 24	7676223212.1	-4.8	12.1	199.8	7.8	15.5	-121.0	-3.4	24.8
90 5 25	7676223209.7	-7.2	12.9	201.1	9.1	30.2	-119.8	-2.3	36.2
90 9 12	7676223217.5	.6	10.2	155.1	-37.0	29.7	-76.8	40.8	38.6
90 9 21	7676223237.9	21.0	14.6	191.1	-.9	16.1	-162.9	-45.4	37.2
90 9 26	7676223207.8	-9.1	18.1	192.8	.8	15.7	-101.6	16.0	35.4

Table 7.410
Baseline summary for KAUAI -WHTHORSE

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 11	4587139202.3	.0	18.0	98.0	.0	11.4	195.2	.0	49.7

Table 7.411
Baseline summary for KODIAK -NOME

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 7 24	1024053314.3	35.0	16.9	-11.9	-5.8	17.2	66.6	80.2	136.7
85 7 19	1024053287.9	8.6	14.9	-1.1	5.0	8.5	-75.8	-62.1	86.7
86 7 23	1024053264.9	-14.4	11.5	-14.6	-8.5	10.8	33.1	46.8	78.0
86 7 25	1024053273.0	-6.4	10.9	-4.4	1.8	9.0	-30.2	-16.5	66.6

Table 7.412
Baseline summary for KODIAK -VNDNBERG

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 7 24	3459022229.3	114.7	42.0	10.6	-14.4	42.6	62.5	68.8	158.1
85 7 19	3459022156.4	41.7	31.4	8.3	-16.7	50.4	-187.8	-181.5	169.8
86 7 23	3459022116.1	1.4	14.4	24.6	-.4	13.6	31.3	37.6	61.5
86 7 25	3459022091.9	-22.7	14.1	28.5	3.6	14.6	-23.9	-17.6	52.4

Table 7.413
Baseline summary for KODIAK -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 7 4	5466634651.0	-25.7	14.8	-21.0	-9.5	19.7	35.8	42.6	42.5
88 7 5	5466634669.6	-7.1	18.0	27.8	39.3	20.9	-83.2	-76.3	50.2
88 7 6	5466634670.6	-6.1	14.7	6.6	18.1	10.8	40.4	47.2	38.2
89 7 6	5466634701.5	24.8	18.8	-24.1	-12.6	10.4	-2.5	4.4	42.5
89 7 8	5466634672.8	-3.9	17.8	-2.4	9.1	11.5	-21.4	-14.5	45.2
90 6 30	5466634691.0	14.3	17.2	-24.0	-12.5	21.6	-37.4	-30.6	41.1
90 7 1	5466634685.5	8.8	15.8	-22.3	-10.8	10.8	-22.4	-15.6	34.2
90 7 3	5466634686.3	9.6	19.2	-18.8	-7.3	11.9	11.8	18.6	42.2

Table 7.414
Baseline summary for KWAJAL26-SESHAN25

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 7 17	5191948421.6	13.6	12.7	-12.5	-27.9	31.7	39.3	31.7	34.2
88 7 31	5191948382.5	-25.5	17.0	23.8	8.5	20.6	-21.3	-28.9	39.2
88 8 1	5191948409.8	1.8	21.3	18.2	2.9	19.4	-10.8	-18.4	46.9

Table 7.415
Baseline summary for LEONRDOK-RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 8 25	1854619801.0	.0	6.4	-12.2	.0	8.2	19.5	.0	33.8

Table 7.416
Baseline summary for LEONRDOK-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 8 25	2205062327.4	.0	6.5	-11.4	.0	9.0	-8.8	.0	29.9

Table 7.417
Baseline summary for MAMMOTHL-MOJAVE12

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
83 6 30	315785208.5	-8.3	8.6	23.8	15.5	11.0	70.6	36.1	55.5
84 4 10	315785199.9	-16.9	12.9	38.7	30.5	10.8	126.0	91.6	83.1
84 10 23	315785203.6	-13.2	11.7	24.6	16.4	7.6	166.7	132.3	73.9
86 10 23	315785222.0	5.2	4.1	.7	-7.5	3.4	-6.1	-40.5	28.7

Table 7.418
Baseline summary for MAMMOTHL-OVRO 130

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
83 6 30	74255494.0	1.2	7.8	2.4	-1.4	6.7	71.4	-16.6	46.4
84 4 10	74255479.3	-13.6	8.0	17.2	13.3	8.1	65.0	-23.0	75.3
84 10 23	74255480.0	-12.8	9.8	9.7	5.8	9.1	209.8	121.7	83.5
86 10 23	74255497.0	4.1	3.6	.1	-3.8	3.9	79.7	-8.3	38.1

Table 7.419
Baseline summary for MAMMOTHL-VNDNBERG

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
84 10 23	373995475.3	30.1	12.8	-98.3	-50.4	10.6	233.6	207.1	82.7
86 10 23	373995441.4	-3.8	4.6	-40.7	7.2	4.0	-2.6	-29.1	31.0

Table 7.420
Baseline summary for MARCUS -SESHAN25

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 6 26	3270841169.2	.0	7.7	-57.2	.0	8.9	68.4	.0	22.9

Table 7.421
Baseline summary for MARPOINT-MEDICINA

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
88 12 22	6721974438.4	.0	22.2	-11.8	.0	26.3	-1.8	.0	47.7

Table 7.422
Baseline summary for MARPOINT-NOTO

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
89 7 19	7291183516.5	.0	15.7	36.6	.0	27.6	-61.4	.0	40.6

Table 7.423
Baseline summary for MARPOINT-NRAO85 3

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
89 2 20	228306390.7	-1.6	27.5	-28.4	-30.8	24.5	-12.6	14.8	175.8
89 4 4	228306399.3	7.1	6.2	-.3	-2.8	12.3	.6	28.0	54.0
89 5 31	228306389.8	-2.5	2.5	3.5	1.0	3.5	-22.4	5.0	17.5
89 6 1	228306374.7	-17.5	4.2	17.4	14.9	5.8	40.6	68.0	25.5
89 6 5	228306386.7	-5.6	6.7	-6.3	-8.8	6.5	17.8	45.2	25.5
89 6 28	228306401.7	9.5	3.0	10.3	7.8	4.9	-64.3	-36.9	19.9
89 7 19	228306382.7	-9.5	3.7	-9.1	-11.6	5.8	-76.8	-49.4	21.6
89 7 24	228306409.8	17.6	5.2	2.4	-.1	6.8	-96.1	-68.7	30.2
89 8 8	228306390.4	-1.8	3.1	10.6	8.1	4.7	-28.3	-.9	19.6
89 8 18	228306396.4	4.2	3.9	4.2	1.8	5.7	-55.4	-28.0	20.9
89 8 25	228306398.8	6.6	5.2	-32.8	-35.3	7.3	80.3	107.7	27.7

Table 7.424
Baseline summary for MARPOINT-ONSALA60

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
82 6 19	6198441068.9	-2.3	12.3	-73.9	-63.8	731.5	538.1	332.8	724.9
82 6 20	6198441071.2	.0	14.9	-24.6	-14.5	736.4	566.4	361.1	730.4
82 10 19	6198441079.2	8.0	21.3	73.9	84.0	564.4	-59.6	-264.9	570.3
83 8 30	6198441052.0	-19.3	89.8	-40.0	-30.0	505.1	39.7	-165.6	578.0

Table 7.425
Baseline summary for MARPOINT-OVRO 130

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
82 6 19	3540824489.9	.0	8.9	-185.2	-110.6	74.8	-168.0	-76.5	385.9
82 6 20	3540824495.1	5.2	17.1	-110.4	-35.8	79.2	-130.1	-38.6	394.7
82 10 19	3540824487.4	-2.5	12.0	13.1	87.8	58.7	-21.9	69.7	302.5

Table 7.426
Baseline summary for MATERA -MEDICINA

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 9 6	597262313.6	7.8	2.1	-8.7	-2.1	2.4	40.9	41.7	9.5
90 12 21	597262300.7	-5.0	1.7	-3.3	3.2	2.9	-30.2	-29.4	8.0

Table 7.427
Baseline summary for MATERA -NOTO

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 9 6	444532987.7	3.9	2.2	28.4	.6	2.2	25.8	65.1	10.1
90 12 21	444532981.3	-2.5	1.7	27.1	-.7	2.4	-80.9	-41.5	8.0

Table 7.428
Baseline summary for MATERA -NRAO85 3

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 10 5	7354567964.0	36.0	22.8	-24.7	8.2	13.0	29.1	72.3	43.0
90 11 9	7354567898.7	-29.2	20.5	-40.3	-7.4	12.4	-112.4	-69.2	42.1

Table 7.429
Baseline summary for MATERA -ONSALA60

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 9 6	1886809350.1	7.9	3.0	-8.4	2.3	4.5	58.2	36.7	12.5
90 12 21	1886809336.5	-5.7	2.5	-17.4	-6.7	7.8	-16.5	-38.0	12.7

Table 7.430
Baseline summary for MATERA -WETTZELL

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 9 6	990053390.6	4.1	2.3	-16.9	-1.5	2.8	58.8	40.9	9.8
90 12 21	990053383.7	-2.8	1.9	-11.7	3.6	4.3	-18.9	-36.8	9.3

Table 7.431
Baseline summary for MCD 7850-MOJAVE12

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 10 7	1305462984.1	.0	3.2	-3.2	.0	5.5	29.1	.0	14.9

Table 7.432

Baseline summary for MCD 7850-PIETOWN

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
88 10 7	556665228.0	.0	2.6	-4.9	.0	2.8	22.7	.0	11.9

Table 7.433

Baseline summary for MCD 7850-WESTFORD

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
88 10 7	3137645305.5	.0	4.3	-25.3	.0	12.3	-46.9	.0	20.6

Table 7.434

Baseline summary for MEDICINA-NOTO

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 1 27	893724235.6	6.4	2.0	7.2	.0	2.6	-3.3	21.4	7.7
90 9 6	893724231.5	2.4	2.0	5.8	-1.5	2.5	-16.4	8.3	9.1
90 12 21	893724224.5	-4.6	1.4	10.5	3.3	3.8	-51.9	-27.2	7.7

Table 7.435

Baseline summary for MEDICINA-RICHMOND

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
87 4 4	7658214983.8	30.7	235.3	-7.9	-2.2	29.6	117.5	128.1	316.2
87 5 4	7658214903.3	-49.9	31.5	9.0	14.8	11.5	9.6	20.2	47.6
87 12 10	7658214945.7	-7.4	28.1	-23.0	-17.3	11.0	-31.1	-20.5	42.8
87 12 19	7658214947.9	-5.3	28.9	68.8	74.5	70.5	41.1	51.6	93.1
88 5 8	7658215017.8	64.7	31.4	-.4	5.4	10.3	73.8	84.4	51.8
88 5 13	7658214957.1	3.9	24.2	-7.1	-1.3	10.3	10.2	20.8	40.0
88 6 18	7658214952.1	-1.0	14.0	31.3	37.1	13.6	11.1	21.7	40.0
88 8 21	7658214972.6	19.5	11.3	-2.0	3.8	8.7	-42.5	-32.0	25.2
88 9 1	7658214944.1	-9.0	18.1	-42.6	-36.8	15.0	-47.8	-37.2	41.7
88 10 30	7658214959.6	6.5	18.6	-8.4	-2.7	11.6	.1	10.6	41.8
88 11 10	7658214914.3	-38.9	13.9	-.7	5.1	14.8	23.9	34.4	38.8
88 11 29	7658214947.7	-5.5	13.8	-6.4	-.6	7.7	-27.8	-17.2	26.0
88 12 15	7658214953.8	.6	8.6	-18.8	-13.0	12.2	6.2	16.8	24.1
88 12 22	7658215031.8	78.7	32.3	-17.3	-11.5	29.7	-84.9	-74.4	55.8

Table 7.436

Baseline summary for MEDICINA-SESHAN25

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 5 9	8287102219.1	.0	16.3	-13.4	.0	18.4	157.5	.0	27.7

Table 7.437

Baseline summary for MEDICINA-WESTFORD

yy mm dd	Baseline Length Value	Residual	Sigma	Baseline Transverse Value	Residual	Sigma	Baseline Vertical Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
87 4 4	6144872422.3	35.6	189.2	2.1	4.9	24.9	79.8	83.4	345.1
87 5 4	6144872361.7	-25.0	20.0	10.6	13.4	7.6	-25.4	-21.9	39.0
87 12 9	6144872379.0	-7.7	6.6	9.8	12.7	8.6	22.7	26.3	26.9
87 12 10	6144872376.0	-10.6	11.5	.6	3.5	7.1	-42.0	-38.4	29.3
87 12 19	6144872400.9	14.2	22.1	68.5	71.3	67.1	1.5	5.1	81.2
88 5 8	6144872423.9	37.2	23.2	1.3	4.1	7.7	115.7	119.2	49.1
88 5 13	6144872388.3	1.6	16.2	-9.1	-6.3	7.3	29.7	33.3	34.9
88 5 18	6144872373.0	-13.7	32.9	-10.7	-7.8	21.4	-61.7	-58.1	78.3
88 6 18	6144872381.4	-5.3	7.1	33.8	36.7	9.1	6.0	9.6	30.2
88 8 6	6144872385.5	-1.2	7.7	-7.0	-4.1	7.1	8.1	11.7	22.3
88 8 21	6144872400.4	13.7	7.8	-2.5	.4	7.0	-19.0	-15.4	21.9

88 9 1	6144872388.1	1.4	6.0	-43.8	-41.0	10.2	-61.6	-58.0	24.6
88 10 30	6144872391.6	4.9	13.9	-4.2	-1.3	10.7	-7.4	-3.8	38.0
88 11 10	6144872383.5	-3.2	7.0	4.6	7.4	10.6	-.9	2.7	27.9
88 11 29	6144872388.1	1.4	7.6	-6.9	-4.1	6.1	-27.2	-23.6	19.8
88 12 15	6144872391.2	4.5	4.7	-18.7	-15.8	9.9	24.1	27.6	19.4
89 2 3	6144872373.4	-13.3	18.0	20.9	23.7	15.2	13.1	16.6	45.5
89 2 18	6144872396.8	10.1	14.3	-28.9	-26.0	12.6	86.4	89.9	34.8
89 2 21	6144872382.4	-4.3	6.3	-13.6	-10.7	9.5	-24.6	-21.0	20.7

Table 7.438
Baseline summary for METSHOVI-MOJAVE12

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
89 7 7	8149935256.2	-13.6	30.4	-16.4	-3.7	11.4	25.3	-29.8	42.1
89 7 12	8149935297.7	27.9	43.6	-6.8	5.9	14.3	99.0	44.0	51.2

Table 7.439
Baseline summary for METSHOVI-ONSALA60

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
89 7 6	784441967.1	1.0	4.1	-13.0	-9.6	4.5	-7.0	.5	26.4
89 7 7	784441972.1	6.0	6.6	-7.9	-4.5	7.2	-11.7	-4.2	40.6
89 7 9	784441952.5	-13.6	5.6	11.3	14.7	7.4	-68.8	-61.4	39.7
89 7 10	784441972.3	6.2	4.7	4.1	7.5	5.8	-1.3	6.2	27.7
89 7 12	784441961.2	-4.9	9.8	2.0	5.4	9.7	105.2	112.6	58.6

Table 7.440
Baseline summary for METSHOVI-RICHMOND

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
89 7 7	7758613763.4	-20.9	29.0	-15.7	-1.4	11.0	14.1	-23.4	45.8
89 7 12	7758613825.0	40.7	40.6	-12.1	2.2	13.9	68.6	31.2	52.9

Table 7.441
Baseline summary for METSHOVI-WESTFORD

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
89 7 7	6059189136.6	-4.8	21.9	-7.4	-3.2	9.2	-11.4	-35.3	42.7
89 7 12	6059189152.3	10.9	32.8	1.1	5.3	11.8	80.9	57.0	54.2

Table 7.442
Baseline summary for METSHOVI-WETTZELL

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
89 7 6	1433414947.1	-.1	5.5	-14.8	-12.7	5.4	-16.4	-8.7	28.0
89 7 7	1433414950.4	3.3	6.3	-4.1	-2.1	7.0	2.1	9.8	38.5
89 7 9	1433414941.9	-5.2	6.8	16.0	18.0	9.0	-154.7	-146.9	43.5
89 7 10	1433414949.1	1.9	5.5	14.2	16.2	8.2	26.7	34.4	28.8
89 7 12	1433414944.4	-2.7	9.1	-.6	1.4	9.6	131.8	139.5	58.5

Table 7.443
Baseline summary for MILESMON-MOJAVE12

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
88 4 16	1534074218.9	.0	8.3	-1.7	.0	8.7	15.6	.0	43.5

Table 7.444
Baseline summary for MILESMON-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 4 16	2722126744.5	.0	11.1	-13.6	.0	13.3	-23.7	.0	51.2

Table 7.445
Baseline summary for MOJAVE12-NOBEY 6M

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 11 20	8216104525.5	-28.7	44.7	-34.9	-53.6	35.8	-9.2	.2	74.3
90 1 24	8216104531.1	-23.1	28.3	35.5	16.7	19.7	-2.1	7.4	46.3
90 3 28	8216104519.3	-34.9	19.2	-20.5	-39.3	17.4	47.8	57.2	27.9
90 7 21	8216104555.7	1.5	50.9	6.1	-12.6	22.7	16.1	25.6	64.8
90 8 12	8216104519.3	-34.9	46.1	-2.8	-21.6	21.4	-27.4	-17.9	58.0
90 11 18	8216104631.5	77.4	22.5	87.9	69.2	18.6	-89.0	-79.6	32.0

Table 7.446
Baseline summary for MOJAVE12-NOME

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 6 19	4471763802.4	14.2	15.8	-70.8	-16.5	18.1	-22.3	-21.7	45.4
90 6 20	4471763775.2	-13.0	16.8	-68.0	-13.7	18.2	-.2	.4	47.5
90 6 21	4471763786.1	-2.1	13.8	-45.7	8.7	9.7	14.2	14.8	37.8

Table 7.447
Baseline summary for MOJAVE12-NOTO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 6 22	9422863890.1	-13.0	17.9	-19.3	8.8	11.8	-41.0	-1.6	38.2
89 6 27	9422863881.1	-21.9	17.4	-19.8	8.3	11.9	-23.9	15.5	32.9
89 7 10	9422863929.5	26.5	16.3	17.6	45.6	34.5	-31.5	8.0	42.2
89 8 31	9422863904.1	1.1	21.7	-12.4	15.7	13.3	-44.0	-4.6	39.5
89 9 5	9422863922.0	18.9	18.2	-30.0	-1.9	12.8	-41.5	-2.1	31.0
90 12 19	9422863894.1	-9.0	13.9	-44.1	-16.0	8.2	-44.3	-4.9	19.6

Table 7.448
Baseline summary for MOJAVE12-NRAO85 3

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 10	3262045664.8	4.1	6.0	16.0	17.0	13.0	-32.0	21.3	22.8
89 8 5	3262045666.9	6.1	7.0	2.4	3.4	7.6	-44.1	9.2	23.2
89 9 28	3262045642.7	-18.1	12.8	4.8	5.8	17.8	-47.2	6.1	55.7
90 8 8	3262045659.4	-1.3	7.1	-18.1	-17.1	12.8	-30.9	22.4	29.0
90 8 23	3262045653.5	-7.2	6.6	-13.8	-12.8	12.4	-74.0	-20.7	26.7
90 8 29	3262045664.5	3.8	7.5	.7	1.7	13.2	-97.5	-44.1	27.7

Table 7.449
Baseline summary for MOJAVE12-NRAO 140

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 11 2	3262601943.2	3.2	3.9	-30.6	-23.6	12.4	-52.3	-2.5	23.7
90 9 7	3262601935.2	-4.9	4.9	18.9	25.9	13.0	-47.5	2.3	22.6

Table 7.450
Baseline summary for MOJAVE12-OCOTILLO

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
84 3 4	299368587.9	-49.3	32.2	11.2	-3.2	26.8	344.5	310.7	204.6
85 1 16	299368625.5	-11.6	9.4	30.1	15.7	7.1	141.5	107.7	70.8
85 3 5	299368642.2	5.1	5.3	10.3	-4.0	3.6	-20.4	-54.3	43.3

Table 7.451
Baseline summary for MOJAVE12-OVR 7853

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
87 11 2	245893865.6	.0	2.3	6.2	.0	2.6	6.7	.0	13.5

Table 7.452
Baseline summary for MOJAVE12-PENTICTN

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 7 25	1566267825.6	11.7	10.3	3.0	1.6	9.2	-83.6	-26.8	59.9
90 7 26	1566267818.8	5.0	8.0	10.0	8.5	6.0	-59.0	-2.3	46.0
90 7 28	1566267800.6	-13.3	8.4	-10.4	-11.8	6.8	-34.0	22.7	51.6

Table 7.453
Baseline summary for MOJAVE12-SEATTLE1

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
86 8 28	1439349365.2	34.1	8.3	7.8	7.3	9.9	11.5	-14.3	52.8
90 8 9	1439349310.9	-20.1	7.6	-7.0	-7.6	7.6	96.5	70.7	43.0
90 8 10	1439349318.8	-12.2	9.3	4.0	3.4	7.6	-71.4	-97.3	54.2

Table 7.454
Baseline summary for MOJAVE12-SEST

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 4 19	7986720617.5	.0	16.2	-36.0	.0	19.5	61.2	.0	34.8

Table 7.455
Baseline summary for MOJAVE12-SOURDOGH

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
87 8 21	3577769386.1	7.5	13.5	-33.2	-22.7	13.7	21.5	8.8	51.2
87 8 22	3577769354.9	-23.6	11.9	-17.1	-6.7	12.7	90.5	77.8	42.7
88 7 28	3577769374.1	-4.4	10.4	7.6	18.0	9.4	-14.9	-27.6	33.8
88 7 29	3577769402.2	23.7	12.0	4.2	14.6	13.0	-64.5	-77.2	38.7
88 7 30	3577769365.9	-12.6	12.7	17.1	27.5	13.8	-39.2	-51.9	42.3
89 8 2	3577769384.1	5.6	8.9	-34.1	-23.6	8.4	15.9	3.2	31.1
89 8 3	3577769390.2	11.6	8.5	-6.0	4.4	14.1	12.9	.2	31.1
89 8 4	3577769363.9	-14.6	9.8	-2.2	8.3	14.2	80.7	68.0	35.0

Table 7.456
Baseline summary for MOJAVE12-TROMSONO

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
89 8 1	7344759276.9	.0	15.8	-8.3	.0	9.0	38.2	.0	30.3

Table 7.457
Baseline summary for MOJAVE12-VICTORIA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 8 2	1545227664.1	-6.0	7.6	18.2	3.7	6.3	-28.8	5.4	46.1
90 8 3	1545227664.7	-5.3	8.2	14.8	.3	8.5	-58.1	-23.9	51.2
90 8 4	1545227683.5	13.5	8.5	7.7	-6.8	8.4	-15.0	19.1	53.9

Table 7.458
Baseline summary for MOJAVE12-WHTHORSE

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 8 4	3076518289.9	24.5	9.3	-23.2	-9.1	12.3	-68.2	-54.6	34.8
88 8 5	3076518276.3	10.9	8.9	-19.3	-5.2	7.2	-79.6	-66.0	31.8
88 8 6	3076518275.1	9.6	9.7	-16.8	-2.7	6.7	-64.7	-51.1	35.1
89 8 9	3076518243.7	-21.7	7.2	-8.5	5.7	12.0	80.1	93.7	31.1
89 8 10	3076518257.8	-7.6	8.5	-6.1	8.0	6.6	45.3	58.9	32.7

Table 7.459
Baseline summary for MOJ 7288-MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	358197.0	.0	1.7	1.1	.0	2.4	-4.0	.0	15.1

Table 7.460
Baseline summary for MOJ 7288-OVRO 130

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	245135041.1	.0	2.7	4.1	.0	2.8	3.3	.0	18.6

Table 7.461
Baseline summary for MOJ 7288-OVR 7853

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	245751411.7	.0	3.0	3.4	.0	3.0	2.8	.0	19.1

Table 7.462
Baseline summary for MON PEAK-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 11 11	3985679567.2	9.0	13.6	70.0	-5.2	16.9	-147.4	-8.5	53.7
90 11 12	3985679549.0	-9.2	13.8	80.4	5.2	16.8	-131.3	7.6	50.9

Table 7.463
Baseline summary for NOME -SNDPOINT

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 7 15	1060002847.5	-25.2	32.0	-50.7	-33.3	28.4	126.6	133.2	189.5
85 7 26	1060002871.8	-1.0	8.4	-13.7	3.8	7.5	-66.6	-60.0	53.4
86 8 1	1060002875.7	2.9	8.7	-18.3	-.8	5.7	52.2	58.8	58.2

Table 7.464
Baseline summary for NOME -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 6 19	5785551171.8	24.6	20.0	-77.0	-13.2	22.8	-58.2	2.5	45.8
90 6 20	5785551137.3	-10.0	21.3	-76.4	-12.5	22.8	-65.0	-4.3	47.6
90 6 21	5785551135.0	-12.3	17.7	-57.3	6.5	11.4	-59.8	.9	36.7

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Table 7.465

Baseline summary for NOTO -NRAO85 3

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 10	7446887087.3	-11.3	11.1	-3.1	-19.2	27.4	12.2	22.5	35.2
89 7 19	7446887114.4	15.9	14.1	20.6	4.5	28.0	-6.2	4.1	39.7
89 9 11	7446887100.7	2.1	13.5	20.5	4.4	14.9	-30.0	-19.7	30.8

Table 7.466

Baseline summary for NOTO -ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 6 4	2280154895.5	6.9	2.7	2.3	2.5	8.9	25.5	-6.2	13.3
89 9 5	2280154906.1	17.5	4.8	-3.6	-3.3	5.4	23.6	-8.1	18.1
90 1 27	2280154885.1	-3.5	2.5	-9.5	-9.2	4.9	27.6	-4.2	9.2
90 9 6	2280154890.7	2.1	2.9	13.8	14.0	5.1	35.7	4.0	12.8
90 12 19	2280154869.1	-19.5	3.6	-1.9	-1.6	4.1	2.2	-29.5	16.6
90 12 21	2280154889.3	.7	2.4	1.8	2.1	9.2	66.7	35.0	13.5

Table 7.467

Baseline summary for NOTO -RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 6 22	8115263603.4	11.9	15.3	-28.9	13.8	14.9	-13.3	-5.3	32.9
89 6 27	8115263599.0	7.5	15.6	-32.5	10.1	12.9	-53.1	-45.1	29.7
89 7 10	8115263588.7	-2.8	15.6	1.5	44.2	29.6	44.5	52.5	38.7
89 8 31	8115263572.6	-18.9	18.0	-27.8	14.9	15.6	25.6	33.6	34.6
90 12 19	8115263589.9	-1.6	12.0	-60.5	-17.8	8.7	-10.7	-2.6	19.0

Table 7.468

Baseline summary for NOTO -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 6 4	6744637398.1	-2.3	7.4	18.4	48.1	24.8	41.8	35.5	32.4
89 6 22	6744637377.4	-23.0	11.2	-25.2	4.5	11.4	25.3	19.0	29.7
89 6 27	6744637390.5	-9.9	10.6	-24.3	5.4	9.6	-14.3	-20.5	25.5
89 8 31	6744637390.4	-10.0	12.3	-17.8	12.0	11.1	28.9	22.7	30.4
89 9 5	6744637414.7	14.3	11.7	-29.1	.6	10.2	15.9	9.6	23.8
90 12 19	6744637423.4	23.0	9.1	-45.3	-15.6	7.5	-15.0	-21.3	18.0

Table 7.469

Baseline summary for NOTO -WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 6 4	1371101062.0	2.8	2.2	2.3	-2.2	5.5	.3	-33.6	10.0
89 6 22	1371101062.8	3.6	3.9	8.3	3.9	4.0	38.9	5.0	16.4
89 6 24	1371101063.1	3.8	4.1	8.2	3.7	6.2	43.2	9.2	18.9
89 6 25	1371101072.8	13.6	3.7	8.9	4.4	6.1	48.9	15.0	18.2
89 6 26	1371101061.0	1.7	3.3	5.7	1.2	3.4	61.2	27.3	13.6
89 6 27	1371101060.7	1.5	4.0	7.4	2.9	3.6	5.5	-28.4	15.8
89 8 31	1371101054.5	-4.8	4.1	6.0	1.6	4.2	48.1	14.2	18.3
89 9 2	1371101064.4	5.1	3.7	9.5	5.0	6.2	49.2	15.3	15.5
89 9 3	1371101065.8	6.5	4.1	-3.5	-7.9	6.6	37.1	3.2	19.4
89 9 5	1371101066.5	7.3	3.8	.4	-4.1	4.1	20.7	-13.3	16.0
89 9 13	1371101062.8	3.5	4.1	10.1	5.6	7.3	20.9	-13.1	22.4
89 9 14	1371101071.6	12.4	4.4	4.0	-.5	4.9	25.6	-8.4	22.8
90 1 27	1371101061.5	2.2	2.0	-2.2	-6.6	3.2	32.4	-1.6	7.6
90 9 6	1371101054.7	-4.5	2.2	5.3	.8	3.3	34.6	.6	9.7
90 12 19	1371101043.5	-15.8	2.7	3.2	-1.3	3.2	7.0	-27.0	16.0
90 12 21	1371101054.4	-4.9	1.7	7.2	2.7	5.6	63.5	29.6	9.6

Table 7.470

Baseline summary for NRAO85 3-RICHMOND

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
89 4 4	1419169113.2	-25.0	19.7	-2.8	3.3	10.4	38.9	11.2	71.9
89 4 21	1419169114.3	-23.9	11.9	-98.3	-92.2	42.2	46.9	19.2	61.2
89 5 9	1419169144.3	6.2	6.5	-8.7	-2.7	5.6	9.2	-18.5	22.3
89 5 31	1419169139.1	.9	4.7	-7.1	-1.1	5.9	27.0	-.6	20.4
89 6 1	1419169130.3	-7.9	7.3	2.2	8.3	5.0	-32.5	-60.2	26.0
89 6 5	1419169131.6	-6.6	7.4	6.6	12.6	8.8	-5.1	-32.8	27.8
89 6 28	1419169146.5	8.3	5.5	3.5	9.5	4.7	64.8	37.2	23.9
89 7 3	1419169140.3	2.2	4.8	1.3	7.4	4.5	14.7	-12.9	20.5
89 7 10	1419169128.3	-9.9	5.7	2.8	8.9	5.8	42.4	14.7	19.1
89 7 24	1419169141.8	3.6	6.0	-24.3	-18.2	6.4	59.0	31.4	22.2
89 8 5	1419169140.9	2.7	6.0	5.6	11.6	5.1	58.6	31.0	22.1
89 8 8	1419169144.5	6.4	5.1	-9.6	-3.5	5.9	30.9	3.3	20.3
89 8 18	1419169132.6	-5.6	5.4	-4.2	1.9	6.7	25.6	-2.0	23.7
89 8 25	1419169092.4	-45.8	7.8	-1.8	4.2	5.8	-97.2	-124.9	28.7
89 9 1	1419169144.0	5.8	5.8	-1.0	5.0	6.2	-21.2	-48.8	22.9
89 9 8	1419169139.0	.9	4.8	-7.1	-1.0	6.3	5.0	-22.6	20.5
89 9 18	1419169140.3	2.2	6.4	-3.9	2.2	7.0	-2.9	-30.6	25.9
89 10 6	1419169141.3	3.2	6.5	.4	6.5	5.8	63.0	35.4	23.8
89 10 17	1419169144.5	6.3	8.0	-7.3	-1.2	8.4	41.2	13.5	24.9
89 10 24	1419169141.1	2.9	4.6	-6.5	-.4	7.1	-14.4	-42.1	21.3
89 10 31	1419169134.4	-3.8	5.5	-14.6	-8.5	11.7	37.6	9.9	28.0
89 11 27	1419169164.8	26.6	6.8	-14.3	-8.2	7.3	-74.7	-102.4	31.2
89 12 18	1419169137.2	-1.0	4.9	-3.9	2.2	3.9	36.7	9.1	16.7
89 12 28	1419169146.7	8.5	8.1	-.3	5.7	6.6	17.1	-10.5	46.6
90 1 11	1419169133.4	-4.8	6.0	-.6	5.5	6.8	17.7	-9.9	26.2
90 1 25	1419169133.5	-4.7	5.5	-23.4	-17.4	11.0	23.8	-3.9	28.2
90 2 1	1419169131.5	-6.6	6.2	-33.7	-27.6	7.0	32.8	5.1	30.4
90 2 15	1419169127.1	-11.1	3.9	-3.0	3.1	6.0	19.2	-8.5	14.7
90 2 21	1419169131.0	-7.2	5.6	-7.3	-1.2	4.2	85.2	57.6	20.5
90 3 1	1419169139.7	1.5	3.6	-4.9	1.2	5.8	9.3	-18.4	13.3
90 3 8	1419169139.4	1.3	6.0	-5.6	.4	4.3	-24.1	-51.7	25.0
90 3 22	1419169132.7	-5.5	4.8	-1.9	4.2	6.0	37.5	9.8	19.0
90 4 5	1419169143.7	5.5	5.2	-13.4	-7.4	6.2	-4.0	-31.7	23.2
90 4 12	1419169148.6	10.4	4.0	-19.9	-13.8	3.6	3.1	-24.5	15.1
90 4 17	1419169126.1	-12.1	5.4	-4.4	1.6	3.9	42.7	15.0	22.3
90 4 26	1419169133.1	-5.1	3.5	-3.0	3.1	5.8	10.0	-17.7	13.8
90 5 2	1419169138.5	.4	5.8	-14.0	-7.9	5.0	34.3	6.6	22.8
90 5 16	1419169134.6	-3.6	5.1	-8.0	-1.9	6.2	-27.8	-55.5	22.8
90 5 31	1419169128.4	-9.8	6.2	-1.0	5.1	6.5	-21.3	-49.0	25.4
90 6 5	1419169129.2	-8.9	6.2	-7.6	-1.5	6.6	62.2	34.5	26.2
90 6 13	1419169129.8	-8.4	6.3	-3.0	3.0	4.8	38.3	10.7	27.4
90 7 10	1419169134.0	-4.1	8.5	14.5	20.5	15.0	64.2	36.5	44.6
90 7 18	1419169148.3	10.1	5.7	-12.4	-6.4	5.2	63.2	35.6	24.5
90 7 25	1419169140.6	2.4	5.2	-14.6	-8.6	9.8	7.1	-20.6	27.8
90 8 8	1419169153.0	14.8	6.5	-17.7	-11.6	7.3	1.6	-26.1	30.3
90 9 12	1419169144.9	6.8	4.2	-15.9	-9.9	6.3	61.1	33.4	20.1
90 9 26	1419169133.7	-4.5	4.2	.7	6.7	3.9	45.8	18.1	17.1
90 10 3	1419169152.9	14.7	6.2	-12.6	-6.5	6.6	48.6	20.9	22.7
90 10 12	1419169141.1	2.9	4.3	-19.0	-13.0	6.3	18.3	-9.4	15.2
90 10 17	1419169151.0	12.8	5.7	-4.2	1.8	6.7	28.9	1.3	21.8
90 10 23	1419169139.6	1.4	4.7	6.0	12.1	6.2	63.0	35.4	17.2
90 11 1	1419169145.4	7.2	6.5	-.4	5.6	6.8	61.2	33.5	22.3
90 11 7	1419169144.8	6.7	4.2	2.1	8.2	6.0	50.1	22.4	14.5
90 11 15	1419169106.3	-31.9	11.3	-11.3	-5.2	7.8	65.9	38.3	37.7
90 11 21	1419169142.0	3.8	4.9	2.9	9.0	6.3	70.9	43.3	17.5
90 12 6	1419169135.1	-3.1	4.7	-7.7	-1.6	6.2	39.5	11.9	16.0
90 12 12	1419169131.9	-6.2	5.7	-20.7	-14.6	6.6	74.9	47.3	21.3

Table 7.471
Baseline summary for NRAO85 3-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 5 31	845216072.0	.2	3.4	-2.4	1.1	4.5	30.9	-3.9	18.3
89 6 1	845216064.1	-7.7	5.3	-4.2	-.7	5.3	-34.5	-69.3	24.5
90 9 12	845216078.1	6.4	3.1	-1.7	1.9	4.4	75.6	40.8	14.6
90 9 21	845216068.6	-3.2	4.4	1.4	4.9	5.0	5.3	-29.5	23.6
90 9 26	845216069.6	-2.1	3.0	-8.0	-4.4	3.7	32.1	-2.7	14.8

Table 7.472
Baseline summary for NRAO 140-ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
81 11 19	6319317560.4	-3.3	27.7	-19.5	-83.5	757.6	-99.9	-123.2	735.2
81 11 20	6319317566.6	2.9	10.9	-132.2	-196.3	728.3	45.4	22.0	724.3
82 12 16	6319317602.3	38.6	21.0	187.8	123.7	726.8	-1.5	-24.8	721.3
82 12 17	6319317522.7	-40.9	19.5	213.8	149.8	729.6	145.5	122.2	723.1

Table 7.473
Baseline summary for OCOTILLO-OVRO 130

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
85 3 5	542313245.9	.0	7.4	16.7	.0	5.3	-40.2	.0	55.7

Table 7.474
Baseline summary for OCOTILLO-PVERDES

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
85 3 5	264927264.5	.0	5.8	-36.7	.0	6.5	-14.2	.0	63.1

Table 7.475
Baseline summary for OCOTILLO-VNDNBERG

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 3 4	487851076.0	-26.6	35.0	-105.6	-47.8	41.8	-391.4	-420.5	273.8
85 1 16	487851081.2	-21.4	10.9	-33.5	24.4	11.1	-109.4	-138.5	75.1
85 3 5	487851110.9	8.2	6.4	-63.0	-5.2	5.5	93.0	63.9	46.0

Table 7.476
Baseline summary for ONSALA60-ROBLED32

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 5 6	2204783304.2	.0	13.2	41.1	.0	408.3	60.6	.0	222.2

Table 7.477
Baseline summary for ONSALA60-SEST

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 4 19	10459732554.9	-12.4	24.6	-76.3	-89.3	25.1	48.5	36.2	35.7
90 5 24	10459732577.6	10.2	34.8	60.8	47.7	21.8	1.1	-11.3	32.8
90 5 25	10459732585.5	18.2	38.8	83.5	70.5	41.0	-29.1	-41.5	48.2

Table 7.478
Baseline summary for ONSALA60-TROMSONO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 31	1406156787.6	16.6	5.9	-1.6	-3.8	6.4	-15.3	-42.4	30.9
89 8 1	1406156770.0	-1.1	6.2	8.8	6.7	4.9	69.6	42.5	26.2
89 8 2	1406156754.0	-17.1	5.6	-5.6	-7.8	7.4	7.0	-20.2	29.6
89 8 3	1406156774.1	3.0	5.5	-1.6	-3.8	8.9	32.9	5.8	31.4

Table 7.479
Baseline summary for OVRO 130-PVERDES

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 11 13	387094609.0	46.3	22.7	-79.2	-22.3	27.5	6.1	-18.9	125.5
85 3 5	387094557.8	-4.9	7.4	-56.3	.6	4.6	29.6	4.7	62.5

Table 7.480
Baseline summary for OVRO 130-SANPAULA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 9 1	322080187.0	.0	12.1	-109.2	.0	22.7	38.5	.0	85.2

Table 7.481
Baseline summary for OVR 7853-OVRO 130

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 11 2	991122.9	.0	1.7	-.7	.0	2.5	.5	.0	12.5

Table 7.482
Baseline summary for PBLOSSOM-SANPAULA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 2 9	99880794.8	.0	7.3	-9.3	.0	11.0	-61.2	.0	71.3

Table 7.483
Baseline summary for PENTICTN-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 7 25	3684967817.0	24.1	20.1	8.3	30.2	15.9	-78.2	-55.8	61.2
90 7 26	3684967796.9	4.0	15.4	-11.1	10.7	8.8	-27.7	-5.3	44.6
90 7 28	3684967770.6	-22.3	17.1	-47.0	-25.1	9.8	22.5	44.9	50.6

Table 7.484
Baseline summary for PENTICTN-YELLOWKN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 8 25	1495292883.0	-4.9	14.5	-32.8	-17.1	8.3	58.8	5.6	86.3
85 9 5	1495292890.3	2.5	10.2	-7.8	8.0	5.7	50.7	-2.5	57.9

Table 7.485
Baseline summary for PINFLATS-PVERDES

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 3 26	180972818.7	-.9	5.9	4.0	6.2	8.5	19.6	11.9	47.8
87 12 9	180972823.4	3.8	4.9	-4.6	-2.3	7.4	-35.6	-43.3	44.0
88 2 6	180972815.6	-4.0	5.5	-5.0	-2.7	7.9	55.3	47.6	52.6

Table 7.486

Baseline summary for PLATTVIL-VERNAL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
86 3 31	412425203.1	.0	4.1	-7.9	.0	6.0	116.2	.0	40.9

Table 7.487

Baseline summary for PRESIDIO-PT REYES

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 8 28	53727229.9	-3.9	12.3	-27.1	-12.8	9.8	149.0	164.3	89.4
85 3 14	53727237.0	3.2	9.6	-4.0	10.3	10.0	-113.3	-98.0	98.9
85 10 20	53727233.6	-.2	4.4	-13.6	.8	5.1	-34.4	-19.1	42.5

Table 7.488

Baseline summary for PRESIDIO-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 10 21	4224409687.9	13.0	21.0	62.2	16.8	17.1	-101.0	-20.8	67.8
89 10 24	4224409684.0	9.1	14.1	41.7	-3.7	8.9	-35.7	44.4	38.7
89 11 17	4224409632.9	-41.9	19.9	33.2	-12.1	17.8	-248.1	-167.9	56.7
89 11 18	4224409684.9	10.0	18.0	48.5	3.1	10.7	-8.7	71.5	51.2

Table 7.489

Baseline summary for PRESIDIO-YUMA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 2 7	922582253.9	.0	7.2	-9.3	.0	5.9	66.5	.0	44.9

Table 7.490

Baseline summary for PT REYES-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 11 7	4248545122.0	19.1	18.8	49.0	-11.7	17.5	19.0	57.1	53.3
89 11 8	4248545081.2	-21.7	15.8	69.0	8.3	9.0	-44.3	-6.2	43.6
89 11 12	4248545105.4	2.5	17.6	54.9	-5.9	17.2	-71.7	-33.6	52.3
89 11 13	4248545110.4	7.5	17.4	56.2	-4.5	10.0	-48.7	-10.6	48.3

Table 7.491

Baseline summary for PT REYES-YUMA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
87 10 25	975980359.6	.0	10.7	-15.6	.0	10.3	-85.9	.0	64.2

Table 7.492

Baseline summary for QUINCY -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 11 2	4023819287.3	6.9	14.0	34.9	7.3	17.9	-18.7	32.4	46.1
89 11 3	4023819271.4	-9.0	16.1	24.8	-2.8	11.0	-84.9	-33.7	47.0

Table 7.493

Baseline summary for RICHMOND-TROMSONO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 1	7249939451.9	.0	16.5	-9.2	.0	8.7	24.6	.0	30.9

Table 7.494
Baseline summary for ROBLED32-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
83 5 6	5300463005.3	.0	31.1	27.8	.0	716.4	250.7	.0	195.4

Table 7.495
Baseline summary for SEATTLE1-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
86 8 28	3895645969.9	20.7	14.3	33.4	63.0	17.0	86.4	190.5	90.6
90 8 9	3895645931.4	-17.9	13.3	-46.3	-16.7	16.2	-209.3	-105.1	47.2
90 8 10	3895645949.0	-.3	16.5	-54.4	-24.8	12.7	-29.1	75.0	56.0

Table 7.496
Baseline summary for SESHAN25-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 4 4	8003555597.0	-42.2	31.9	22.8	30.0	27.1	-149.1	-.8	61.6
90 5 9	8003555649.9	10.6	16.0	-20.2	-13.0	17.8	-148.1	.2	27.0

Table 7.497
Baseline summary for SEST -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 4 19	7447845581.9	-4.3	12.8	-47.9	-27.1	17.3	-63.2	-68.4	34.5
90 5 24	7447845602.6	16.3	25.3	4.3	25.1	17.8	28.4	23.1	36.8
90 5 25	7447845587.1	.8	27.9	-10.3	10.6	30.6	91.4	86.2	46.2

Table 7.498
Baseline summary for SNDPOINT-VNDNBERG

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 7 15	3763664150.7	78.8	54.8	96.2	69.2	40.7	17.5	20.8	243.0
85 7 26	3763664099.1	27.2	14.8	58.1	31.1	16.9	85.9	89.2	51.9
86 8 1	3763664032.1	-39.9	16.3	7.9	-19.1	11.2	-96.5	-93.2	52.8

Table 7.499
Baseline summary for SNDPOINT-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 7 13	5963589399.6	10.7	18.7	10.4	20.4	19.3	126.6	117.8	56.4
88 7 14	5963589392.1	3.2	19.5	9.9	19.9	19.1	132.9	124.2	51.3
89 7 14	5963589354.5	-34.4	16.8	-19.6	-9.5	22.7	-5.8	-14.6	41.3
89 7 15	5963589397.6	8.7	15.8	-32.5	-22.4	22.4	78.1	69.3	39.5
89 7 16	5963589415.8	26.9	16.8	-21.2	-11.1	10.3	68.0	59.3	35.5
90 7 10	5963589359.7	-29.2	20.9	10.4	20.5	23.7	-66.4	-75.1	46.0
90 7 11	5963589389.8	.9	17.3	3.1	13.2	12.1	-45.0	-53.7	35.0
90 7 13	5963589395.4	6.6	20.4	-21.3	-11.2	12.9	-141.8	-150.6	41.4

Table 7.500
Baseline summary for SOURDOGH-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 7 28	4992696135.9	-16.8	14.0	7.1	6.2	11.0	8.6	26.5	41.9
88 7 29	4992696167.0	14.3	16.8	17.8	17.0	18.1	102.9	120.8	52.6
88 7 30	4992696128.9	-23.9	16.6	14.5	13.7	18.1	24.1	41.9	47.5
89 8 2	4992696155.0	2.3	12.1	-18.4	-19.2	10.0	-27.8	-9.9	33.0
89 8 3	4992696168.5	15.8	11.5	13.0	12.2	19.2	-29.6	-11.7	34.3
89 8 4	4992696150.4	-2.3	13.1	6.2	5.4	19.2	-101.2	-83.3	37.8

Table 7.501

Baseline summary for SOURDOGH-WHTHORSE

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 8 8	591316589.6	11.7	18.7	22.1	40.6	15.6	20.1	-34.7	150.1
86 8 19	591316579.8	1.8	5.4	-14.5	4.0	5.9	82.4	27.6	46.8
86 8 21	591316574.0	-3.9	6.3	-26.9	-8.3	5.4	22.7	-32.1	53.8

Table 7.502

Baseline summary for SOURDOGH-YAKATAGA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 8 1	329299274.7	41.0	6.0	-81.5	5.0	5.5	.4	62.9	54.8
85 8 6	329299240.3	6.6	5.3	-88.8	-2.3	4.4	-42.5	20.0	46.7
86 8 12	329299204.9	-28.8	6.6	-88.7	-2.2	5.2	-119.3	-56.8	53.7
86 8 14	329299191.6	-42.1	7.6	-85.7	.8	5.0	-108.7	-46.2	66.6

Table 7.503

Baseline summary for TROMSONO-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 8 1	5474070365.1	.0	11.4	6.7	.0	6.9	-50.6	.0	28.2

Table 7.504

Baseline summary for TROMSONO-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 7 31	2296324612.6	20.5	7.4	1.8	2.3	7.7	28.1	38.8	34.6
89 8 1	2296324582.2	-9.9	7.3	.5	1.0	5.7	-33.8	-23.1	26.2
89 8 2	2296324574.4	-17.7	7.3	-9.3	-8.8	9.8	11.8	22.5	32.5
89 8 3	2296324598.9	6.8	6.9	3.1	3.6	13.1	-37.0	-26.3	36.2

Table 7.505

Baseline summary for VERNAL -VNDNBERG

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 10 21	1165722335.8	.0	4.7	34.7	.0	8.5	-10.5	.0	27.6

Table 7.506

Baseline summary for VERNAL -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
89 4 26	3132148592.9	-2.8	10.9	-16.4	-2.6	14.0	-54.0	-25.8	38.2
89 4 27	3132148577.2	-18.6	11.1	-15.5	-1.7	7.7	-58.9	-30.8	36.3
90 10 22	3132148602.3	6.5	10.1	-4.6	9.2	14.4	14.7	42.9	42.5
90 10 23	3132148615.2	19.4	13.4	-14.4	-.6	14.3	17.7	45.9	51.5

Table 7.507

Baseline summary for VERNAL -YUMA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
88 10 21	917552147.0	.0	5.8	-1.0	.0	7.1	-30.0	.0	32.7

Table 7.508
Baseline summary for VICTORIA-WESTFORD

yy	mm	dd	Baseline Length			Baseline Transverse			Baseline Vertical		
			Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
			mm	mm	mm	mm	mm	mm	mm	mm	mm
90	8	2	3967716616.8	-6.3	14.8	-4.1	-7.8	9.0	-19.0	-31.1	44.9
90	8	3	3967716625.5	2.3	16.3	11.7	8.0	16.2	51.1	38.9	51.9
90	8	4	3967716629.4	6.3	17.7	21.4	17.7	16.4	15.3	3.1	54.7

Table 7.509
Baseline summary for VNDNBERG-WESTFORD

yy	mm	dd	Baseline Length			Baseline Transverse			Baseline Vertical		
			Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
			mm	mm	mm	mm	mm	mm	mm	mm	mm
89	10	21	4228947352.3	10.3	10.1	94.9	19.9	15.9	-55.4	-34.0	46.9
89	10	24	4228947365.2	23.2	8.8	72.0	-3.0	8.2	42.2	63.6	25.8
89	11	2	4228947341.9	-.1	9.6	87.3	12.3	18.7	-34.4	-13.0	33.8
89	11	3	4228947333.6	-8.4	9.8	88.7	13.7	10.6	-68.9	-47.5	29.6
89	11	7	4228947356.0	14.0	9.8	55.0	-20.0	16.8	35.7	57.1	32.5
89	11	8	4228947315.0	-27.0	7.6	71.9	-3.1	7.8	-30.3	-8.9	22.4
89	11	12	4228947348.8	6.8	8.9	63.5	-11.5	16.4	-44.1	-22.7	30.5
89	11	13	4228947344.4	2.5	9.0	63.2	-11.9	8.7	-24.8	-3.4	27.1
89	11	17	4228947332.2	-9.8	11.2	80.2	5.2	16.8	-92.6	-71.2	36.3
89	11	18	4228947339.9	-2.1	8.6	85.4	10.3	9.6	9.4	30.8	31.0

Table 7.510
Baseline summary for VNDNBERG-WHTHORSE

yy	mm	dd	Baseline Length			Baseline Transverse			Baseline Vertical		
			Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
			mm	mm	mm	mm	mm	mm	mm	mm	mm
84	8	8	3058395747.4	129.2	41.6	-65.9	-83.1	22.7	55.8	16.3	145.9
86	8	19	3058395604.8	-13.5	11.5	42.3	25.1	12.6	78.2	38.6	45.7
86	8	21	3058395623.2	4.9	13.5	17.7	.4	9.6	-5.6	-45.2	48.4

Table 7.511
Baseline summary for VNDNBERG-YAKATAGA

yy	mm	dd	Baseline Length			Baseline Transverse			Baseline Vertical		
			Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
			mm	mm	mm	mm	mm	mm	mm	mm	mm
84	8	1	3214772140.4	-24.5	19.9	30.8	-37.7	25.8	81.2	152.4	85.7
85	8	6	3214772158.4	-6.5	12.0	51.8	-16.6	11.9	-113.2	-42.0	50.8
86	8	12	3214772163.0	-1.9	14.6	76.8	8.3	13.4	-63.2	8.0	58.1
86	8	14	3214772199.1	34.2	17.2	90.6	22.1	13.2	-97.2	-25.9	61.8

Table 7.512
Baseline summary for WESTFORD-WHTHORSE

yy	mm	dd	Baseline Length			Baseline Transverse			Baseline Vertical		
			Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
			mm	mm	mm	mm	mm	mm	mm	mm	mm
88	8	4	4511164166.2	30.0	13.0	-17.7	-7.5	17.9	-87.1	-80.7	43.4
88	8	5	4511164144.7	8.5	11.9	-22.3	-12.1	9.3	-118.3	-111.9	36.5
89	8	9	4511164113.6	-22.6	10.7	-4.3	5.9	16.8	110.6	117.0	33.6
89	8	10	4511164130.1	-6.1	12.5	-2.1	8.1	7.5	20.4	26.7	33.7

Table 7.513
Baseline summary for WESTFORD-YAKATAGA

yy	mm	dd	Baseline Length			Baseline Transverse			Baseline Vertical		
			Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
			mm	mm	mm	mm	mm	mm	mm	mm	mm
88	7	22	4895738316.0	-32.7	14.8	.2	-37.3	15.6	-57.1	5.8	59.9
88	7	24	4895738328.5	-20.2	14.8	7.2	-30.3	19.0	-106.1	-43.2	52.3
89	7	25	4895738362.9	14.2	11.8	34.7	-2.8	18.7	-78.1	-15.2	35.6
89	7	26	4895738341.1	-7.6	14.2	30.9	-6.6	8.8	-53.3	9.5	35.9
90	6	9	4895738415.6	66.8	26.1	59.9	22.4	19.9	-202.4	-139.5	67.4
90	6	10	4895738366.4	17.6	18.3	63.6	26.1	19.6	24.8	87.7	47.5
90	6	11	4895738357.4	8.6	17.6	59.6	22.1	10.4	-43.4	19.5	43.0

8.0 Site Coordinates by Session from GLB754

Tables 8.1 presents, for each station and mobile site, the geocentric, Cartesian site positions in individual sessions in the VLBI reference frame. The user is reminded that the position at a particular epoch is relative to the (arbitrary) reference station for that session and that different observing sessions having unrelated observing networks will have different reference stations. Eighty seven of the 88 fixed stations and mobile sites appearing in Tables 1.1 and 1.2 are tabulated. HAYSTACK does not appear as it is always the reference station in each session in which it participates.

Table 8.2 presents, for each session, the geocentric, Cartesian positions for each fixed station or mobile site with their correlations in lower triangular form.

Tables 8.1 and 8.2 are only available in the machine-readable version. Table 8.0 gives the *a priori* positions of the sites used to define the origin for each session. These are the same positions found in Table 5.10.

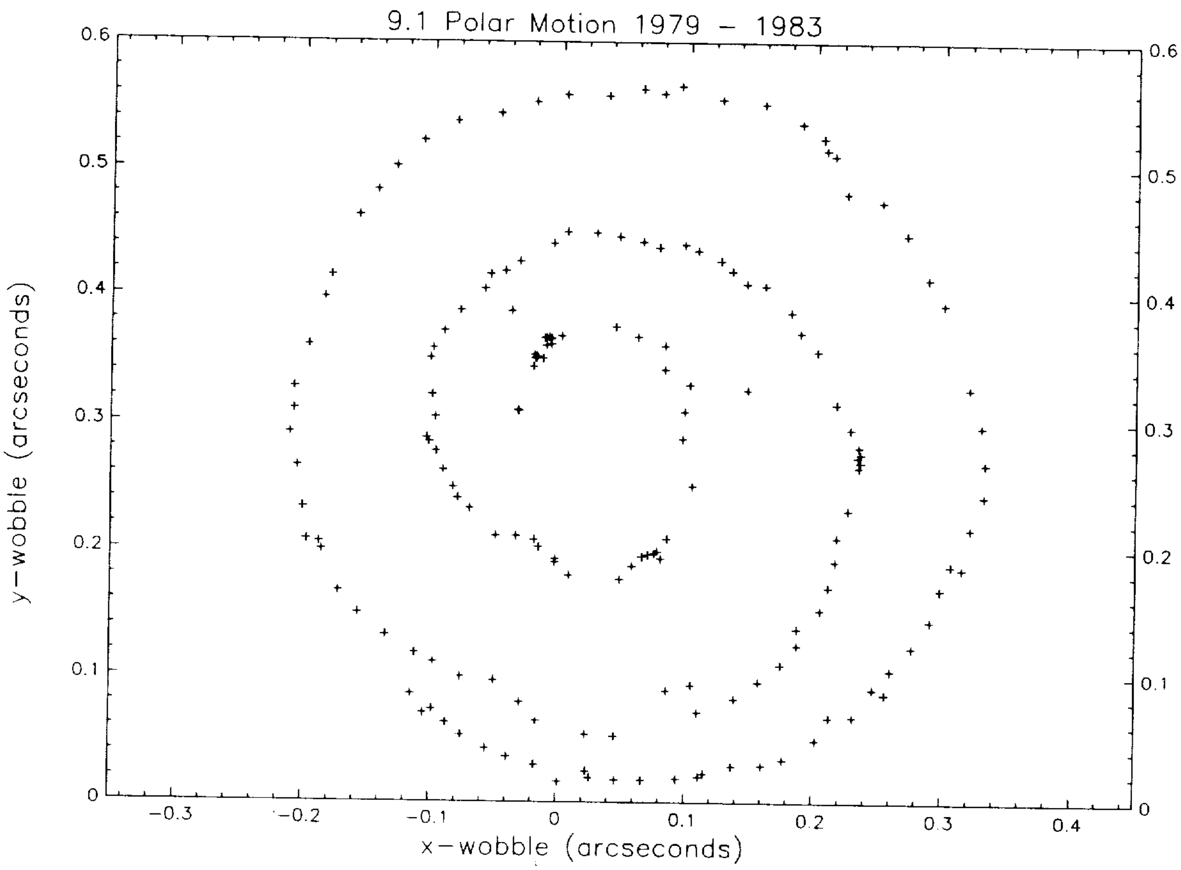
9.0 Earth Rotation and Nutation from GLB751

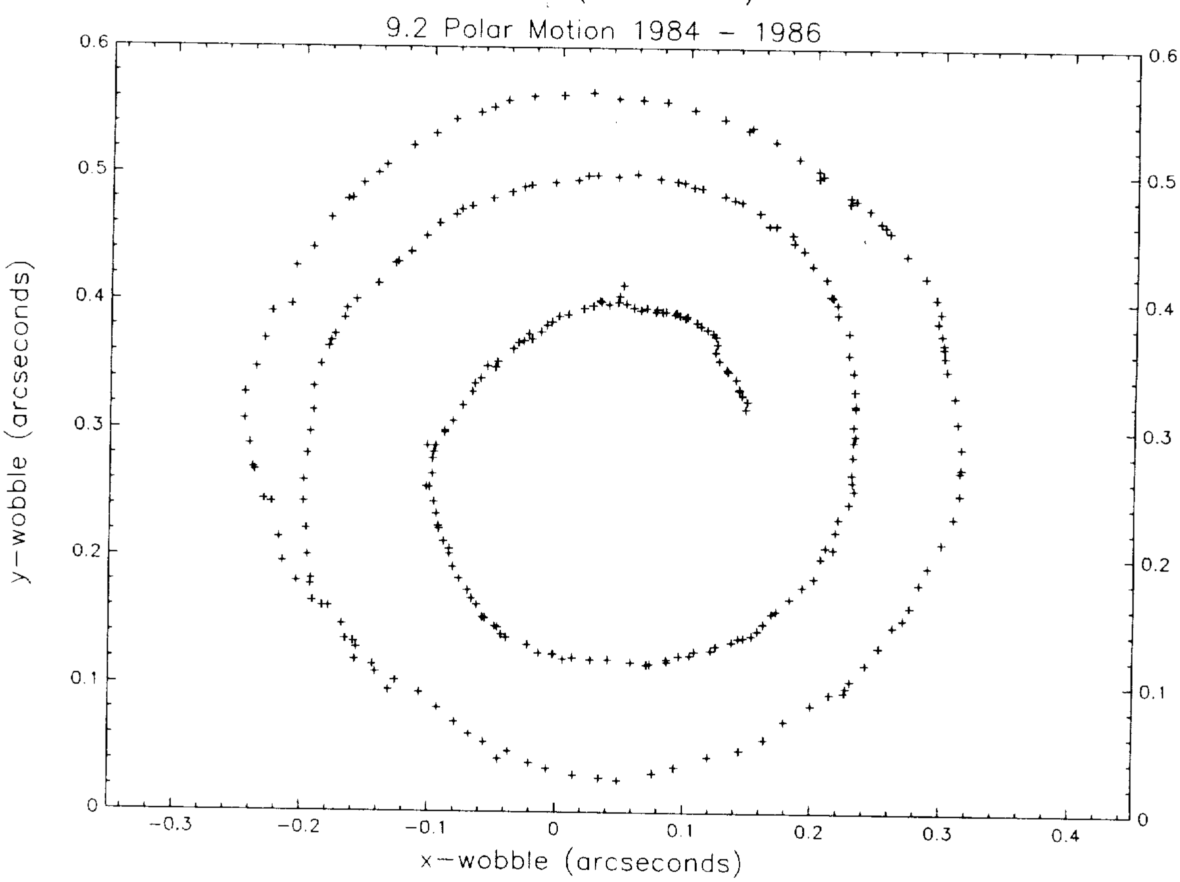
Plots 9.1 through 9.3 show the pole in arcseconds over the periods 1979 through 1983, 1984 through 1986, and 1987 through 1990 respectively. Formal errors of the pole components are of the order of 100 to 300 milliarcseconds. Error bars have been omitted from the plot for clarity. Plot 9.4 shows the variation in the value of UT1 - TAI in seconds of time for the period from 1979 through 1990 with a linear term removed. This term was determined by least squares to be a slope of approximately -563 ms/yr. Formal errors of the points are of the order of 30 to 300 μs. Once again, error bars have been omitted for clarity. The pole position and UT1 - TAI plots include all relevant data (fixed station CDP, POLARIS, Navnet, and IRIS).

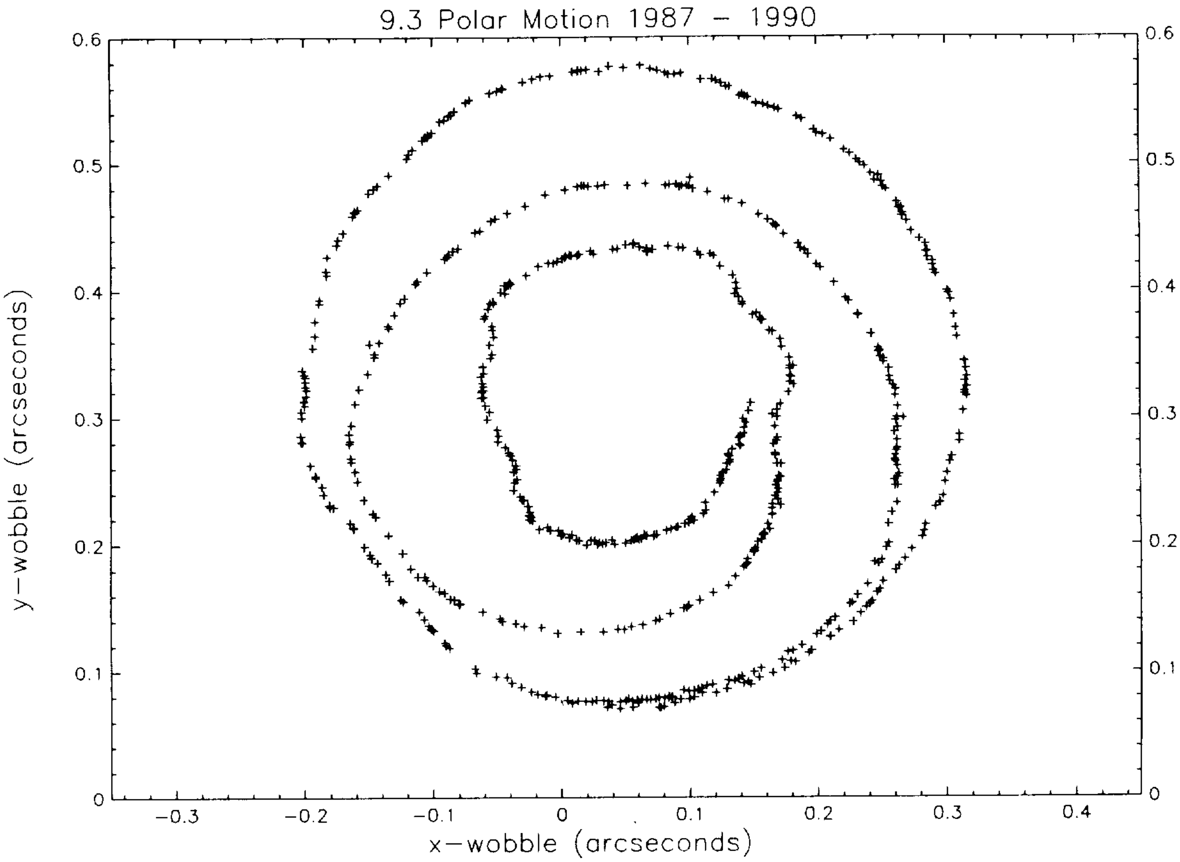
Plot 9.5 shows the nutation offsets $\Delta\epsilon$ and $(\sin\epsilon)*\Delta\psi$ from the 1980 IAU nutation series, estimated in solution GLB751 for the period 1979 through 1990. The longitude values have been multiplied by the sine of the obliquity of the ecliptic for plotting only. The values of the longitude and obliquity are in units of arcseconds with formal errors of the order of 0.8 to 3 milliarcseconds in longitude and 0.3 to 1.3 millliarcseconds in obliquity. As with the Earth orientation parameters, error bars have been omitted for clarity.

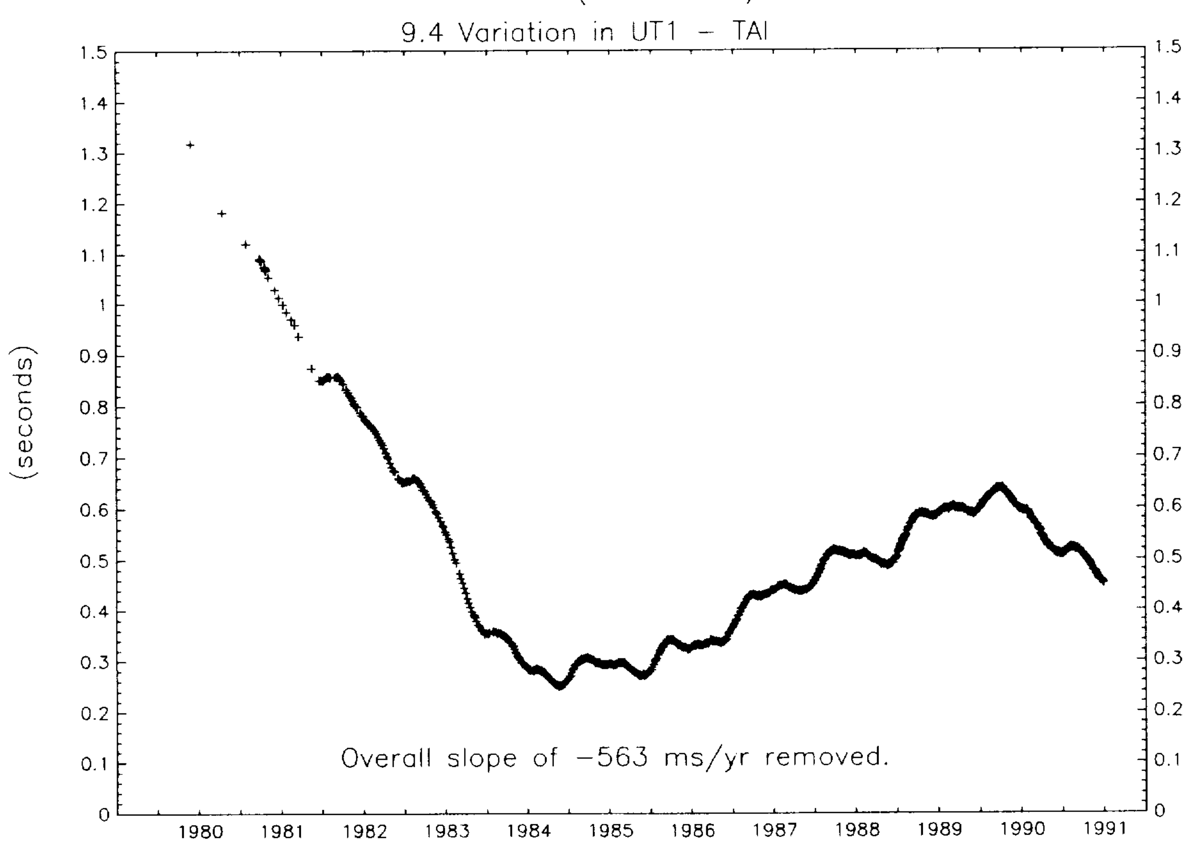
The actual data plotted in 9.1 through 9.5 are available, without the linear term removed from UT1 - TAI, in the machine-readable version in a modified IERS format. The tabulated values in machine-readable form include the formal errors, the weighted rms delay in ps for the corresponding session, and the correlations among the earth orientation and nutation parameters.

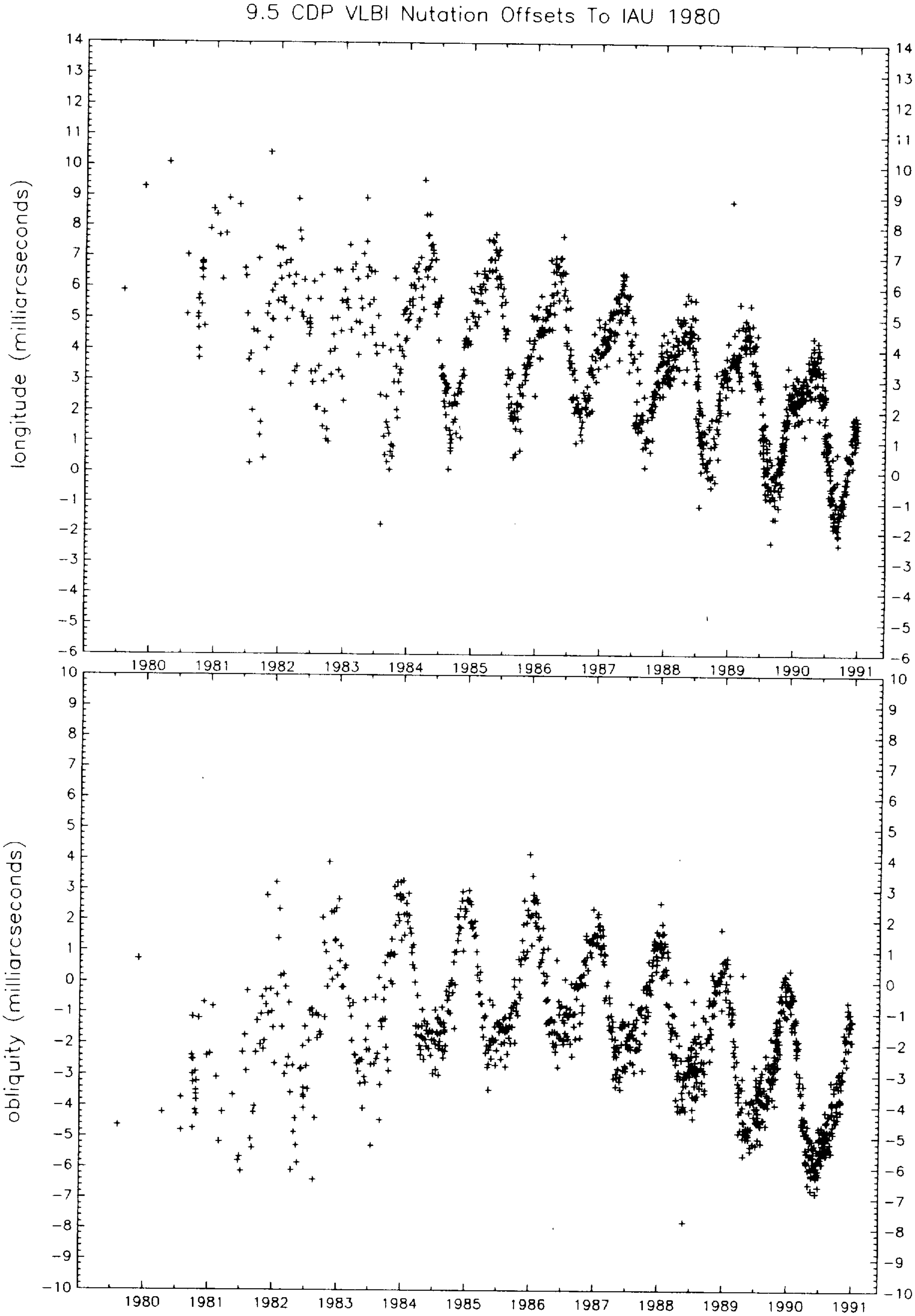
Rates for the Earth orientation and nutation parameters are also tabulated in the machine readable form.


9.1 Polar Motion 1979 – 1983
y−wobble (arcseconds)
x−wobble (arcseconds)
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.3
−0.2
−0.1
0
0.1
0.2
0.3
0.4


9.2 Polar Motion 1984 – 1986
y−wobble (arcseconds)
x−wobble (arcseconds)
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.3
−0.2
−0.1
0
0.1
0.2
0.3
0.4


9.3 Polar Motion 1987 – 1990
y–wobble (arcseconds)
x–wobble (arcseconds)
0
0.1
0.2
0.3
0.4
0.5
0.6
−0.3
−0.2
−0.1
0.1
0.2
0.3
0.4


9.4 Variation in UT1 – TAI
(seconds)
Overall slope of −563 ms/yr removed.
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991


9.5 CDP VLBI Nutation Offsets To IAU 1980
longitude (milliarcseconds)
obliquity (milliarcseconds)
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991

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13. ABSTRACT *(Maximum 200 words)*

The Goddard VLBI group reports the results of analyzing 1412 Mark II data sets acquired from fixed and mobile observing sites through the end of 1990 and available to the Crustal Dynamics Project. Three large solutions were used to obtain Earth rotation parameters, nutation offsets, global source positions, site velocities, and baseline evolution. Site positions are tabulated on a yearly basis from1979 through 1992. Site velocities are presented in both geocentric Cartesian and topocentric coordinates. Baseline evolution is plotted for 175 baselines. Rates are computed for Earth Rotation and nutation parameters. The report includes 104 sources, 88 fixed stations and mobile sites, and 688 baselines.

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