

Fluid Inclusion Stratigraphy (FIS) data for the following northern Alaska exploratory oil/gas wells:

Exxon Corporation Canning River Unit Block A-1 (from cutting samples, 3,010' – 6,290'),
Exxon Corporation Canning River Unit B-1 (from cutting samples, 2,930' – 10,750'),
ARCO Alaska Inc. Kavik No. 1 (from cutting samples, 280'-9,320'), and
ARCO Alaska Inc. Kavik Unit No. 2 (from cutting samples, 230'-7,480') with

Appendix A, Explanation of technique, 22 pages.



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Total of 99 pages in report

Alaska Geologic Materials Center Data Report No. 305

Fluid Inclusion Data - Part 1
Canning River A-1
UWI - 5017920050000

Top 3010
BTM 6400

depth	total	CO2	H2S	H2S/H2S+CH4	4/4+2	Air	C2H6/C2H6+CH4	CH4	C2H6	AceticAcid	Benzene	Toluene
3010	13680000	7151000	0	0	0	2	0.03	419000	14300	243	502.3	387.2
3080	19160000	10160000	0	0	0	2	0.03	762500	20090	1089	594.2	445.8
3100	18350000	8992000	0	0	0	1	0.03	1675000	58150	715.7	1867	1091
3200	6250000	2096000	0	0	0	1	0.03	665900	21680	878.5	498.9	441.4
3280	48430000	17930000	1830	0	0	2	0.02	3889000	97290	29040	2984	1518
3300	52100000	19610000	9130	0	0	1	0.03	4929000	169500	35110	4543	2652
3380	16610000	6556000	0	0	0	2	0.05	1390000	69700	1626	892.3	712.3
3400	10670000	3140000	0	0	0	0	0.08	843800	53820	269	744.8	273.2
3500	18820000	3411000	0	0	0	1	0.04	2659000	102800	736.5	1219	1084
3600	6745000	1403000	2696	0	0	1	0.03	1035000	28620	258.5	532.2	360.9
3700	15300000	2019000	0	0	0	2	0.01	4084000	58280	736.2	574.7	652.6
3800	5857000	1330000	0	0	0	0	0.02	808400	19360	392.5	394.5	336.2
3890	5604000	1217000	3046	0	0	1	0.03	766100	26580	427.5	367.2	156.9
4000	7006000	1691000	0	0	0	2	0.03	935400	26330	371.9	633.6	526.4
4050	8439000	1464000	21220	0.02	0	1	0.03	1355000	40330	75.29	423.1	530.1
4100	6368000	1447000	12890	0.03	0	1	0.05	464900	24620	180.1	311.1	524.6
4150	8236000	1590000	0	0	0	1	0.04	1245000	58000	856.3	311.2	316.2
4200	12890000	2373000	1698	0	0	0	0.03	2703000	72990	871.5	2385	4036
4250	16260000	3055000	24040	0.01	0	1	0.01	2782000	34040	18250	616.2	764.4
4300	128500000	7361000	170.9	0	0	2	0.04	16650000	708300	39710	120600	308600
4350	47590000	6186000	13300	0	0	0	0.02	9240000	183400	24680	1189	1304
4400	109500000	18930000	437500	0.07	0	2	0.17	5478000	1111000	142900	19580	29800
4450	104100000	22590000	101700	0.02	0	1	0.17	5523000	1107000	108700	10410	10520
4500	61030000	9901000	7663	0	0	1	0.02	11410000	2268000	7628	2993	4487
4550	17070000	7362000	0	0	0	1	0.02	1344000	33480	852.1	826.6	932.5
4600	42340000	15350000	7950	0	0	1	0.03	4426000	127500	2850	1930	2792
4650	47610000	16670000	0	0	0	2	0.04	4633000	184300	2031	2360	2416
4700	64510000	20780000	0	0	0	2	0.03	8520000	227100	6634	2085	2248
4750	52540000	27080000	22910	0.01	0	1	0.02	3486000	73010	25540	1615	1959
4800	27590000	10670000	20280	0.01	0	1	0.02	2615000	62940	1168	1207	1382
4850	15750000	5407000	3619	0	0	1	0.01	1495000	21760	941.3	1172	619.2
4900	17540000	5865000	4206	0	0	0	0.03	1987000	62450	3765	1199	1620
4950	12080000	2871000	0	0	0	2	0.01	1722000	22650	581.6	988.7	1063
5000	20250000	4204000	0	0	0	2	0.02	3184000	71720	1021	1294	1248
5050	63360000	28830000	4215	0	0	1	0	9828000	29930	8951	2182	1835
5100	37250000	15960000	0	0	0	2	0.01	4005000	44600	2148	1485	1648
5150	35630000	13590000	7065	0	0	1	0.01	4108000	61940	1190	839.3	635.2
5200	39350000	18950000	0	0	0	2	0.01	3478000	41900	1504	822.9	1059
5250	26720000	13670000	1370	0	0	1	0.01	1803000	26480	978.6	678.5	988.9
5300	21780000	9192000	0	0	0	2	0.02	1862000	43080	910.4	959.1	1225
5350	10260000	3688000	16000	0.02	0	0	0.01	1015000	13860	215.6	339	29.86
5400	6692000	1754000	523.9	0	0	0	0.02	882500	20660	498.1	313.8	786.2
5450	18870000	9611000	0	0	0	0	0.01	1169000	12470	708.1	409.8	332.6
5500	19910000	10930000	21730	0.07	0	1	0.05	299600	16450	415.8	615	391.2
5550	15440000	4702000	0	0	0	2	0.01	2309000	25830	802.7	1318	482.2
5600	23420000	8851000	0	0	0	2	0.01	2362000	20910	899.7	1120	627
5650	62000000	31630000	19090	0	0	1	0.01	4286000	37480	3651	2713	1403
5700	22810000	7468000	13480	0.01	0	2	0.01	916500	6613	1094	1187	412.1
5750	33520000	9478000	30860	0.02	0	2	0	1380000	5500	1025	956.1	487.4
5800	23250000	8020000	0	0	0	2	0.01	454800	4166	1106	554.1	386.6
5850	36260000	12160000	14290	0.01	0	3	0.01	1214000	9141	11100	955.4	885.8
5900	22270000	9942000	3590	0.01	0	3	0.01	510300	5031	1904	527.6	100.3
5950	31500000	17960000	0	0	0	3	0.01	491100	5455	2929	792.1	409.3
6000	13440000	5136000	0	0	0	3	0.01	522400	3903	1184	356	296.8
6050	18150000	6734000	0	0	0	3	0.01	305500	2831	1289	300.7	236.2
6100	32110000	11500000	12090	0.02	0	3	0.01	626500	4968	1320	658.1	468.1
6150	77040000	26100000	24050	0.01	0	3	0.01	2546000	17740	7585	1584	1533
6200	69410000	28010000	3132	0	0	3	0	3013000	12790	10160	752.8	554.4
6290	130900000	29600000	24410	0	0	2	0	22440000	44410	17410	1373	676.9

Fluid Inclusion Data - Part 1

Top 3010
BTM 6400

Canning River A-1

UWI - 5017920050000

depth	60/60+57	78/78+91	Parafins57	57/57+15	AlkNaphth	57/57+55	97/97+91	77/77+71	S2+HCs	CS2+HCs	97/15+97	C5-C13	C6-13/C1-5
3010	0.08	0.54	2956	0.01	310.2	0.43	0.81	0.05	305	185	0.74	4	0.71
3080	0.18	0.55	4919	0.01	292.7	0.53	0.56	0.06	555.1	372.6	0.98	4	0.78
3100	0.03	0.61	24050	0.01	1655	0.51	0.75	0.02	530.9	390.2	0.99	8	0.88
3200	0.28	0.51	2252	0	469.8	0.41	0.68	0.05	30.41	162.8	0.71	4	0.88
3280	0.58	0.64	21450	0.01	991.7	0.56	0.56	0.03	1334	1269	0.25	8	0.79
3300	0.34	0.61	68620	0.01	3225	0.58	0.71	0.02	1377	1505	0.65	9	0.87
3380	0.06	0.54	24180	0.02	985.4	0.59	0.73	0.01	477.1	473.5	0.71	8	0.81
3400	0.02	0.72	10950	0.01	365	0.57	0.72	0.02	505.3	261	0.43	4	0.75
3500	0.01	0.51	51070	0.02	1793	0.59	0.77	0.01	565.6	511.5	0.67	8	0.87
3600	0.04	0.58	6798	0.01	160.8	0.47	0.47	0.03	161.1	360	0.16	4	0.81
3700	0.05	0.45	12650	0	382.1	0.55	0.54	0.02	234.3	204.9	0.09	4	0.81
3800	0.12	0.52	2754	0	111.7	0.47	0.4	0.04	367.1	210.7	0.14	4	0.72
3890	0.09	0.68	4183	0.01	201.6	0.53	0.72	0.03	0	103.3	0.26	4	0.74
4000	0.04	0.53	8673	0.01	658.8	0.47	0.71	0.03	51.22	566.3	0.7	4	0.97
4050	0.01	0.42	5147	0	280.7	0.58	0.51	0.02	303.1	64.97	0.21	4	0.74
4100	0.05	0.35	3511	0.01	38.74	0.54	0.13	0.03	32.76	121.2	0.08	4	0.68
4150	0.1	0.48	8069	0.01	262.7	0.6	0.62	0.02	332.4	160.4	0.21	4	0.7
4200	0.01	0.35	61440	0.02	4943	0.49	0.71	0.02	357.9	749.5	1.83	12	1.21
4250	0.59	0.43	8072	0	261.6	0.51	0.4	0.02	257.4	499.2	0.09	4	0.77
4300	0.02	0.26	1853000	0.1	111800	0.62	0.42	0.1	18900	33490	6.67	13	1.65
4350	0.4	0.46	36600	0	1278	0.64	0.66	0.01	747.9	1116	0.14	7	0.81
4400	0.33	0.38	288300	0.05	21950	0.66	0.59	0.01	30250	13440	3.99	13	1.34
4450	0.38	0.48	177500	0.03	5386	0.7	0.5	0.02	14580	8963	0.97	12	1.14
4500	0.08	0.38	92960	0.01	2393	0.68	0.51	0.01	1875	1740	0.21	11	1.03
4550	0.04	0.45	18150	0.01	397.2	0.61	0.46	0.02	424.2	394.6	0.3	4	0.91
4600	0.04	0.39	66970	0.01	1325	0.68	0.48	0.01	1388	896.4	0.3	9	0.95
4650	0.02	0.47	105100	0.02	1833	0.7	0.6	0.01	1660	1511	0.4	9	0.99
4700	0.13	0.46	56620	0.01	1184	0.69	0.51	0.01	1454	1940	0.14	7	0.88
4750	0.48	0.43	27950	0.01	1282	0.6	0.56	0.01	1732	2211	0.37	8	0.88
4800	0.05	0.45	24240	0.01	831	0.65	0.54	0.01	1095	778	0.32	6	0.91
4850	0.1	0.63	8094	0.01	368.7	0.58	0.54	0.03	541.6	746.1	0.25	4	0.81
4900	0.14	0.4	23930	0.01	1040	0.56	0.56	0.03	630.6	1193	0.52	7	0.9
4950	0.08	0.46	7082	0	505.1	0.5	0.48	0.04	726.2	279.4	0.29	4	0.8
5000	0.05	0.49	18240	0.01	959	0.51	0.6	0.02	373.2	755	0.3	6	0.81
5050	0.49	0.52	9206	0	499.2	0.58	0.35	0.05	1020	2500	0.05	4	0.87
5100	0.18	0.45	3988	0	526	0.62	0.39	0.02	810.7	562	0.13	4	0.81
5150	0.08	0.55	13930	0	323	0.68	0.5	0.02	378.2	647.4	0.08	4	0.7
5200	0.12	0.42	10700	0	473.3	0.6	0.47	0.02	515.8	650.9	0.14	4	0.72
5250	0.12	0.39	7189	0	292.2	0.59	0.37	0.03	222.8	485.1	0.16	4	0.77
5300	0.03	0.42	28740	0.02	537.5	0.69	0.46	0.02	154.7	471.6	0.29	4	0.88
5350	0.06	0.91	3284	0	74.77	0.71	0.83	0.03	426.2	104.7	0.07	4	0.71
5400	0.07	0.27	6808	0.01	425.1	0.58	0.51	0.03	0	222.2	0.46	4	0.68
5450	0.28	0.53	1787	0	317.6	0.41	0.65	0.02	336.1	249.1	0.27	4	0.69
5500	0.09	0.55	4357	0.01	272.1	0.65	0.58	0.04	507.9	399.2	0.91	4	0.65
5550	0.12	0.71	6116	0	224.4	0.57	0.46	0.03	276.3	148.7	0.1	4	0.63
5600	0.08	0.82	11040	0	147.3	0.75	0.32	0.04	551.8	510.1	0.06	4	0.66
5650	0.16	0.64	19440	0	531.3	0.66	0.43	0.03	1060	1243	0.12	4	0.81
5700	0.49	0.72	1123	0	152.1	0.52	0.42	0.16	732.6	480.1	0.17	4	0.69
5750	0.47	0.64	1135	0	131.7	0.33	0.35	0.11	1665	664.8	0.1	4	0.64
5800	0.67	0.57	555.9	0	83.97	0.33	0.3	0.05	1561	466	0.18	4	0.66
5850	0.93	0.5	792	0	285.6	0.26	0.39	0.12	2852	644.5	0.24	4	0.63
5900	0.97	0.83	67.32	0	60.34	0.13	0.54	0.09	1641	215.6	0.12	4	0.57
5950	0.84	0.64	565.1	0	151.5	0.2	0.42	0.07	1016	467.1	0.31	4	0.61
6000	0.64	0.52	665.1	0	144.7	0.29	0.49	0.09	923.8	132.3	0.28	4	0.59
6050	0.58	0.54	942.4	0	138.9	0.69	0.53	0.07	814.2	61.75	0.45	4	0.62
6100	0.77	0.56	393.6	0	93.55	0.16	0.28	0.05	2460	293.8	0.15	4	0.69
6150	0.7	0.49	3229	0	280.8	0.41	0.26	0.07	9331	1883	0.11	4	0.75
6200	0	0.55	0	0	238.5	0	0.46	0.13	5076	1247	0.08	4	0.64
6290	0.97	0.65	530.3	0	331.9	0.21	0.49	0.04	3975	3031	0.01	4	0.61

Fluid Inclusion Data - Part 2
 Canning River A-1
 UWI 5017920050000

Top = 3010
 Bin = 6400

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MZ

Depth	AMU25	AMU26	AMU27	AMU28	AMU29	AMU30	AMU31	AMU32	AMU33	AMU34	AMU35	AMU36	AMU37	AMU38	AMU39	AMU40	AMU41	AMU42	AMU43	AMU44	AMU45	AMU46
3010	1770	3929	27140	76000	1803000	42530	14300	0	236.9	502	0	886.1	387.1	2184	3225	13990	5520	21570	10210	313700	7151000	156200
3080	1457	5718	37010	106100	2270000	57710	20090	209.2	3352	0	0	512.1	1059	2304	3758	16950	5889	27700	13990	498800	10160000	216900
3100	2217	19360	105400	211100	2386000	191300	58150	194.4	697.9	2032	0	0	1332	4856	15320	76510	17000	112200	61710	423000	6992000	161100
3200	1870	5587	36580	77750	1145000	49990	21680	93.04	372.7	0	0	0	0	1450	1616	12700	2962	17200	7301	114300	2096000	44710
3280	2893	20940	136100	449600	7505000	275200	97290	1381	35280	0	1830	0	1452	7726	15420	72940	31960	111000	70820	2321000	17930000	961300
3300	3945	43970	247500	583100	6614000	541400	169500	2470	30720	3679	9130	1234	2274	18100	39550	192700	54830	291800	169000	1648000	19610000	647500
3380	2944	20820	119500	228500	2388000	220500	69700	268	2628	573.7	0	1320	0	5976	16300	83450	18220	119600	59460	428400	6558000	153400
3400	2207	17240	88870	161700	2238000	147300	53820	167.6	0	0	0	564.7	1127	5189	12600	54500	15140	70680	36280	228500	3140000	52220
3500	4416	33620	186200	457900	3095000	401700	102800	719.2	86.9	462.1	0	544.5	1910	13080	32280	154400	33430	221300	121400	351400	3411000	70060
3600	524	8786	55740	109400	1304000	102400	28620	57.13	1920	208.9	2896	0	592.4	2522	7407	37680	10800	53700	24710	100500	1403000	24550
3700	2363	16020	98050	195600	1770000	176800	58280	426.5	4837	329.8	0	0	1985	3400	9925	58020	13960	74730	36850	160600	2019000	47830
3800	1535	4941	34780	69440	937900	49680	19360	46.41	0	3549	0	110.3	0	1179	2242	16970	4431	22020	10780	80590	1330000	26660
3890	1655	6661	46520	83680	1164000	73390	26560	0	2208	0	3046	0	249.1	2569	2850	24220	6352	32830	14330	76420	1217000	26530
4000	1840	7039	47950	92940	1176000	79770	26330	10.3	1182	0	0	0	0	1832	5758	33740	10410	49220	22890	107900	1691000	35860
4050	1337	8492	67880	105600	1395000	107100	40330	60.8	2074	2503	21220	471.7	1694	1574	4863	31320	10510	39900	16230	90750	1464000	31720
4100	930.8	6706	39710	87520	992500	63140	24620	60.7	1974	780.1	12890	1112	938.9	2486	3943	18070	8997	25040	11570	94960	1477000	31720
4150	2463	14950	90330	149900	1551000	132300	58000	480.5	1601	0	0	0	521	2549	7325	40120	12530	55250	25550	111200	1590000	36730
4200	2754	21400	124300	303800	1868000	273100	72990	550.4	494.9	1394	1698	348.6	96.57	9580	27570	131600	34130	207600	110400	263700	2373000	57710
4250	1458	9304	60060	126600	1618000	107100	34040	151.8	2490	1409	24046	0	841.6	4265	7388	34990	9063	50090	22520	175900	3055000	70610
4300	25600	189200	1148000	4062000	16500000	4475000	708300	9061	17720	11170	170.9	0	18450	184200	399200	2021000	658700	4163000	2691000	5757000	7381000	291400
4350	6670	49850	278900	595400	4703000	489300	183400	2392	11080	4909	13300	704.8	2018	11620	32810	132500	33900	195100	103700	437400	6186000	156500
4400	34040	233400	1423000	3029000	22440000	2829000	1111000	16780	19910	54050	437500	0	8360	55560	123900	538900	128200	893100	553500	2536000	18930000	2195000
4450	29500	205200	1273000	2723000	22150000	2624000	1107000	16770	39550	18420	101700	0	5945	45910	103200	433600	118000	732000	440100	2278000	22590000	1654000
4500	6048	61160	353500	772900	5676000	654600	226800	2301	14040	0	7663	163.1	1409	21090	46460	222600	60830	350400	203300	769500	9901000	278200
4550	1935	8387	58240	143100	2157000	114100	33480	308.2	388.4	869.1	0	0	1350	3356	6891	46720	16540	74470	42070	374500	7362000	182100
4600	5802	42380	220700	541700	4596000	419200	127500	1384	12700	689.4	7950	0	1814	13030	35270	159300	40680	250100	138300	977100	15350000	365600
4650	5800	52220	303100	698000	5743000	598500	184300	1721	10510	1673	0	0	2242	25040	58800	256200	68990	405000	228000	1097000	16670000	436400
4700	10900	67950	322500	675900	6774000	559500	227100	2455	21580	4462	0	0	1390	13060	33730	162400	49910	234700	126000	1191000	20780000	539900
4750	2517	17310	111000	303800	4930000	198500	73010	1195	27740	1180	22910	0	886.1	4804	12480	75820	26090	118100	69490	1466000	27080000	674100
4800	2426	19610	107800	221800	2729000	166700	62940	629.7	921.3	0	20280	0	282.6	3414	9191	54250	20550	92320	51410	585100	10670000	260100
4850	1231	7079	42350	128700	1796000	70380	21760	0	9561	0	3619	722.8	983.5	1535	4273	26560	9308	37170	21550	308000	5407000	124200
4900	3249	17280	106900	211500	2377000	193700	62450	552.7	0	1628	4206	64.56	1425	4672	13140	70930	15470	106600	55210	315800	5885000	114500
4950	1237	5361	40640	81300	1381000	73290	22650	297	3362	0	0	0	389.7	934	3300	28840	6771	40250	19160	138500	2871000	54520
5000	3141	24610	123400	222800	2402000	215900	71720	237.7	3840	2173	0	633.2	1027	5274	11750	70160	15680	99410	52290	251900	4204000	78460
5050	1991	6385	43390	222400	5167000	78080	29930	204.3	18610	202.4	4215	0	308.6	1728	3955	24560	16400	41220	21620	1268000	28830000	755300
5100	1307	10760	74560	167700	3396000	114500	44600	0	6558	0	0	0	439.9	710.2	5190	34380	13310	53130	27020	646900	15960000	306200
5150	3813	14580	99290	200000	3367000	140900	61940	691	5478	478.9	7065	749.8	2045	4497	6300	39940	13640	63720	31070	578000	13590000	269300
5200	15.07	7762	70470	205800	3402000	120100	41900	260.2	10350	0	0	0	0	1828	5339	32690	15170	56260	30570	933500	18950000	509900
5250	2125	7210	40010	147900	2600000	80000	26480	349.8	4350	3581	1370	0	207.6	3193	4387	22990	11310	39800	22150	804700	13670000	319100
5300	2539	11860	76890	174600	2422000	161400	43080	199.1	3133	1235	0	0	166.2	4994	11370	64490	17270	110500	62440	457900	9192000	227200
5350	2364	3131	25990	65320	1187000	39670	13860	138.2	432	786.5	16000	513.3	0	133.8	1300	11900	7634	20050	8092	178900	3688000	88740
5400	923.4	4351	38960	87090	1086000	74230	20660	0	0	161.8	523.9	972	16.6	1471	4168	24550	7565	39040	17440	102100	1754000	40770
5450	973.9	2211	23200	104600	1929000	38740	12470	256.1	0	1603	0	0	0	1067	11310	5705	16470	7068	494100	9611000	190300	
5500	2323	3194	27310	116800	2372000	54520	16450	0	424.5	0	21730	0	2174	1429	2489	20620	9224	24780	12630	304300	10930000	212000
5550	1261	4256	45530	109000	1796000	82000	25630	0	1532	218.8	0	0	145.3	0	3622	30280	7699	41000	19830	198300	4702000	83140
5600	1573	3209	34520	130500	2137000	63730	20910	101.7	3738	0	0	0	770.2	1590	3055	25740	11150	42810	23550	458800	8851000	208500
5650	1717	10230	62180	277100	5872000	131600	37480	325.8	21520	979.4	19090	1135	1160	2175	8816	43520	20600	80340	48430	1741000	31630000	86200
5700	2144	2247	11410	64310	1485000	19570	6613	673.2	36590	1568	13480	1519	939.5	737.2	2114	7588	8334	11110	3672	283900	7488000	155600
5750	862.3	550.1	6706	66550	1704000	18850	5500	1206	64380	628.8	30860	1179	980.5	1590	1204	4935	9504	9761	4202	371100	9476000	208600
5800	1817	895.4	6387	48750	1349000	15590	4166	749.8	46090	383.8	0	0	1212	1076	1422	4186	3717	6421	3000	312800	8020000	183000
5850	1071	2422	8605	91340	1952000	26900	9141	1871	116600	3020	14290	0	938.9	1251	1753	7181	10560	13820	6611	568600	12160000	370800
5900	1733	1879	6722	66060	1511000	19330	5031	456.4	29560	0	3580	0	122									

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Depth	AMU47	AMU48	AMU49	AMU50	AMU51	AMU52	AMU53	AMU54	AMU55	AMU56	AMU57	AMU58	AMU59	AMU60	AMU61	AMU62	AMU63	AMU64	AMU65	AMU66	AMU67	AMU68	AMU69	
3010	18360	427.3	3402	4173	4521	3283	4169	4296	1159	3992	3069	2956	909.2	0	243	23.26	110.2	110.7	306	276.1	502.2	630.1	564.5	
3050	27370	758.6	0	1373	2844	2841	2057	2723	1992	4396	5613	4919	871.5	1103	1089	98.47	194.2	108.2	555.1	208.3	579.3	789.9	939.2	
3100	19000	32.96	2640	3362	4150	5304	3464	5604	2728	23000	23350	24050	5003	4795	715.7	173.5	313.6	552.9	530.9	927	970.4	2208	2515	
3200	5417	111	1513	915.2	2885	1972	2649	2995	688.9	3242	3071	2252	766.3	0	878.5	0	153.5	98.64	30.41	133.6	401.9	566.5	841.5	
3280	131000	1496	6030	2942	4249	6686	4633	5301	3109	16510	18740	21450	5328	10010	29040	793.7	1951	338.4	1334	682.5	779.8	2082	1883	
3300	80910	1254	1224	3103	6566	10820	4305	9217	3097	48740	56500	68620	14960	11560	35110	1325	3135	874.3	1377	1516	1946	3938	5247	
3380	19310	535.7	3202	2679	2623	3302	4331	4815	3245	16890	19370	24180	4551	3543	1626	100.1	823.7	458.9	477.1	576.5	634	1582	1796	
3400	5377	0	3832	1194	5198	4454	3788	4376	3401	8131	7216	10950	2900	0	269	95.29	211.6	180.4	505.3	418.7	320.1	796.5	866.2	
3500	7847	160.7	0	411.7	6780	7712	5829	12220	4784	34820	42590	51070	10190	1568	736.5	207.7	658	681.8	565.6	1043	1359	3141	3325	
3600	2087	272.6	2315	1424	2433	1727	2195	1571	1639	7701	6835	6798	2562	218.9	258.5	25.54	132	293.7	161.1	263	181.8	751.1	910.7	
3700	5186	418.6	0	1127	2171	2823	2131	1345	2195	10340	8671	12650	3433	6676	392.2	94	297.7	130.2	234.3	424.6	448.2	767.9	943.1	
3800	3474	0	1284	2741	2969	936.7	984.3	1977	1259	3137	2718	2754	760	0	392.5	40.94	42.05	93.7	367.1	73.77	82.09	412	228.1	
3890	2168	0	0	2921	1616	2510	1670	3021	1687	3675	2829	4183	1067	0	427.5	21.71	30.64	75.81	0	257.1	210.2	427.2	395.1	
4000	3654	896.4	0	1010	1974	1903	2210	3539	1424	9649	9927	8673	1858	2153	371.9	92.17	206.2	214.7	51.22	514.6	750.5	1240	1433	
4050	2391	0	4179	398.8	2624	1902	833.7	1270	0	3679	3878	5147	1113	9399	75.29	39.08	133	155.7	303.1	178.4	129.2	563.1	617.5	
4100	3172	0	1219	1336	2674	2070	1302	0	0	2936	2929	3511	1380	1306	180.1	26.18	38.27	35.34	32.76	114.5	241.3	444.7	386.1	
4150	4015	609.3	0	1566	1748	2382	4137	2642	2566	5405	5630	8069	1826	3533	856.3	75.07	158.3	160.5	332.4	203.5	226	476.9	560.9	
4200	5021	424.8	924.5	3083	8405	10560	4476	10720	7208	63820	63990	61440	8602	1706	2909	18250	304	1230	113	257.4	295.1	286.4	836.6	516.2
4250	6301	824.8	744.8	2768	1108	3653	2440	3186	1955	7726	4642	8072	1706	2909	18250	304	1230	113	257.4	295.1	286.4	836.6	516.2	
4300	22520	1047	13270	28030	148600	204000	92750	237700	170400	1148000	1465000	1853000	259100	138900	39710	125900	30870	41900	18900	75200	56720	119200	201500	
4350	14910	0	1358	3283	5318	4916	4799	4592	3191	20330	25580	36600	8259	10240	24680	582	1728	400.4	747.9	739.4	711.8	1684	1947	
4400	154900	5167	19010	6586	24490	28510	13140	30690	17810	146700	181400	208300	55640	101600	142900	8773	19580	4230	30250	6567	8042	14060	20710	
4450	134000	4080	3185	4210	23800	22540	8706	19120	6739	75480	108700	177500	46700	37110	108700	3152	7146	1846	14580	3038	4155	6443	8707	
4500	29100	268.9	3663	2889	7850	12640	3363	11070	4144	43180	10640	92960	18350	10500	7828	335.3	1393	837.6	1875	1583	1980	4182	3952	
4550	21990	199.9	0	2267	1228	838.9	982.7	1753	2108	11400	13190	18150	3170	0	852.1	107.2	319.6	243.2	424.2	606.2	676	1055	1430	
4600	51740	1892	7121	5005	6772	6891	1284	7583	3057	32040	40680	65970	10890	7951	2850	301.5	622	530.3	1386	930.6	1394	2444	2409	
4650	57310	1479	7364	3838	11290	11090	4208	11210	2116	44900	66160	105100	17180	8221	2031	330.6	1084	807.7	1660	1368	1403	3100	2698	
4700	69320	708.8	11030	4261	5885	5109	3726	3298	2429	24970	33020	56620	8746	13930	8634	466.7	1143	541.2	1454	792.3	1187	1800	1728	
4750	111600	1512	5324	2562	3242	3175	3685	4330	2551	18850	20200	27950	4109	11710	25540	604.9	2616	403.7	1732	565.9	879.2	2093	2167	
4800	38310	1928	2469	2887	3480	1972	2502	3690	3840	13190	19450	24240	3061	3466	1168	146.4	595.3	272.7	1095	521.3	452.4	1377	1523	
4850	16510	109.7	120.4	2049	1320	1532	2281	1848	1565	5886	5864	8094	1139	3209	947.3	64.22	213.7	98.33	541.6	241.3	346.4	912.9	753.9	
4900	14390	1495	5494	5233	4000	4042	3192	4511	4336	18450	20240	23930	4839	1588	3765	221	466.1	390.7	630.6	729.6	993.9	2137	2265	
4950	5798	0	3499	1146	2932	417.8	2109	2107	2271	6954	7389	7082	1363	0	581.6	87.58	184.1	267.8	726.2	558.3	463.6	725.7	654.1	
5000	93.8	21.89	27.12	27.1	46.23	36.36	99.1	30.1	11.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	
5050	104300	147	0	1343	188.1	1880	3340	1313	1080	77.16	4.27	4.28	13.6	0	63.1	27.5	14.3	25.4	10.76	45.1	13.3	1120	1095	
5100	21100	21.8	19.7	21.3	10.7	10.9	14.5	20.7	1.9	60.4	17.8	3.88	17.2	0	11.6	27.51	21.1	14.2	8.10	34.3	16.7	6.7	5.9	
5150	33560	1370	1531	3560	1073	4.42	963	31.1	274.1	16.50	4.02	13.60	18.5	11.13	1700	1.84	46.8	1.1	9.82	2.167	32.5	607.8	782.1	
5200	635.80	13.7	1.66	16.6	1.62	17.1	21.1	30.0	10.0	10.00	10.0	10.00	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	
5250	40660	711.9	800.7	833.1	7603	3206	1259	22.7	89.7	3.63	5.03	1.92	16.13	0	3.87	80.33	23.19	113.2	1.7	133.8	341.7	614.7	505.3	
5300	310.70	0.30	1.00	1.24	2.34	0	1.57	30.11	1.36	13.60	16.30	39.30	39.3	1.57	60.13	10.70	14.67	16.57	15.17	7.35	7.21	11.88	13.43	
5350	126.50	2.10	10.70	10.12	23.10	143	21.12	16.4	13.33	18.72	2.01	13.13	0	2.17	76.23	10.7	13.15	14.67	15.27	31.15	33.10	184.6	184.6	
5400	310.8	0	0	5.21	3.68	4.08	21.75	30.51	17.3	21.6	2.63	2.66	13.7	0	3.83	51.33	2.9	113.5	0	13.5	302.3	344.6	730.8	
5450	501.0	3.1	1.657	0	10.7	0	32.3	28.5	49.7	2.00	0.57	1.50	2.11	0	2.60	2.87	28.11	2.27	9.61	16.17	17.1	3.07	4.07	
5500	628.0	1.31	1.17	1.601	11.24	21.1	47.7	24.17	10.9	9.87	4.01	4.76	10.1	0	2.52	21.8	4.48	2.12	6.11	50.74	126.7	185.7	243.1	
5550	132.50	2.13	0	574.5	2123	2105	2685	1.58	13.7	47.00	1916	7.118	14.7	4.4	80.2	13.65	13.6	276.3	313.8	184.2	234.3	502.1	502.1	
5600	278.0	0	2.659	3.084	4.811	57.0	311.3	33.2	2.800	3518	12.67	110.10	11.68	0	83.7	44.15	114.6	136.5	531.29	197.6	253.7	509	42.8	
5650	119600	1262	0	871	3849	3478	3899	4179	3134	10020	12550	19440	3219	2702	3651	137	510.4	329.2	1060	445.6	956	1059	1157	
5700	19090	311	1671	1282	3605	1733	3095	1156	627.2	1048	1197	1123	256.2	0	1094	0	52.28	116.2	732.6	177	214.4	178.9	405.4	
5750	26050	94.36	10050	2356	4011	4601	4055	2991	2915	2256	772.5	1135	669	3837	1025	44.17	124.3	116.8	1665	69.51	310.9	214.3	250.6	
5800	20870	0	0	0	3923	601.3	253	3079	1242	1114	590.9	555.9	762.2	285.3	1106	0	49.04	66.45	1561	98.2	198.9	206.7	172.6	
5850	44030	440.8	1990	2571	3222	1909	2637	4257	2334	2217	1497	792	655.9	5351	11100	220.1	794.2	396.4	2852	211.5	188.1	439.7	719.9	
5900	32570	266.4	8540	690	3983	2802	2998	3211	1238	463.4	270.5	67.32	19.07	1132	1904	97.53	115.3	68.66	1641	69.01	230.7	261.6	279.7	
5950	64420	2660																						

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Depth	AMU70	AMU71	AMU72	AMU73	AMU74	AMU75	AMU76	AMU77	AMU78	AMU79	AMU80	AMU81	AMU82	AMU83	AMU84	AMU85	AMU86	AMU87	AMU88	AMU89	AMU90	AMU91	AMU92	AMU93
3010	1404	1304	846.8	174.1	16.11	67.62	8.3	185	476.1	502.3	336.4	177.9	560.4	451.6	820.4	765.7	246.1	62	7.5	0	18.87	120.5	387.2	103.9
3080	1523	1660	908.8	320.8	36.02	73.06	11.73	372.6	536.6	594.2	274	247.7	416.9	542.8	798.7	671.4	275.9	100.4	9.44	0	40.51	104.9	445.8	101.9
3100	6841	7422	5028	1732	184.5	153.6	76.13	390.2	1077	1867	787.5	691.3	1169	1823	3824	3238	1290	707.8	45.91	0	40.26	22.15	1091	373
3200	1333	1552	846.7	151.6	20.39	45.31	33.41	162.8	418.4	498.9	303.9	213.7	413.9	584.9	1002	796.4	262.2	37.4	3.73	19.54	40.74	366.8	441.4	277.9
3280	5982	5660	4400	1947	152.2	241.6	319.6	1260	1400	2994	593.9	548.6	942.3	1389	2979	2704	1143	454.7	34.26	62.4	113.5	295.9	1518	681.3
3300	16120	16800	13570	6021	643.3	378.8	270.4	1505	2802	4543	1336	587.9	1873	4076	8507	8850	3319	1777	107.9	0	125.6	254.8	2652	1056
3380	4532	6990	5129	1399	164.2	97.07	93.29	473.5	687	892.3	509	154.4	849.6	1429	2040	2257	1229	551.8	21.76	106.3	0	439.1	712.3	310.8
3400	1808	2660	2154	1053	102.4	39.46	55.95	281	481.8	744.8	288.8	162.1	302.3	606	858.2	997.4	519.4	253.1	10.49	0	41.77	65.77	273.2	156.4
3500	10610	11350	9492	3846	298.7	169.7	114.5	511.5	1075	1219	1073	467	1409	2694	5747	5518	2284	1100	67.15	0	165.7	222.5	1084	509
3600	1802	2343	1392	667.3	68.18	70.22	44.35	360	457.5	532.2	320.3	349.5	334.7	423	800.5	1326	326.9	160.8	11.07	108.4	0	54.19	360.9	147.7
3700	1735	2521	2109	794.3	69.85	54.28	32.82	204.9	403.9	574.7	214.3	152.8	572	752.8	1035	1053	498.1	233.1	18.73	73.2	51.19	19.49	652.6	129.1
3800	765	1161	783.1	218.2	24.29	10.16	20.05	210.7	330.4	394.5	153.6	142.7	330	214.3	412.8	330.3	333.4	84.77	2.98	0	55.15	12.79	336.2	93.83
3890	892.1	966	801.8	256.6	80.17	14.08	0	103.3	215.6	367.2	210.8	169.8	254.1	287.6	297	315.4	194.6	77.71	11.82	0	20.37	302.9	156.9	129.8
4000	2752	2883	1804	514.8	25.54	60.18	64.21	566.3	558.4	633.6	423.5	505.6	1048	926.7	1479	1881	558.2	177.6	13.03	57.25	51.99	261.8	526.4	245
4050	1012	1210	1173	281.5	28.56	60.22	14.47	64.97	261.7	423.1	129.8	76.63	313.8	390.5	560.2	482.1	365.1	71.22	5.33	76.13	14.86	175.4	530.1	148.5
4100	867.3	845.1	670.6	212.5	27.13	33.19	76.05	121.2	193.5	311.1	227.2	0	98.8	343.9	392	343	231	70.88	3.06	0	37.97	524.6	206.9	
4150	1560	1364	1519	465.7	34.81	39.71	32.66	160.4	300.3	311.2	139	137.5	205.9	357	594.1	706.1	519.7	91.01	16.78	79.72	0	181.3	316.2	63.28
4200	20530	21110	14070	3761	309.7	447.3	180	749.5	2510	2385	1857	1940	3564	5804	11650	9624	4780	1434	90.23	503.3	222.8	1568	4036	1796
4250	1820	2487	1988	524	55.85	45.03	11.82	499.2	441.8	616.2	217.3	259	442.8	469.8	701.1	880.1	387.2	155.4	2.22	0	4.5	169.3	764.4	75.18
4300	102200	100100	77540	52050	13860	10710	8129	33490	90090	120600	44390	33860	88130	155900	82630	86460	93010	64720	4925	9679	24400	93910	308600	150100
4350	5642	6909	6389	2712	187.8	122.2	87.72	1116	849.9	1189	614.8	137.8	759.2	1503	2783	2813	1294	709.3	44.23	305.1	0	223.9	1304	568.4
4400	85320	83750	79910	20350	1770	1155	1345	13440	10690	19550	6729	3145	8009	19190	37400	34160	24230	8532	502.3	892.7	1505	12410	29800	12490
4450	25050	34340	38120	13710	1329	705.7	1131	8963	6505	10410	2749	1327	2789	5215	13420	12650	8129	3808	215.1	159.6	437.3	4282	10520	5271
4500	13010	15790	18330	5400	628.2	272.3	177	1740	2316	2993	1041	752	1645	3135	5744	5976	4258	1930	107.7	38.2	232.1	155.1	4487	1879
4550	2797	3234	3249	1081	83.23	47.41	0	394.6	758.9	826.6	188.5	319.3	400.9	749.9	1172	1327	679.8	396.9	26.76	159.7	78.19	632.7	932.5	337.1
4600	7552	11660	13680	3907	293.8	219	147.3	896.4	1666	1930	836.2	567.6	808.5	1361	2967	3553	3488	1307	127.6	0	167.7	353.3	2792	877.7
4650	9087	15390	21690	6049	408.4	268.4	103.9	1511	1593	2360	762.1	368.8	1301	2423	5100	3314	5984	1950	105.8	33.08	181.6	315.3	2416	798.9
4700	5416	8183	11760	2949	221.1	177.5	173	1940	1294	2085	571	392.8	750.3	1355	2887	2600	2748	977.0	40.96	0.5	77.32	247.3	2248	942.2
4750	5445	7053	6515	1570	202	201.8	124.3	2211	1006	1615	544.1	406	965.5	1186	2932	2109	2365	690.9	36.31	0.04	164.5	76.12	1959	575.1
4800	4223	5053	5599	1297	48.05	94.55	74.68	778	825.4	1207	660.9	339.4	821.1	1091	1885	1935	1529	460.1	20.95	14.18	47.46	156.9	1382	374.7
4850	1609	2205	2178	616.8	36.59	92.83	27.11	746.1	601.6	1172	146.8	50.34	424.5	726.2	793	687.1	600.7	247.5	13.29	233	77.62	0	619.2	358.1
4900	4992	4923	4281	1421	107.3	112.7	72.72	1193	1338	1159	552.8	563.9	1452	1675	2828	3454	1388	567.6	28.64	0	60.65	16.52	1620	364.7
4950	1846	2169	1837	477	47.18	136.1	153.5	279.4	914.8	988.7	340.2	213.3	502.3	751.7	1077	883.1	621.6	126.6	30.4	4.91	31.92	155.5	1063	756.3
5000	4630	5158	4400	1507	93.17	78.49	17.66	755	928.6	1294	425.2	406.6	1003	1353	2764	2662	867.3	556.4	9.98	140.9	127.9	0	1248	754.2
5050	2383	3168	2792	807.8	135.6	222.3	194.4	2500	1465	2182	577.3	213.2	887.2	519.6	1419	1097	1019	285.6	12.15	0	171.9	0	1835	571.9
5100	1661	2566	2615	631.8	52.81	136.5	63.95	562	613.5	1485	277.4	127.8	291.1	522.9	934.9	851.8	701.8	194.5	17.86	0	54.39	37.38	1648	629.3
5150	2098	2965	2550	757.1	70.04	135.5	36.57	647.4	800.5	839.3	348	297.1	408.2	368	629.4	1055	569.4	327.8	35.07	0	0	241	635.2	329
5200	1602	2191	2270	833.5	66.55	37.46	63.48	650.9	538	822.9	220.6	216.2	398.5	335.5	790.4	753.2	504.2	261.3	8.65	0	11.29	1059	341.4	
5250	1074	1899	1436	518.1	97.94	76.34	17.46	485.1	505.4	678.6	304.2	247.8	355.7	529.9	622.5	688.3	307.4	136.4	9.95	0	0	988.9	44.45	
5300	3519	4758	4846	2191	189.6	107.3	63.69	471.6	644.5	959.1	293.5	280.2	591.1	1015	1643	1547	1423	706.5	26.93	432.2	120.6	146.3	1225	792.1
5350	644.5	992.9	552.1	227.4	19.63	62.11	56.45	104.7	203.8	339	90.4	62.67	157.9	265.3	230.2	286.2	165.3	41.9	1.62	0	8.24	203.4	29.86	241.6
5400	1536	1744	1147	477.3	83.95	54.2	27.17	222.2	378.2	313.8	250	351	380.8	524.7	795.4	718.6	460.6	181	38.75	376.8	3.53	0	786.2	79.81
5450	693.1	929.5	574.1	210.7	32.39	37.12	8.57	249.1	148	409.8	116.2	62.87	192.9	95.05	338.8	165	165.2	44.64	2.08	232.0	0	0	332.6	46.09
5500	976.4	1127	589.9	352.8	28.46	34.65	9.02	399.2	253.1	515	59.27	178.7	232.6	321.9	325.9	372.5	227.6	94.61	0	0	44.68	123.1	391.2	203.6
5550	1403	1500	1488	605	59.59	81.11	67.35	148.7	577.1	1318	249.5	342.6	407.7	263.3	718.2	663.9	315	207.6	17.77	148.8	64.46	305.2	482.2	394.1
5600	1160	1799	1981	644	97.66	137.1	48.32	510.1	899.5	1120	221.7	0	218.1	3394.5	644.7	511.3	533.5	278.4	0	0	212.9	627	239.3	
5650	3339	4834	4197	1428	182.9	184.9	161.4	1243	1376	2713	426.9	497.1	439.5	795.3	1589	1291	1320	488.3	34.58	31.28	64.24	110.1	1403	385.5
5700	448.1	750.9	233.3	118.9	41.09	64.29	0	480.1	502.5	1187	176.5	57.12	195	153.9	279.6	171.7	131.5	78.79	16.22	308.5	87.53	147.1	412.1	308.5
5750	494.5	692.9	428.9	77.87	27.8	44.01	93.35	664.8	589	956.1	225.2	107.6	240.7	74.02	181.8	172	150.3	22.75	2.73	1.15	18.49	386.2	487.4	267.9
5800	311.1	373.4	372.9	116.1	12.51	5.47	35.4																	

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Depth	AMU94	AMU95	AMU96	AMU97	AMU98	AMU99	AMU100	AMU101	AMU102	AMU103	AMU104	AMU105	AMU106	AMU107	AMU108	AMU109	AMU110	AMU111	AMU112	AMU113	AMU114	AMU115
3010	92.74	72.45	238.3	333.3	310.2	319	81.81	14.64	3.21	0	0	0	7.76	18.34	41.2	16.36	58.98	129.3	57.27	68.52	8.68	11.24
3080	41.24	143.3	235.3	243.9	292.7	275.2	72.46	32.15	0	84.24	0	0	165.5	32.99	0	42.03	7.25	92.29	102.1	134.9	11.78	3.1
3100	130.6	221.5	418.7	923.4	1655	1185	260.9	197	20.14	0	24.19	42.55	179.8	54.79	37.74	40.1	192	255.1	483.7	413.1	56.3	56.87
3200	114.3	133.2	158.1	308.3	469.8	235.4	129.5	25.47	0	0	0	101.7	85.19	2.72	21.19	60.86	90.19	31.29	100.9	65.7	4.25	34.7
3280	123.1	197.6	449.3	585.6	991.7	1094	201.8	116	10.83	0	0	80.7	89.81	0.57	70.83	0	168.8	206.4	197.7	208.7	32.61	85.77
3300	199.2	325.6	658.8	1396	3225	2936	499.2	957.4	89.31	0	0	398.7	308.9	147.6	59.8	4.29	244.8	238.7	676.9	635.8	97.31	191.6
3380	54.01	176.9	257.2	588.7	985.4	638.9	214.5	213.7	19.53	91.1	0	0	195	25.83	44.78	21.79	56.76	183.5	194.1	258	26.51	93.57
3400	60.22	0	132.5	310.7	365	336.2	90.08	74.34	5.58	97.27	0	0	277.6	76.84	70.7	91.6	90.86	0	65.75	91.13	53.49	0
3500	159.7	306.1	446	728.2	1793	1968	393.4	342.3	30.76	74.92	26.59	26.51	83.82	76.66	29.35	2.11	152.6	298.6	364	527.1	51.21	126
3600	31.8	0	105	147.7	160.8	174.8	86.31	57.21	8.1	29.1	0	0	51.8	45.5	107.7	24.29	17.91	39.8	66.04	62.43	8.52	21.48
3700	78.54	12.6	147.1	393	382.1	365	154.2	75.11	9.93	3.99	14.97	354.2	100.3	92.2	41.63	70.18	44.24	58.62	109.9	150.3	56.92	6.62
3800	54.83	50.58	39.15	202.8	111.7	114.2	55.76	19.71	10.71	0	0	60.85	515.9	162.7	0	0	0	8.37	18.96	59.5	0	25.03
3890	26.44	0	109.5	193	201.6	126.9	93.61	1.06	0	40.05	1.03	0	81.05	35.85	30.59	58.24	13.28	25.11	0	31.67	13.21	14.87
4000	104.4	166.7	398.7	856	658.8	653.6	145.6	67.01	3.33	0	0	6.95	8.87	125.3	29.9	33.86	82.94	157.5	176	205.9	156.8	48.7
4050	15.2	0	125.9	458.5	280.7	151.1	47.95	21.96	0	0	19.24	0	0	119.9	0	0	92.71	29.11	0	50.75	128.2	28.82
4100	46.83	289	39	144.1	38.74	138.2	56.28	48.92	8.54	0	0	24.07	0	140.7	3.64	42.94	0	56.24	0	30.53	28.8	18.42
4150	0	109.1	140	296.4	262.7	210.9	71.52	50.47	5.49	0	0	0	75.35	81.74	0	63.94	48.75	8.26	94.94	0	45.29	
4200	408	1085	1438	2370	4943	2658	1089	870.8	89.45	48.61	119.3	214.3	380	425.2	192.2	301.9	690.6	1003	1519	1114	265.6	356.5
4250	64.05	1.1	72.17	224.3	261.6	202.6	193.1	59.78	7.37	86.85	181.8	136	31.4	0	53.19	69.57	20.28	15.05	161.7	79.76	20.42	8.41
4300	171.70	16650	41110	58120	111800	100600	49600	46520	3521	4523	8572	24720	44080	45210	5655	5558	17470	19990	39950	29910	12040	20500
4350	32.79	375.4	266.6	582.5	1278	872.8	212.7	226	35.89	134.4	75.9	0	23.27	162	0	0	89	214.3	170.9	288.7	41.45	72.07
4400	1801	1550	3597	8415	21950	12010	5375	4014	302.8	333.1	379.1	1354	2194	2385	488.4	259.9	1572	3321	10690	6000	2248	1980
4450	593.1	357.5	1407	2216	5386	3564	1359	1327	66.76	4.33	0	15.28	459.4	648.6	146.7	35.34	632.2	692.2	2263	1508	225.5	678.3
4500	302.4	175.9	752.3	1692	2393	2016	718.3	693.8	27.56	3.36	58.43	211.8	439.2	253.1	178.3	0	83.79	463	796.6	620.3	309.7	287.1
4550	138	214.7	176.7	515.7	397.2	397.7	226.1	224	4.67	0	7.49	1135	348	38.39	18.91	137.4	41.07	46.46	207.7	146.6	37.56	31.68
4600	204.6	0	428	650	1325	1322	643.1	642.1	18.37	72.2	0	115.2	311.5	0	11.38	0	149.6	156.7	512.5	424.2	128	309.1
4650	159.9	213.5	450.7	1058	1833	1567	1019	868.8	34.94	31.65	85.29	995.7	134.6	136.9	76.14	17.87	224.4	263.8	502.7	563.4	178.1	211
4700	153.3	107.2	355.3	416.7	1184	881.7	623.6	290.3	7.02	107.2	20.95	15.55	274.2	29.63	162.2	61.52	138.3	174.3	310.3	238.3	40.45	138.9
4750	197.6	288	246.1	545.7	1282	1138	398.5	255	18.73	0	119.6	0	11.8	46.68	0	142.8	114.8	309.1	287.6	252.7	80.94	131.8
4800	129.1	334.5	245.5	484.5	831	747.4	350.1	187.6	19.72	0	17.23	21.52	52.19	177.6	0	63.89	105.2	113.3	156.6	159.9	23.09	71.4
4850	110.9	0	115.5	439.2	368.7	310.7	123.3	53.1	0	66.97	142.9	224.8	100.3	66.84	0	51.09	82.46	125.5	54.12	66.48	0	8.31
4900	293	162.2	388.9	736.4	1040	857.1	173.9	135.9	19.79	0	33.75	0	76.32	157.9	112.9	304.4	76.66	240.2	219.2	225.7	37.99	71.85
4950	180.4	24.99	83.54	183.8	505.1	286.4	213.2	126.1	0	73.54	0	277.7	92.05	0	0	0	36.36	213.4	156.7	91.04	66.84	0
5000	62.51	109.9	283.8	494.7	959	693.7	186.7	181.1	7.1	0	0	114.9	315.5	0	0	163	145.7	400.9	195.9	42.23	81.78	
5050	77.56	96.6	154.5	280.8	499.2	484.4	221.1	147.7	0	15.64	313.2	80.33	179.6	21.4	30.38	87.76	0	169	209.5	61.2	53.32	0
5100	0	13.65	38.11	241.4	528	184.7	135	79.09	2.52	0	0	12.51	197	72.42	6.94	49.18	98.89	129.1	118.2	51.81	0	0
5150	35.96	160.5	110.6	280.2	323	333.9	153.2	81.01	0	72.99	0	229.8	125.2	0	14.15	0	26.46	41.92	159.1	103.1	19.24	14.31
5200	67.11	35.34	9.76	292.4	473.3	243.4	78.61	79.93	0	2.8	0	167.1	125.5	9.28	120	0	20.62	0	50.62	50.25	15.39	48.49
5250	67.54	32.37	208.7	150.4	292.2	188.3	33.51	57.59	6.34	12.35	54.31	196.3	43.97	88.67	0	13.77	86.72	222.4	149.4	54.39	39.04	12.76
5300	102.9	0	241.1	212.9	537.5	597.4	146.2	254.5	8.24	0	26.36	13.11	234	57.34	0	16.66	36.94	21.66	102.4	126.8	23.65	52.3
5350	28.48	0	77.33	164	74.77	34.48	21.65	19.42	0.48	35.54	123.4	0	46.25	0	15.79	59.91	23.07	32.75	100.5	32.9	2.31	32.55
5400	160.3	110.2	290	537.9	425.1	254.5	98.84	44.14	20.5	94.65	142.2	172.4	0	5.24	41.83	3.76	61.18	144.3	165.3	97.41	0	13.7
5450	30.74	0	64.83	111.4	317.6	139.8	18.49	39.99	0	29.43	0	0	0	0	79.25	125.4	97.93	11.87	4.73	123.7	33.11	11.6
5500	0	51.86	68.03	133.3	272.1	139.8	33.22	59.21	49.84	0	114.3	0	0	0	0	0	0	64.09	0	28.94	34.08	0
5550	0	0	149.8	0	224.4	191.4	30.18	33.91	0.6	0	0	0	0	0	18.09	0	0	4.25	0	81.36	65.06	11.48
5600	0	94.15	49.69	62.26	147.3	273.3	2.24	103.1	5.89	170.7	0	0	8.39	70.09	74.17	15.74	147.1	20.88	68.81	35.36	15.83	58.68
5650	23.89	0	267	289.6	531.3	516.9	170.3	271	7.76	64.93	0	146.9	124.1	86.19	10.93	14.33	0	34.76	164.8	178.3	0	49.94
5700	17.78	177.6	117.9	19.87	152.1	88.89	46.57	29.45	29.42	0	0	109.4	109.2	0	131.2	15.13	113.3	61.84	17.39	10.65	11.59	
5750	88.02	0	60.7	70.34	131.7	37.15	68.47	33.19	0	70.54	113.9	112.8	0	80.65	0	0	0	0	64.68	11.41	0	29.39
5800	71.2	66.41	52.44	140.1	83.97	54.33	33	15.44	5.25	71.93	54.14	216.2	0	0	3.94	118.5	49.46	27.25	77.86	34.58	24.61	
5850	87.3	28.99	28.64	161.4	285.6	150.5	94.52	34.15	5.11	0	0	0	598.7	87.77	17.92	0	143.4	73.94	57.54	54.89	0	19.04
5900	0	0	39.45	81.62	60.34	79.58	4.91	8.92	5.02	0	0	48.48	26.8	0	0	23.1	7.15	0	23.37	37.94	0	54.63
5950	67.76	82.77	43.67	0	157.5	76.8	0	8.12	0	0	0	329.9	42.67	83.6	0	0	0	0	69.76	0	5.09	24.49
6000	39.07	30.26	0	48.3	144.7	70.45	97.29	0	0	491.3	80.58	460.7	148.1	0	46.8	74.87	22.71	0	30.04	21.68	21.34	3.87
6050	0	0	41.46	50.32	138.9	19.71	0	2.67	0	57.61	14.71	0	139.9	0	0	0	0	0	0	55.74	0	0
6100	0	129.4	38.16	109	93.55	74.6	32.59	2.29	4.48	0	44.5	78.63	154.1	34.4								

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Depth	AMU116	AMU117	AMU118	AMU119	AMU120	AMU121	AMU122	AMU123	AMU124	AMU125	AMU126	AMU127	AMU128	AMU129	AMU130	AMU131	AMU132	AMU133	AMU134	AMU135	AMU136	AMU137
3010	4.23	2.59	0	0	4.6	8.82	15.51	7.78	15.07	12.82	11.51	5.05	8.13	5.01	11.32	19.35	6.25	5.03	5.85	4.32	10.21	14.71
3080	0	6.81	0	0	30.06	6.7	11.92	22.63	19.68	17.44	20.03	17.14	8.99	11.73	14.59	11.86	0	0	5.75	6.93	12.64	18.54
3100	17.03	0	0	0	140.7	15.45	26.33	68.4	45.47	51.98	59	54.56	49.6	42.69	41.54	24.59	21.28	3.73	15.25	9.08	10.3	20.67
3200	0	0	0	0.06	130.8	11.03	5.82	26.14	9.1	12.68	22.17	16.04	13.46	12.67	8.26	9.98	38.92	8.3	9.03	10.21	6.35	15.62
3280	0	0	0	0	12.96	16.82	45.8	48.42	34.52	68.28	40.67	41.28	33.46	18.73	11.59	4.45	8.95	11.42	11.39	24.64	55.78	30.41
3300	0	0	0.03	0	20.78	26.95	72.37	60.93	92.29	96.28	105.1	95.65	78	45.46	22.3	39.92	11.5	14.55	10.55	17.27	38.36	47.59
3380	8.07	54.88	0.59	0	6.22	5.97	25.02	25.83	34.56	30.87	39.22	34.47	36.61	44.6	0	20.38	0	7.42	9.61	17.25	6.47	29.72
3400	4.88	17.56	0	0	9.72	6.9	13.13	15	9.79	12.4	18.94	13.44	10.75	7.14	12.34	14.3	3.29	0	1.31	3.82	2.2	6.67
3500	7.26	0	0	0	20.49	13.61	34.41	23.09	43.25	57.75	52.23	49.54	63.72	36.94	24.35	23.7	3.66	4.23	6.95	13.73	20.47	21.69
3600	11.63	60.14	0.12	0	2.98	1.46	13.79	11.81	13.22	9.53	6.73	11.73	11.25	25.94	13.16	34.22	1.34	8.27	6.94	8.89	15.51	13.86
3700	3.28	0	0.58	83.04	5.69	4.93	18.39	13.26	17.55	21.74	15.98	19.72	18.07	11.91	4.5	5.21	1.28	2.01	7.37	6.52	14.51	19.12
3800	6.74	0.84	0.3	15.31	6.39	5.51	7.57	12.07	13.31	12.4	2.97	10.83	3.37	2.03	0.48	2.35	3.68	0	0	11.22	6.43	13.34
3890	23.45	16.3	0.83	687	0.49	7.56	8.11	0	11.23	11.94	5.6	8.72	1.92	0.32	1.31	0	0	2.54	0.59	2.1	5.32	6.84
4000	0	0	0	0	75.5	4.74	13.69	39.6	35.9	24.92	36.53	33.8	35.52	20.13	20.93	10.61	28.04	2.42	5.35	4.47	8.94	11.49
4050	0	2.66	0.14	0	13.84	0.65	11.95	12.56	26.8	20.97	19.14	8.84	22.94	14.46	18.02	16.74	5.11	4.41	0	10.41	9.43	0.91
4100	13.11	13.32	0	0	1.09	7.4	3.81	2.5	15.96	13.96	11.04	11.98	0.75	15.53	5.1	8.01	5.33	0	0	1.12	12.54	8.77
4150	8.46	0	0	0	53.77	3.27	9.26	13.94	9.15	12.93	4.64	14.15	14.64	9.28	11.23	0	0.28	0.39	9.26	4.33	0.01	25.68
4200	66.92	7.27	0.88	70.55	45.45	84.37	170.6	196.4	266	328.2	289.4	279.5	250.6	200.6	199.4	69.4	8.99	32.19	29.55	61.99	93.27	113.9
4250	0	0	1.13	0	10.61	6.27	22.17	16.86	16.37	21.43	20.53	13.4	8.4	10.67	0	25.66	0	3.98	9.2	9.75	19.31	16.2
4300	2401	77.33	6.04	370.7	2770	4317	10780	10930	12500	14790	17220	18760	22540	22300	21010	5356	813.3	1292	1758	2912	4619	5952
4350	2.55	17.99	0	0	0	12.21	40.24	37.63	55	87.94	62.7	59.77	49.49	28.55	46.42	6.28	12.17	2.4	15.5	19.34	16.3	23.05
4400	128.6	20.29	2.99	1218	196	301.8	952.9	1247	1680	2087	2118	2096	2063	1459	992.7	157.9	116	229	261.8	344.2	597.5	708.1
4450	2.13	0	0.44	211.1	107	174.7	329	378.2	515.4	647.5	670.4	542	457.6	308.2	226.9	8.8	144.2	178.6	272.5	317.7	440.3	379.7
4500	0.54	0	0	0	39.76	53.99	107	99.08	142.3	208.8	177.6	153.6	181.3	158.2	145.2	30.34	53.44	43.36	71.36	78.24	143	97.45
4550	15.21	14.51	0	0	19.1	4.95	31.51	20.46	35.38	27.9	44.27	26.52	52.68	29.68	23.17	57.08	17.71	14.81	12.5	20.52	0	30
4600	12.86	0	0.6	0	15.85	27.75	64.09	57.52	86.37	112	105.1	138.7	124.9	119.9	60.53	16	13.56	39.64	71.02	45.11	85.73	53.75
4650	4.03	0	0.21	0	19.22	42.9	79.03	60.47	95.18	130.7	151.8	170.2	127.3	103.7	106.8	40.97	17.69	45.37	59.98	58.11	122.3	65.32
4700	0	6.15	0	0	126.9	16.38	33.98	48.09	60.41	73.46	92.32	85.46	82.79	73.74	46.8	33.98	0.58	15.6	30.05	50.93	69.95	75.2
4750	16.43	4.64	0.09	58.89	25.42	27.86	62.81	34.41	38.32	59.22	69.96	51.21	57.86	68.6	27.06	16.49	7.39	15.8	31.03	29.63	66.87	41.01
4800	39.98	4.05	0.79	0	11.28	25.31	34.62	31.85	36.75	40.59	61.5	44.02	54.11	45.47	28.65	49.04	0.03	15.6	24.92	2.16	35.41	21.89
4850	15.54	0	0	0	7.41	13.02	11.93	6.45	16.4	35.87	26.82	21.87	23.42	0	11.56	0	8.89	10.23	7.82	9.7	17.84	13.28
4900	15.67	0	0.68	270.1	13.92	13.4	43.46	26.11	46.37	54.58	56.3	41.48	44.86	18.39	23.54	22.94	6.18	17.97	16.54	27.69	24.36	22.09
4950	6.76	1.97	0	0	0.82	11.02	27.72	21.33	26.68	30.45	20.2	29.38	37.63	43.42	19.66	30.57	0	1.79	4.39	19.59	22.78	21.11
5000	21.79	2.93	0	0	6.63	2.65	40.45	38.29	56.8	58.37	90.49	61.26	48.44	34.45	6.14	7.82	4.77	12.04	20.75	22.22	38.56	6.41
5050	9.46	5.33	0	0	6.36	10.51	33.78	48.68	49.08	53.24	43.57	38.94	37.69	30.63	14.6	67.96	0	7.08	14.42	21.64	27.05	36.91
5100	0	1.61	0	0	0	13.98	20.6	22.66	14.14	29.89	43.94	45.47	47.92	6.23	31.61	65.83	22.85	7.44	9.82	4.66	30.07	24.35
5150	1.41	0	0	0	14.18	14.81	0	21.36	27.37	10.14	27.77	17.14	17.92	20.37	0	10.44	3.9	7.44	5.26	11.2	28.4	17.94
5200	3.02	2.13	0	0	41.56	5.95	13.17	46.84	10.62	29.56	24.61	31.55	23.31	54.33	36.29	11.37	8.24	5.22	3.03	4.04	13.99	21.71
5250	4.23	7.16	0	0	68.56	3.58	6.23	23.97	18.03	24.28	16.14	23.31	3.51	11.74	8.88	13.27	0	0	9.42	0.68	9.18	24.16
5300	32.6	13.82	0.55	94.9	20.82	13.05	47.66	19.93	22.78	42.81	23.17	39.99	51.24	20.7	11.54	19.75	0.47	11.4	23.32	11.98	17.12	17.63
5350	4.63	7.09	0	0	42.31	0	7.87	6.6	5.39	5.25	24.9	1.9	11.49	2.03	3.25	0	19.39	0	0	15.43	2.34	22.34
5400	10.69	0	0	0	60.36	4.25	15.51	18.57	16.8	55.47	18.76	27.58	10.36	21.02	10.67	7.65	0	1.64	0.36	4.65	10.98	4.16
5450	0	0	0	0	0	0	0	6.91	18.93	5.15	16.66	7.89	16.21	3.99	0	0	4.18	7.47	8.34	9.81	16.44	11.91
5500	6.08	0	0	0	9.08	13.37	11.59	7.16	10.75	10.57	10.69	11.09	12.2	20.88	54.88	10.5	8.58	2.42	0.21	7.79	12.3	1.62
5550	33.59	0	0	0	3.78	0.32	3.48	11.32	2.48	5.32	17.36	14.55	6.88	10.71	5.75	7.69	6.16	0	2.33	2.45	6.75	0.04
5600	4.7	0	0.44	22.05	3.19	6.72	9.31	10.75	12.82	11.57	21.85	6	4.64	7.5	10.96	0	0.48	7.82	4.96	2.2	6.43	0
5650	22.49	0	0	0	212.4	0	10.16	31.38	23.53	30.28	44.24	32.67	35.71	30.6	58.19	18.08	22.23	0.81	7.5	12.87	19.76	25.76
5700	1.19	0	0	0	4.58	5.36	4.81	6.67	3.98	6.51	7	3.15	3.25	0	4.91	7.19	5.41	5.77	0	0.3	4.01	3.03
5750	0	15.91	0	0	610.1	7.11	1.42	0	7.29	7.38	2.91	0	1.77	20.4	1.46	5.29	12.51	1.9	3.35	0.66	3.78	5.53
5800	15.58	0	0	0	5.5	6.85	4.04	4.03	3.17	10.31	7.14	0	5.78	6.26	7.82	0	6.36	0	1.73	0	0.3	4.89
5850	0	0	1.5	12.13	9.2	4.36	12.34	9.05	12.3	9.2	27.28	11.63	5.44	3.13	2.08	38	0	0	4.62	10.36	0	8.2
5900	0	0	0	0	1.31	2.4	4.83	11.07	14.3	6.3	9.89	10.04	8.7	4.36	4.18	25.22	0.39	0	1.56	14.03	4.52	0
5950	0	17.69	0	0	0	5.88	7.07	6.37	18.52	7.01	12.63	12.3	11.71	12.47	25	0	0	0.25	8.41	1.92	8.22	5.06
6000	0	0	0.01	16.21	3.25	0.22	5.35	5.7	9.02	15.06	0	9.67	3.26	0	4.2	0	0.28	0	0	0	5.05	0
6050	8.09	0	0.94	114	5.58	4.98	7.97	0.41	9.33	3.95	5.15	12.39	1.25	6.9	22.6	0	4.63	4.47	0	1.44	0.67	2.65
6100	0	3.97	0.19	165	4.99	3.67	5.05	9.13	18.24	6.32	8.71	5.5	0	17.69	0	27.67	1.91	3.74	10.61	0	6.86	0
6150																						

Fluid Inclusion Data - Part 2
 Canning River A-1
 UWI 5017920050000

Top 3010
 Btm 6400

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MZ

GMC Data Report 305

Depth	AMU139	AMU139	AMU140	AMU141	AMU142	AMU143	AMU144	AMU145	AMU146	AMU147	AMU148	AMU149	AMU150	AMU151	AMU152	AMU153	AMU154	AMU155	AMU156	AMU157	AMU158	AMU159
3010	10.28	2.54	2.56	2.35	2.59	0	0	0.16	0.47	3.54	4.97	8.41	6.19	4.78	9.12	3.91	16.23	3.79	3.82	0	9.27	0
3080	20.64	15.99	11.78	14.68	3.99	0	1.8	0.44	1.89	2.67	4	10	7.76	16.55	14.36	9	19.31	4.26	1.2	7.65	5.2	0
3100	41.46	20.57	23.19	20.21	8.89	5.99	7.83	0	0.51	0.76	4.39	4.31	11.62	14.83	5.69	14.44	8.21	1.01	6.11	0	15.69	0
3200	13.45	14.78	15.89	2.78	1.34	4.23	2.57	0	0.42	2.75	2.17	7.92	14.66	6.03	11.93	8.62	3.24	2.06	0	2.77	0	0
3280	34.68	25.73	15.05	22.23	2.42	6.16	1.56	0	0	0.83	11.5	13.1	21.84	17.45	14.68	9.89	8.76	11.03	8.91	1.46	0	0
3300	60.49	37.57	38.07	40.72	8.47	13.76	6.6	0.8	0	9.57	13.9	9.97	17.5	23.17	8.41	3.21	11.58	4.05	0	0	6.29	0
3380	16.94	9.85	10.06	12.19	18.97	7.31	9.22	0	0.29	4.29	7.33	7.68	8.22	9.45	11.58	4.84	8.36	3.86	0	0	0	0
3400	25.77	9.82	2.86	0.25	0.17	5	0	2.87	0	2.59	3.09	0	8	9.78	7.72	6.87	4.12	4.6	4.24	0	0	0
3500	23.55	27.83	23.49	29.91	11.64	3.89	7.07	9.95	1.25	4.71	2.99	3.66	11.23	11.28	3.97	7.95	14.03	3.33	7.13	2.6	0	0
3600	8.23	4.77	3.01	7.67	8.18	0	12.2	4.3	0.91	0.69	1.19	5.89	6.02	4.81	0	10.48	5.9	0	12.26	3.37	8.96	0
3700	6.88	10.73	13.13	12.67	0	0	7.34	3.67	0	0	2.23	4.48	3.43	9.09	7.35	13.75	10.93	0	0	0	0	0
3800	7.21	6.09	4.79	5.6	9.94	10.96	8.34	0.55	0	3.02	5.98	2.01	2.3	10.62	6.05	0	0	0	0	0	0	0
3890	9.03	6.33	11.34	8.7	3.19	5.22	0	7.66	0	0	0.88	0	3.05	16.79	6.75	5.32	7.33	0	5.78	0	0.83	0
4000	18.17	15.71	16.5	23.2	15.65	4.17	0.91	0	2.27	6.27	6.89	3.53	13.87	8.77	8.7	14.05	18.21	3.09	2.01	0	0	0
4050	27.26	25.12	19.3	4.77	2.04	0.1	6.96	1.56	0	3.39	5.07	1.75	5.91	9.34	12.65	11.46	8.16	0	0	7.3	4.44	0
4100	12.29	18.68	0	1.34	0.24	7.27	0	0	1.08	0	4.79	2.97	12.76	3.32	9.13	4.07	9.05	2.25	3.46	10.42	0	0
4150	9.53	9.55	0.97	6.17	15.18	0	0	1.49	2.99	8.21	0	15.69	2.52	11.63	10.61	0.46	8.05	0	3.07	0	0	0
4200	139.7	200.5	171	158.8	104.9	55.29	78.26	1.06	5.99	9.02	27.78	36.7	47.78	65.87	75.58	75.5	79.79	63.53	29.9	15.05	14.35	0
4250	29	15.32	10.44	10.05	14.42	0	0	0	0.33	5.5	7.67	11.72	6.29	6.07	1.26	5.08	0	2.8	4.94	0	17.1	0
4300	7494	8138	10250	8085	8280	4008	4120	167.4	124.7	595.3	1179	1337	2228	2742	2894	2717	3063	1693	1512	725.8	664	0
4350	26.91	28.62	26.22	23.92	15.76	2.3	0	1.47	15.56	11.64	16.5	12.54	19.85	20.24	13.16	6.2	2.99	0	3.89	7.91	0	0
4400	947.1	1085	1103	940.9	601.5	191.2	231	0	22.49	125.1	213.1	253.9	340.3	359	385.2	404.9	340.4	182.4	100.1	24.15	307.6	0
4450	321.4	322.2	289.7	260	171.4	236.3	44.05	16.21	19.3	87.6	152.1	222.2	215.6	182.9	87.64	81.36	83.72	23.49	7.47	0	64.13	0
4500	79.23	67.43	100.1	77.27	37.85	10.46	4.73	7.54	2.06	13.26	43.08	39.02	82.82	33.35	57.35	44.43	45.73	18.49	0	4.3	0	0
4550	23.13	14.89	24.31	29.55	3.12	4.35	4.73	5.61	0.89	5.73	3.2	22.65	16.54	13.76	16.62	22.71	0	0	0	0	0	0
4600	54.41	60.29	78.67	51.88	22.49	13.23	5.98	6.61	5.36	17.29	45.51	50.21	30.7	54.63	19.45	14.36	31	4.22	7.77	5.43	1.28	0
4650	49.48	53.04	49.63	40.62	29.84	13.46	12.99	6.82	5.96	26.01	37.62	52.11	73.68	30.01	36.61	62.06	21.7	18.07	19.32	8.07	2.1	0
4700	49.07	58.41	25.91	20.86	29.47	6.49	4.89	1.55	5.45	10.34	20.89	50.22	35.81	28.83	2.86	3.9	11.26	0	8.7	0	0	0
4750	30.36	32.17	23.01	17.43	26.61	4.05	15.13	4.59	3.79	19.97	19.69	27.32	30.50	22.76	8.43	27.82	10.48	0	2.7	5.41	0	0
4800	24.67	21.05	25.38	11.52	16.03	8.65	0	0	0.59	4.56	14.42	14.83	12.58	21.92	18.85	8.91	12.37	10.72	15.37	2.84	0	0
4850	37.2	25.77	4.17	22.74	8.88	3.04	5.78	1.97	2.65	7.31	14.04	0	0	0	1.06	16.4	6.23	0	4	0	0	0
4900	17.45	33.23	41.13	14.47	19.83	0.86	20.5	3.73	2.95	0.3	18.32	31.49	26.57	11.99	5.4	6.89	14.11	6.16	0	1.08	0	0
4950	12.72	2.52	29.74	23.51	4.9	13.54	12	1.93	3.72	13.63	13.49	0	16.97	0	44.84	21.92	0	0.47	16.76	0	0	0
5000	27.56	17.42	21.52	34.14	10.74	12.29	0.41	5.84	0.23	10.26	14.42	5.33	25.5	20.4	4.09	1.94	19.6	0	1.53	0	0	0
5050	12.19	41.73	16.8	41.35	13.5	6.36	0	5.58	0	9.51	8.73	3.27	38.69	25.77	7.77	0	8.96	9.29	0.87	0	0	0
5100	14.8	16.19	12.25	12.6	2.13	12.06	19.38	1.5	0	25.72	15.21	10.91	11.68	12.56	0	2.19	4.29	0	0	0	0	0
5150	10.98	29.44	8.69	11.26	10	0	6.06	3.45	2.96	15.37	7.23	10	0	23.82	3.31	18.5	0	0	3.2	0	0	0
5200	21.84	17.79	15.75	12.4	9.23	0.74	0	3.43	10.02	4.55	15	12.89	22.85	0	11.39	0	0	0.38	0	9.82	0	0
5250	5.56	14.39	0	17.09	0	9.91	48.88	11.09	1.78	3.94	3.31	2.23	7.17	0.66	0	19.18	10.55	15.85	0	1.55	0	0
5300	30.37	17.54	24.81	17.39	24.77	0	0	5.36	6.22	0	10.3	6.86	18.03	16.16	13.74	6.86	10.52	7.64	9.75	0	0	0
5350	14.7	4.9	12.76	1.33	15.8	7.48	0	5.43	0.55	3.54	7.66	4.23	0.9	1.5	5.36	15.51	0	5.87	0	3.87	0	0
5400	8.43	7.81	8.88	8.87	6.26	1.67	0	6.97	4.05	0	3.57	11.94	0	0	8.68	1.99	11.57	0	12.21	0	0	0
5450	14.15	1.5	0	6.89	0	0	0	1.59	5.93	0	0.87	6.57	0.7	4.02	7.19	3.71	0	0	6.41	0	0	0
5500	9.58	7.59	5.79	7.76	0	2.56	0	1.46	0.85	3.49	2.36	5.15	0	1.64	5.08	0	1.37	6.83	10.47	0.2	19.44	0
5550	1.73	5.64	9.5	3.43	2.05	2.14	0	0	0	5.02	0	10.23	0	0.71	3.71	0	6.07	0.04	0	0	0	0
5600	7.05	1.42	4.22	4.42	1.27	0.52	1.11	0	0.32	6.29	18.07	2.82	4.79	0	0	0	7.13	0	6.5	0	0	0
5650	15.83	17.1	12.3	16.71	10.88	0	3.64	0	1.29	3.19	0	11.71	19.05	4.54	13.35	18.51	24.14	0.77	3.73	0	0	0
5700	2.95	7.1	0.63	2.39	11.98	3.04	0	2.44	0	11.96	1.1	0	5.59	2.06	0	2.73	0	0	1.44	0	0	0
5750	2.06	0.13	10.6	0	0	3.07	0	0	0.53	0	1.42	4.27	13.69	0.76	0	3.05	3.86	5.25	63.98	0	0	0
5800	1.77	5.04	5.64	6.65	0	0	16.43	0	0.76	2.05	0	0	2.48	1.58	0	0	0	0	0	0	17.62	0
5850	1.76	6.82	22.64	1.64	0	1.65	0	0	0	6.84	0	3.65	16.41	0	6.56	1.56	0	0	5.23	0	20.16	0
5900	7.14	3.59	8.25	15.03	6.61	6.31	26.4	0	0.04	5.56	0	0.45	4.48	0	0	0	0.77	0	0.96	0	0	0
5950	5.19	0.15	21.49	0.11	22	3.02	22.85	0.92	0	1.82	0.9	0.07	8.89	2.42	4.76	3.65	0	7.52	0	6.32	0	0
6000	4.92	8.33	1.31	0	2.02	1.02	1.16	0	0.98	1.32	2.72	0	4.77	0	0.51	2.04	0	0.29	7.05	0	0	0
6050	12.68	0	1.37	9.22	8.78	7.03	7.57	0	2.1	0	6.85	0	4.53	3.2	3.95	2.66	3.92	2.24	38.04	0	0	0
6100	2.14	3.11	8	19.45	2.71	0	0	0	1.92	2.77	0	5.98	5.31	8.86	12.14	0	0	0	0	0	2.76	0
6150	25.68	19.38	4.41	13.66	9.87	1.14	8.29	6.66	1.58	2.52	20.11	7.36	14.7	15.65	42.62	10.1	0	4.15	0	1.62	0	0
6200	2.89	25.24	8.24	3.31	0	2.17	32.65	0	2.77	8.4	7.21	1.4	0	5.41	9.9	20.76	0	0	5.67	2.5	0	0
6290	1.53	7.72	3.96	0.96	0	0.6	0	0	0	0	0	0	0	0	0	0	0.98	4.6	6.85	61.33	0.96	0

Fluid Inclusion Data - Part 2
 Canning River A-1
 UWI 5017920050000

Top 3010
 Btm 6400

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M/Z

Depth	AMU160	AMU161	AMU162	AMU163	AMU164	AMU165	AMU166	AMU167	AMU168	AMU169	AMU170	AMU171	AMU172	AMU173	AMU174	AMU175	AMU176	AMU177	AMU178	AMU179	AMU180		
3010	0	11.72	0	2.89	0	0.86	0	5.15	1.65	0	0	0	0.31	0	0.69	0	0.97	1.3	0	81.2	80.8	65.6	
3080	0	1.99	0	0	5.11	0	7.16	0	0	0.02	418600	0	3.96	0	0	0.51	0	0	0.94	81.2	80.8	65.6	
3100	4.05	2.25	2.2	6.52	3.14	2.88	3.69	12.07	6.38	0	0	0	0	0	0.12	0	0	1.41	0.89	81.2	80.8	65.6	
3200	0	1.51	4.6	0	4.53	6.34	0	3.32	5.92	4.45	0	0	0	34.29	0	0	1.62	1.02	2	81.2	80.8	65.6	
3280	0	0	2.73	0	8.81	5.52	0	0.6	0	3.12	0	0	0	0	0.81	0.13	5.37	0.15	0.83	81.2	80.8	65.6	
3300	0	3.41	0.26	3.24	4.08	7.34	0	2.16	1.92	0	207700	0	6.55	0	1.83	0.9	1.84	0	0	81.2	80.8	65.6	
3380	0	2.69	0.45	3.65	5.05	5.74	0	1.46	0.37	1.24	0	0	0	0	3.53	0	8.29	23.74	0	81.2	80.8	65.6	
3400	0	0.95	2.19	0.84	4.87	3.48	1.84	0	8.74	0.51	139900	0	5.89	0	0.36	0	0	0.78	0	81.2	80.8	65.6	
3500	0	3.47	0	2.31	2.02	0	3.4	1.49	1.31	17.55	0	0	0	0	0.14	0	0	0.71	2.44	81.2	80.8	65.6	
3600	0.66	8.51	0	0	6.09	2.01	0	1.42	0	0.68	9632	0	0	0	0.15	7.67	0	0.4	0	81.2	80.8	65.6	
3700	0	0	0.93	0	2.8	0	0	0	0	0	261700	0	0	0	0	0	0.08	0	0	81.2	80.8	65.6	
3800	3.47	0	0.64	0	0	5.92	1.92	0.34	4.04	0	0	0	0	0	0.13	0	0.05	0	1.17	81.2	80.8	65.6	
3890	0	0	1.3	6.02	0	7.63	0	0	0	0	0	0	0	0	0	0	0	0	3.09	81.2	80.8	65.6	
4000	0	2.21	6.29	0	0	0	1.13	1.54	4.31	0	190900	0	8.21	0	0	0.13	3.51	0	0	81.2	80.8	65.6	
4050	0.86	0	7.78	1.06	2.53	3.38	0.44	7.1	4.57	0	355100	0	0	0	0.23	0.02	0.39	0	2.13	81.2	80.8	65.6	
4100	0	0.11	2.38	0	0	0	0	0	4.59	0	0	0	0.71	0	0	0.57	0	0	2.49	81.2	80.8	65.6	
4150	0	7.21	3.62	0	3.72	2.5	29.89	0	0	0	0	0	3.08	0	0	0.67	1.03	0	0.6	81.2	80.8	65.6	
4200	0.02	6.82	13.44	14.58	31.27	23.49	28.9	22.09	0	5.95	212300	0	0	0	0	0	0	0	3.83	9.25	81.2	80.8	65.6
4250	0	0	0	20	0	4.38	0	3.63	6.73	0	0	0	25.78	0	0	0	0	0	0	81.2	80.8	65.6	
4300	59.63	289.9	491.2	707.2	754.3	903.5	726.1	602	368.3	191.4	9079000	0	50.08	0	11.87	-37.35	105.5	57.75	95.93	81.2	80.8	65.6	
4350	0	0.58	5.13	5.01	6.55	0	0	0	0	4.65	0	0	20	0	0.82	2.7	0	0	0	81.2	80.8	65.6	
4400	22.09	34.31	82.91	100	123.2	133.5	64.82	62.98	32.05	108.4	7108000	0	257.7	0	21.07	32.77	24.02	14.42	22.19	81.2	80.8	65.6	
4450	1.15	37.2	63.66	103.7	63.4	65.68	14.31	45.32	6	12.33	1746000	0	146.9	0	8.71	28.09	3.59	2.66	6	81.2	80.8	65.6	
4500	0	0.39	3.67	15.93	19.24	3.23	15.64	8.71	0	3.33	59640	0	23.93	0	2.26	0	0	1.3	1.06	81.2	80.8	65.6	
4550	0	13	2.23	0	18.89	11.52	6.74	2.55	0	3.26	0	0	3.33	0	0.85	0	0.53	1.21	0	81.2	80.8	65.6	
4600	3.29	10.86	25.67	16.16	27.56	15.29	2.14	0	0.39	40420	0	10.83	0	0	2.01	0.73	1.7	1.7	1.7	81.2	80.8	65.6	
4650	0.11	0.98	23.9	10.14	23.2	3.1	0	0	1.23	78010	0	0	0	0.26	0.74	3.78	1.24	6.76	0	81.2	80.8	65.6	
4700	0	2.6	11.35	0	14.6	5.25	8.49	0	0	0.03	173500	0	0	0	0.24	0.94	0	0	1.61	81.2	80.8	65.6	
4750	0.71	0	17.45	6.3	8.13	0.1	0	1.11	0	0	235800	0	0	0	0.68	2.39	0	0	0	81.2	80.8	65.6	
4800	0	6.05	9.71	5.97	18.25	-0.98	1.96	7.97	0	0.6	-36380	0	-1.87	0	11.27	2.26	5.13	0.64	3.22	81.2	80.8	65.6	
4850	6.41	0	0	7.74	0	8.3	0.7	1.1	0	0	273300	0	0	0	0.23	0.39	1.83	0.2	1.2	81.2	80.8	65.6	
4900	0	0	6.73	9.65	14.35	-8.15	0	6.2	0	0.97	115700	0	0	0	0	0.17	6.13	1.86	0	81.2	80.8	65.6	
4950	0	4.67	8.66	3.66	12.87	4.04	6.25	0	0.14	0.42	320500	0	0	0	0.05	0.84	0	0	4.6	81.2	80.8	65.6	
5000	5.03	1.45	4.33	0	0	6.16	4.21	4.84	33.91	4.63	0	0	0	0	0	0	0	0	0	81.2	80.8	65.6	
5050	1.36	0	0	4.16	5.81	-6.63	0	0.19	1.88	1.35	0	0	5.1	0	0	2.28	2.13	0	0	81.2	80.8	65.6	
5100	0	0.47	2.64	0	0	4.71	0	0	3.41	0	89900	0	0.15	0	1.33	0	3.28	0.67	0	81.2	80.8	65.6	
5150	0	1.34	0	2.15	0	10.95	2.46	0	0	11.87	0	0	0	3.1	0	0.14	0	0	0	81.2	80.8	65.6	
5200	0.17	0.91	0	6.08	0	0	0	0.06	0	0.7	0	0	0	0	5.91	0	0	0	0	81.2	80.8	65.6	
5250	0	2.74	0	2.34	0	2.45	0	0	0	0	132300	0	0	0	0	0	0	0	0	81.2	80.8	65.6	
5300	0	3.28	11.31	8.05	6.21	0.96	8.41	0	14.23	0	0	0	0	0	0	0	0.84	0	0	81.2	80.8	65.6	
5350	0.44	0	1.83	6.17	0	11.01	0	0	3.19	1.16	116500	0	1.83	0	0	0.62	0	0	0	81.2	80.8	65.6	
5400	0.72	0	2.48	4.81	6.32	0	2.19	9.81	2.95	0	0	0	1.92	0	0.43	0	0	0	0	81.2	80.8	65.6	
5450	0	0.9	0	0	2.86	0.6	0	0	0	0	248100	0	0	0	0.18	0	0.68	0	0	81.2	80.8	65.6	
5500	0.35	0	2.61	0	0	0	0.9	0.81	0.04	0	306000	0	0	0	0	0	0	0	0	81.2	80.8	65.6	
5550	0.07	0	4.94	1.83	0	4.27	14.85	0	0	0	0	0	0	0	1.31	0	0	0	0	81.2	80.8	65.6	
5600	0.25	0	3.46	0	6.75	12.31	0.43	0.06	0	0	0	0	3.02	0	0	4.73	0	0	0	81.2	80.8	65.6	
5650	1.72	0	0	0.91	0	3.96	0	0	3.34	353500	0	1.05	0	0	2.13	0	1.03	3.64	0.23	81.2	80.8	65.6	
5700	1.14	0.01	0	0	3.7	0	0	1.7	0	2.23	383100	0	1.8	0	0	0	0	0.95	2.2	81.2	80.8	65.6	
5750	1.94	0	3.86	0.08	0	10.91	0	0	16.75	2.42	662200	0	3.62	0	1.27	0	0	0	0	81.2	80.8	65.6	
5800	1.2	0	4.24	2.69	0.69	2.11	3.11	0	0.14	3.31	0	0	2.65	0	1.94	0.38	0	0.41	0	81.2	80.8	65.6	
5850	1.89	0	0	0.1	0	1.12	0.44	0	5.67	45.18	0	0	0	0	0.42	0.6	1.39	0	0	81.2	80.8	65.6	
5900	4.85	0	3.31	0.16	3.24	0	0	0	0	0	8031	0	1.2	0	0.85	4.4	0	0	1.58	81.2	80.8	65.6	
5950	0	9.4	14.89	0	0	4.1	6.57	0	0	5.36	0	0	11.78	0	1.13	0.41	1.89	0	0	81.2	80.8	65.6	
6000	0.75	1.39	0.02	2.61	0	6.52	1.31	0	0	0.54	0	0	0.15	0	0	1.67	0	0.34	2.36	81.2	80.8	65.6	
6050	0.82	0.35	0	7.65	4.62	0	4.79	0	1.88	0.06	49300	0	0	0	0.27	0.7	0	0	0	81.2	80.8	65.6	
6100	3.2	14.11	0	0	5.28	4.38	5.72	9.43	0	0	0	0	3.56	0	0	2.5	1.76	0	0	81.2	80.8	65.6	
6150	0	0.03	0	4.67	0	0	6.4	65.65	0	0	0	0	6.2	0	0	2.97	2.26	2.52	12.29	81.2	80.8	65.6	
6200	0	18.26	9.33	0	2.61	0	0	2.58	0	7.77	476100	0	0	0	1.9	1.97	2.74	0	0	81.2	80.8	65.6	
6290	7.07	9.13	6.96	1.09	1.6	0	5.72	13.08	4.45	9.92	0	0	21.47	0	0.25	3.48	0	0.54	0	81.2	80.8	65.6	

Fluid Inclusion Data - Part 1
Canning River B-1
UWI - 5017920060000

Top 2930
Blm 10800

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Depth	Total	CO2	H2S	H2S/H2S+CH4	4/4+2	Air	C2H6/C2H6+CH4	CH4	C2H6	AceticAcid	Benzene	Toluene	60/60+S7	70/70+S91	ParaffinsS7	57/57+15	AlkNaphth	57/57+55	97/97+91	77/77+71	S2+HCs	CS2+HCs	97/15+97	Cs-C13	C6-13/C1-5
2930	12020000	6363000	1599	0	0	0	0.01	336900	4483	247.2	208.8	558.3	0.15	0.25	1383	0	215.6	0.38	0.43	0.02	0	121	0.64	4	0.69
3050	13760000	6575000	0	0	0	1	0.01	735000	10760	206.4	688.6	359.7	0.02	0.64	8799	0.01	200.8	0.49	0.52	0.05	520.9	258.6	0.27	4	0.7
3170	8752000	4526000	687.3	0	0	0	0.01	328900	4331	203.7	250.4	39.39	0.78	0.85	58.12	0	334	0.06	0.87	0.04	0	156.5	0.41	4	0.71
3290	8723000	4245000	0	0	0	2	0.01	498400	5313	448	209.9	233.9	0.17	0.45	2167	0	63.83	0.46	0.35	0.03	0	195.6	0.13	4	0.73
3290	9715000	3657000	0	0	0	2	0.01	641900	7588	189.2	261.8	238.4	0.07	0.5	2617	0	139.3	0.61	0.53	0.02	304.8	196.8	0.22	4	0.611
3350	7581000	3038000	0	0	0	1	0.01	757500	6633	101.9	207.4	222	0.04	0.46	2453	0	119.9	0.55	0.51	0.04	259.9	15.83	0.16	4	0.69
3410	9074000	4690000	0	0	0	3	0.1	566.0	6161	170.8	131.3	0	0.19	0	730.9	0.01	66.22	0.37	0	0.03	0	145.2	1.17	4	0.64
5300	6756000	2626000	2204	0	0	1	0.01	603400	7122	102.8	100.5	134.1	0.04	0.41	2720	0	79.37	0	0.54	0.06	735.7	54.31	0.13	4	0.67
5400	12790000	6554000	7395	0.01	0	0	0.01	674100	9351	143.3	358.3	162.3	0.03	0.67	4184	0.01	247.8	0.58	0.75	0.04	206.9	233.8	0.37	4	0.61
5500	14690000	4093000	10070	0.01	0	1	0.01	1966000	26940	189.2	1109	402.1	0.02	0.72	11420	0.01	581.6	0.5	0.74	0.02	319	319	0.3	4	0.68
5600	52740000	35070000	18200	0.01	0	1	0.02	1478000	24110	645.9	1095	614.6	0.05	0.62	11170	0.01	643.5	0.54	0.67	0.03	958.1	763.3	0.44	4	0.67
5700	19310000	10700000	0	0	0	2	0.02	811800	12900	1064	2134	688.5	0.05	0.74	22530	0.03	921.1	0.49	0.72	0.04	427.7	688.9	1.13	4	0.84
5800	15120000	7613000	0	0	0	2	0.02	665700	11040	1396	2374	1384	0.04	0.61	30850	0.04	1253	0.52	0.64	0.03	955.3	1622	1.98	6	0.86
5900	8038000	2979000	11250	0.02	0	0	0.02	560500	11560	908.8	2700	1575	0.02	0.61	52320	0.08	1429	0.6	0.64	0.02	456.5	2175	2.42	8	0.91
6000	12350000	6691000	11150	0.02	0	1	0.02	505800	8383	568.7	1184	650.2	0.07	0.62	7466	0.01	490.3	0.48	0.6	0.05	159.3	606.7	0.97	4	0.85
6100	11500000	3672000	0	0	0	2	0.02	1063000	23500	768.2	2465	1401	0.04	0.62	17990	0.02	1283	0.47	0.64	0.04	368.5	594.1	1.21	4	0.98
6200	24130000	12380000	0	0	0	2	0.02	1323000	21140	750.5	2276	754	0.04	0.73	20500	0.02	733.9	0.44	0.65	0.04	670.6	1015	0.55	4	0.86
6300	16900000	8418000	13570	0.01	0	1	0.02	356700	18250	481	2331	1317	0.02	0.62	18910	0.02	1046	0.45	0.61	0.04	463.8	1247	1.09	4	0.89
6400	11270000	3394000	5650	0	0	0	0.02	9429000	14760	299.7	1243	415.4	0.03	0.73	10030	0	803.6	0.44	0.79	0.04	8.51	658.1	0.23	4	0.89
6500	10520000	5779000	0	0	0	3	0.06	119100	7737	711.8	921.4	534.9	0.15	0.61	3959	0.03	261.5	0.49	0.49	0.05	231.3	567.5	2.19	4	0.88
6600	11310000	2256000	0	0	0	0	0.01	1520000	22660	2677	1943	1968	0.12	0.47	19960	0.01	1440	0.45	0.58	0.04	37.36	1364	0.94	6	0.96
6700	9799000	2705000	2084	0	0	0	0.02	560400	13920	1266	3568	2087	0.02	0.61	74230	0.12	3036	0.58	0.74	0.02	299.6	1988	5.39	8	0.98
6800	8464000	3111000	18590	0.02	0	0	0.02	808900	16020	343.7	909.6	525.7	0.03	0.61	10180	0.01	265	0.52	0.5	0.06	290.7	419.3	0.33	4	0.72
6900	10880000	4168000	0	0	0	2	0.03	805300	29920	307.2	1169	637.6	0.15	0.7	17290	0.02	1508	0.46	0.82	0.03	163.7	916	1.87	4	0.89
7000	9107000	2467000	0	0	0	0	0.02	704600	13000	405.6	901	642.5	0.05	0.56	8483	0.01	539.1	0.47	0.62	0.05	0	511.4	0.76	4	0.9
7100	8242000	2512000	0	0	0	0	0.02	946800	19100	247.9	803.9	777	0.03	0.48	9033	0.01	378.9	0.54	0.49	0.04	243.4	323.3	0.4	4	0.79
7200	17980000	8832000	18410	0.02	0	1	0.02	1070000	24170	520.4	1362	1358	0.03	0.48	14550	0.01	540.3	0.48	0.44	0.04	237.1	725.5	0.53	4	0.87
7300	22250000	9543000	15560	0.01	0	1	0.03	1598000	42580	1153	2266	847.4	0.03	0.68	33690	0.02	1516	0.5	0.76	0.03	402.5	584.2	0.85	6	0.82
7350	14680000	4140000	0	0	0	0	0.04	1223000	50190	292	2251	1968	0.01	0.51	46980	0.04	2355	0.48	0.7	0.02	684.5	1373	1.92	7	0.96
7400	12320000	3463000	0	0	0	0	0.04	1129000	51150	367.7	2313	1299	0.03	0.62	39750	0.03	1687	0.48	0.72	0.04	448.6	501	1.49	7	0.91
7450	19740000	4334000	14560	0.01	0	0	0.05	1251000	60890	8313	8023	9807	0.04	0.43	187800	0.13	26370	0.39	0.84	0.02	2170	13970	20.64	13	1.41
7500	95500000	17950000	20520	0	0	0	0.05	7893000	426500	48170	26700	42160	0.06	0.36	918000	0.09	107800	0.46	0.83	0.02	6527	65110	13.48	13	1.55
7550	33910000	7294000	9201	0.01	0	1	0.04	1560000	58530	22190	17910	21070	0.03	0.44	623500	0.28	40540	0.47	0.79	0.01	4211	23760	26.02	13	1.4
7600	34720000	8146000	21110	0.01	0	0	0.06	2518000	149600	24770	6865	12630	0.1	0.33	213400	0.08	17430	0.48	0.73	0.02	2625	11670	6.88	13	1.41
7650	33280000	9938000	811.1	0	0	0	0.06	2480000	155300	10210	4030	6412	0.06	0.36	157600	0.06	8807	0.52	0.73	0.01	1150	3321	3.54	12	1.24
7700	26420000	5180900	5741	0	0	0	0.07	2146000	156900	5269	4830	8454	0.03	0.34	198700	0.08	12360	0.52	0.74	0.01	737.6	5530	5.72	12	1.39
7750	23750000	47790000	11110	0	0	2	0.29	6313000	255000	45720	129000	313600	0.02	0.27	2890000	0.32	25200	0.64	0.61	0.07	23030	66660	38.43	13	1.7
7800	80620000	12400000	11320	0	0	1	0.02	1026000	629100	10420	9805	17730	0.02	0.33	449900	0.05	35410	0.51	0.79	0.01	3300	7141	4.39	13	1.4
7900	21910000	4775000	0	0	0	1	0.06	1876000	117500	7837	5396	13580	0.05	0.26	156200	0.08	13500	0.48	0.68	0.02	1518	4689	7.15	13	1.41
7920	54640000	8648000	0	0	0	2	0.05	5318000	309500	3983	6895	17610	0.01	0.26	351200	0.06	27480	0.49	0.75	0.02	2536	4264	5.14	13	1.42
7950	42460000	7420000	3083	0	0	0	0.06	3502000	215700	2815	7014	12110	0.01	0.34	305900	0.08	21120	0.49	0.77	0.01	2883	2660	6	12	1.34
7980	32960000	5406000	22030	0.01	0	0	0.06	3178000	198500	1136	3745	3279	0.01	0.51	174000	0.05	10780	0.52	0.86	0.01	236.7	1916	3.38	12	1.23
8010	16090000	3066000	19000	0.01	0	1	0.05	1456000	69470	1802	4311	6377	0.01	0.38	133600	0.08	11070	0.45	0.77	0.02	1063	2724	7.55	12	1.35
8040	42170000	7575000	0	0	0	1	0.05	4450000	228000	1659	5391	7758	0.01	0.39	151700	0.03	10050	0.51	0.72	0.02	1319	2947	2.25	12	1.32
8070	65440000	20980000	5182	0	0	0	0.05	3550000	285200	3850	5074	9037	0.02	0.32	184500	0.03	10160	0.5	0.67	0.01	1500	2024	1.83	13	1.28
8100	21240000	6443000	0	0	0	1	0.04	1915000	89710	6086	2494	5102	0.09	0.3	59690	0.03	5367	0.47	0.67	0.03	955	1078	2.78	12	1.26
8130	20670000	5430000	20070	0.01	0	0	0.02	2427000	58290	4482	4480	6669	0.06	0.38	66250	0.03	7386	0.39	0.68	0.03	1075	1194	3.03	12	1.27
8160	40600000	8741000	33320	0.01	0	0	0.02	5109000	92360	18690	9448	15530	0.09	0.35	196000	0.04	15820	0.41	0.66	0.03	1810	8845	3.09	13	1.34
8190	18990000	6476000	5761	0	0	0	0.02	1664000	40600	8542	2949	4696	0.1	0.36	73800	0.04	4756	0.45	0.66	0.03	227.8	625.6	2.85	10	1.24
8220	118700000	26110000	10533	0	0	0	0.08	103300																	

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8920	23620000	5790000	5749	0	0	0	0.05	2020000	117200	1564	2204	8762	0.01	0.18	105300	0.05	8787	0.54	0.66	0.01	1574	1795	4.32	12	1.35
8950	22910000	6390000	1577	0	0	0	0.03	2346000	76170	1529	3535	8612	0.02	0.27	82620	0.03	7259	0.54	0.62	0	485.1	2592	3.08	13	1.29
8680	63590000	14940000	19910	0	0	0	0.04	5922000	236690	4434	8420	17200	0.01	0.31	399760	0.06	18620	0.64	0.68	0.01	1845	4057	3.15	13	1.38
8910	44650000	15340000	0	0	0	1	0.03	3691000	106500	4139	5460	13350	0.02	0.27	216500	0.06	8296	0.67	0.55	0.01	1217	2304	2.25	13	1.37
8940	23440000	8107000	0	0	0	0	0.03	1859000	66170	1060	1525	3700	0.01	0.27	69630	0.04	2624	0.67	0.58	0.01	1332	357	1.4	9	1.18
8970	28880000	13510000	3712	0	0	1	0.03	2019000	61530	4231	2049	7577	0.07	0.2	57660	0.03	3242	0.57	0.45	0.01	1361	762.6	1.6	11	1.22
9000	66740000	17850000	7303	0	0	0	0.05	6738000	381300	9682	3719	10660	0.05	0.24	185700	0.03	7508	0.61	0.58	0.01	1895	3180	1.11	12	1.27
9030	27240000	11670000	0	0	0	2	0.02	2552000	52960	2567	2533	5486	0.06	0.29	30010	0.02	2995	0.57	0.51	0.02	1214	1566	1.33	7	1.11
9060	22330000	6649000	25700	0.01	0	0	0.04	1959000	75610	1915	4847	6568	0.02	0.4	104900	0.05	9038	0.49	0.73	0.01	1497	1360	4.59	12	1.32
9090	20590000	8946000	34400	0.01	0	0	0.04	2541000	108200	2873	1737	3591	0.04	0.3	62550	0.02	2718	0.64	0.59	0.01	807.4	1429	1.07	10	1.14
9120	23300000	5474000	134.8	0	0	1	0.03	2760000	85510	1977	1688	4655	0.03	0.24	58550	0.02	3333	0.54	0.58	0.01	0	1735	1.21	10	1.21
9150	22780000	3863000	23550	0.01	0	0	0.02	2865000	48020	1458	4941	7746	0.01	0.36	119400	0.04	6835	0.52	0.63	0.01	1055	1956	2.41	10	1.24
9180	14020000	4554000	12763	0.01	0	1	0.02	3144000	31520	1063	1297	2897	0.05	0.29	21180	0.02	1901	0.52	0.56	0.01	1413	101.9	1.45	4	1.15
9210	23360000	5195000	19680	0.01	0	0	0.02	2487000	63350	4991	4054	8377	0.04	0.3	126900	0.05	8276	0.59	0.66	0.01	745.4	6885	3.32	12	1.39
9240	15120000	4501000	3027	0	0	0	0.02	1900000	35520	895.5	1630	2384	0.02	0.39	36780	0.02	1716	0.55	0.58	0.01	999.5	1101	0.9	5	1.11
9290	29020000	7418000	0	0	0	0	0.02	3666000	85710	1536	2791	2960	0.03	0.46	57890	0.02	2727	0.64	0.64	0.01	421.4	1681	0.74	7	1.11
9340	10930000	2578000	22020	0.02	0	0	0.02	1421000	33230	758.9	888.4	3519	0.03	0.19	27300	0.02	1384	0.64	0.43	0.02	527	876.4	0.97	4	1.08
9390	11450000	3343000	12420	0.01	0	1	0.02	1414000	24760	411.9	531.7	1738	0.02	0.22	17830	0.01	1049	0.63	0.54	0.01	0	614.9	0.74	4	0.85
9440	27290000	7146000	1876	0	0	0	0.01	4901000	36030	881.5	337.4	1610	0.03	0.16	27330	0.01	1342	0.58	0.62	0.01	50.82	1322	0.27	4	1.09
9490	10280000	3083000	0	0	0	0	0.02	1811000	18550	82.29	964.1	2535	0.01	0.25	15920	0.02	0	0.57	0	0.01	328.3	39.67	0	4	1.05
9540	9332000	4680000	0	0	0	1	0.01	368500	12280	506	883.4	2394	0.03	0.25	15060	0.02	805.8	0.66	0.39	0.03	0	904	0.81	4	1.04
9590	10120000	3483000	0	0	0	2	0.02	1011000	21350	353.8	1350	1651	0.03	0.42	11760	0.01	546.6	0.45	0.39	0	79.09	668.4	0.54	4	1.04
9640	15320000	4047000	8530	0.01	0	1	0.02	2010000	31130	634.8	4098	1586	0.02	0.7	26870	0.01	3346	0.6	0.8	0.02	750.9	1151	1.66	4	1.05
9690	17010000	6089000	16700	0.01	0	1	0.01	1681000	23260	904.9	4815	4814	0.02	0.47	57140	0.03	2468	0.64	0.5	0.01	935.3	2131	1.47	6	1.19
9740	27370000	12440000	0	0	0	2	0.01	1895000	12910	1580	5964	5048	0.07	0.51	21770	0.01	1816	0.57	0.41	0.02	935.6	2006	0.96	4	1.08
9790	25870000	7724000	685.9	0	0	2	0.01	1899000	12990	2009	5206	4550	0.13	0.51	13810	0.01	1472	0.6	0.38	0.06	1365	1297	0.74	4	1.17
9840	29120000	7037000	18930	0.01	0	1	0.01	2024000	15680	1352	3860	3316	0.04	0.51	29120	0.01	1547	0.57	0.47	0.02	882.9	1310	0.76	4	1.08
9890	17030000	5145000	0	0	0	2	0	1981000	8704	1337	3646	3379	0.1	0.49	12630	0.01	410.4	0.55	0.19	0.04	0	1647	0.21	4	1.01
9940	20220000	7229000	13180	0.01	0	1	0.01	938300	6285	860.3	3570	2430	0.16	0.57	4408	0	1027	0.41	0.45	0.08	1144	462.8	1.09	4	1.12
9990	29240000	9939000	25420	0.02	0	1	0	1463000	5098	1165	1591	4258	0.23	0.25	3826	0	1446	0.4	0.39	0.12	1611	1772	0.99	4	1.06
10040	32100000	7964000	30200	0.02	0	2	0	1980000	4247	1153	2645	3309	0.37	0.42	2004	0	291.4	0.32	0.14	0.12	1711	492.2	0.15	4	1.09
10090	22450000	6920000	17380	0.01	0	2	0	1261000	3296	418.1	1600	3648	0.18	0.28	1845	0	350.3	0.27	0.16	0.14	1882	978.8	0.28	4	0.97
10140	27800000	9186000	35820	0.03	0	1	0.01	1340000	7096	616.9	3723	2214	0.06	0.6	9594	0.01	1235	0.55	0.52	0.04	1410	675.7	0.92	4	1.07
10190	17800000	8238000	0	0	0	3	0.01	444800	3605	852	752.9	1792	0.23	0.27	2887	0.01	340.3	0.38	0.27	0.02	1325	278.4	0.76	4	0.89
10240	20130000	10406000	0	0	0	2	0.01	539300	3195	1230	1102	2252	0.3	0.3	2918	0.01	363.4	0.36	0.25	0.02	0	368.3	0.71	4	0.99
10290	23300000	7386000	22230	0.01	0	1	0.01	1940000	18700	1650	2689	3940	0.07	0.38	22930	0.01	1595	0.59	0.44	0.02	1006	978.4	0.62	4	1.11
10340	50980000	14140000	15000	0	0	2	0	3854000	15900	2117	7397	3689	0.23	0.64	6906	0	930.2	0.4	0.33	0.09	3620	4333	0.24	4	1.02
10390	22500000	10140000	0	0	0	2	0.01	1036000	5265	705.8	1425	2147	0.14	0.37	4453	0	16.63	0.51	0.01	0.08	1849	122.9	0.02	4	1.02
10440	46330000	12100000	0	0	0	3	0	4255000	8335	1886	3091	3495	0.31	0.44	4204	0	537.6	0.56	0.23	0.06	2613	1507	0.13	4	1.09
10490	37960000	13530000	8006	0	0	2	0	3469000	7447	1657	1955	3328	0.29	0.34	4112	0	401.9	0.43	0.19	0.04	1173	562.3	0.12	4	0.84
10540	45250000	16240000	0	0	0	3	0	3814000	8318	3124	2266	3564	0.4	0.36	4739	0	264	0.44	0.12	0.11	2866	310.3	0.07	4	1.01
10590	58110000	25409000	24990	0.01	0	1	0	3941000	15240	4131	2017	3297	0.41	0.35	5965	0	1089	0.5	0.39	0.03	1772	1020	0.28	4	0.94
10640	60570000	35590000	37030	0.01	0	1	0	5444000	21860	12390	2155	3287	0.5	0.37	12170	0	872.2	0.46	0.34	0.02	1626	2623	0.16	4	0.9
10700	60390000	25540000	29820	0.01	0	1	0	5774000	22600	18400	4386	3928	0.72	0.5	7833	0	832.1	0.49	0.25	0.06	2045	3844	0.12	4	0.91
10750	52370000	20200000	24110	0	0	1	0	5965000	16900	12110	1174	2850	0.77	0.27	3560	0	960.7	0.35	0.39	0.01	1431	1684	0.16	4	0.76

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M/Z	AMU2	AMU3	AMU4	AMU5	AMU6	AMU7	AMU8	AMU9	AMU10	AMU11	AMU12	AMU13	AMU14	AMU15	AMU16	AMU17	AMU18	AMU19	AMU20
2930	0	428500	74.03	0	0	0	0	0	0	0	0	491900	50880	123300	336900	897900	86760	1232000	0
3050	0	483500	60.26	16.02	0	0	0	0	0	0	0	562400	105900	208300	735000	1374000	77340	964900	0
3170	0	314200	43.16	6.41	0	0	0	0	0	0	0	444300	52980	114000	328900	653300	32750	419400	0
3230	0	289600	38.86	183.5	0	0	0	0	0	0	0	419800	85910	162400	498400	974800	37830	428400	0
3290	0	266500	27.48	0	0	0	0	0	0	0	0	396200	111000	219000	641900	1227000	33590	401300	0
3350	0	294200	21.82	0	0	0	0	0	0	0	0	344300	108700	209800	757500	1182000	33550	343000	0
3410	0	369300	21.15	0	0	0	0	0	0	0	0	492300	80160	182700	56670	1166000	37030	370600	0
5300	0	241100	57.92	8.02	0	0	0	0	0	0	0	274700	72420	163500	603400	1175000	12120	282200	0
5400	0	320300	8.46	0	0	0	0	0	0	0	0	600100	96640	187400	674100	1321000	45270	450600	0
5500	0	375200	63.37	0	0	0	0	0	0	0	0	451900	235200	532200	1966000	3394000	98750	1011000	0
5600	0	391700	63.34	76.32	0	0	0	0	0	0	0	2450000	170700	369600	1478000	3829000	187700	1971000	0
5700	0	287700	43.02	0	0	0	0	0	0	0	0	835600	130800	262900	811800	1931000	72170	798800	0
5800	0	280300	39.87	63.18	0	0	0	0	0	0	0	653100	90560	216600	665700	1396000	61740	668600	0
5900	0	207300	20.99	0	0	0	0	0	0	0	0	311600	97730	198100	589500	1088000	35000	362200	0
6000	0	286900	20.36	0	0	0	0	0	0	0	0	607400	81770	159600	505800	1129000	41330	376800	0
6100	0	324200	41.42	247.9	0	0	0	0	0	0	0	401500	174600	384800	1063000	2180000	51050	479600	0
6200	0	332300	31.77	0	0	0	0	0	0	0	0	969100	165000	378300	1323000	2639000	83960	863700	0
6300	0	295400	55.01	112.4	0	0	0	0	0	0	0	746600	142400	281300	956700	1950000	72910	713000	0
6400	0	249600	17.7	0	0	0	0	0	0	0	0	239800	171000	349900	3429000	792400	31780	310200	0
6500	0	272200	56.59	142.8	0	0	0	0	0	0	0	543200	59760	159200	119100	1687000	35540	351200	0
6600	0	302900	36.2	0	0	0	0	0	0	0	0	328500	204300	457500	1528000	2736000	81640	958400	0
6700	0	268500	50.05	161.7	0	0	0	0	0	0	0	277500	56990	112800	560400	1443000	83920	709500	0
6800	0	263400	44.75	103.5	0	0	0	0	0	0	0	346800	123100	251600	808900	1281000	37320	364000	0
6900	0	279000	16.53	0	0	0	0	0	0	0	0	413400	120900	274100	805300	1544000	57980	524800	0
7000	0	259600	40.48	0	0	0	0	0	0	0	0	267900	99240	202300	704600	1166000	41590	338100	0
7100	0	266200	35.84	90.08	0	0	0	0	0	0	0	295500	144400	290600	946800	1698000	29960	234300	0
7200	0	339000	64	0	0	0	0	0	0	0	0	674800	130200	279300	1070000	2200000	50150	514500	0
7300	0	281200	39.34	0	0	0	0	0	0	0	0	800600	187500	427400	1598000	3108000	72960	788500	0
7350	0	295000	73.65	31.69	0	0	0	0	0	0	0	445000	176300	399100	1223000	2292000	60690	509900	0
7400	0	299600	58.41	108.8	0	0	0	0	0	0	0	418700	171900	375600	1129000	2185000	43490	417600	0
7450	0	298300	77.16	0	0	0	0	0	0	0	0	447700	157600	387900	1251000	2508000	91460	846700	0
7500	0	478500	379.9	560.9	0	0	0	0	0	0	0	1632000	758200	2029000	7893000	16550000	306800	2409000	0
7550	0	303000	63.72	0	0	0	0	0	0	0	0	637800	186400	459900	1580000	3478000	139400	1235000	0
7600	0	299600	174	241.5	0	0	0	0	0	0	0	905800	347400	809100	2518000	5432000	146400	1192000	0
7650	0	327100	209.8	0	0	0	0	0	0	0	0	978900	327800	764500	2480000	5144000	118000	936800	0
7700	0	299100	161.7	0	0	0	0	0	0	0	0	616500	304400	709100	2146000	4559000	112000	924100	0
7750	0	581100	1660	1684	0	0	0	0	0	0	0	4428000	2747000	8062000	6313000	10490000	2532000	1329000	0
7800	0	351700	559.4	529.6	0	0	0	0	0	0	0	1419000	885200	2317000	8026000	16670000	316000	2228000	0
7900	0	255600	106.4	29.97	0	0	0	0	0	0	0	557500	266800	631500	1876000	3883000	115600	927400	0
7920	0	407400	378.4	1694	0	0	0	0	0	0	0	931900	559000	1585000	5319000	12100000	229000	1623000	0
7950	0	311700	272.4	593.9	0	0	0	0	0	0	0	755200	374500	1042000	3502000	7147000	297400	2543000	0
7980	0	367500	265.4	407.1	0	0	0	0	0	0	0	727200	391100	981500	3178000	6430000	195200	1695000	0
8010	0	321000	65.61	87.97	0	0	0	0	0	0	0	391400	197300	444100	1456000	2509000	82610	678200	0
8040	0	409700	282.2	1038	0	0	0	0	0	0	0	948500	563900	1476000	4450000	10340000	295700	2174000	0
8070	0	401700	304.7	331.3	0	0	0	0	0	0	0	1941000	712100	1787000	5558000	12560000	285400	2022000	0
8100	0	353000	104.8	0	0	0	0	0	0	0	0	711600	267800	677300	1915000	3971000	108000	856200	0
8130	0	271300	65.35	225.8	0	0	0	0	0	0	0	654900	328700	756400	2427000	5075000	89030	813900	0
8160	0	344000	112.9	0	0	0	0	0	0	0	0	1046000	601400	1561000	5109000	11800000	195400	1441000	0
8190	0	282100	83.7	495.2	0	0	0	0	0	0	0	595800	198000	478200	1664000	3251000	65500	539600	0
8220	0	394800	610.9	756.7	0	0	0	0	0	0	0	2591000	1182000	3136000	10330000	21570000	389800	2527000	0
8250	0	306600	96.71	189.8	0	0	0	0	0	0	0	2121000	349600	893200	2814000	6866000	275400	2119000	0
8280	0	337800	79.54	0	0	0	0	0	0	0	0	773300	235500	592600	1913000	4452000	138200	1084000	0
8310	0	365400	162	588.9	0	0	0	0	0	0	0	1141000	339200	989000	3299000	7377000	174600	1373000	0
8340	0	375400	132.9	407.4	0	0	0	0	0	0	0	626100	255400	668900	2127000	4260000	103000	840600	0
8370	0	294800	286.6	0	0	0	0	0	0	0	0	764300	306500	833800	2320000	5160000	110700	827200	0
8400	0	326100	215.2	252.1	0	0	0	0	0	0	0	674000	409700	1092000	3176000	7163000	143800	957600	0
8430	0	564600	983.8	1091	0	0	0	0	0	0	0	3040000	2034000	5988000	26800000	68950000	605200	2418000	0
8460	0	515900	925.2	761.6	0	0	0	0	0	0	0	3534000	2416000	6641000	23810000	53250000	517700	2132000	0

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Depth	AMU2	AMU3	AMU4	AMU5	AMU6	AMU7	AMU8	AMU9	AMU10	AMU11	AMU12	AMU13	AMU14	AMU15	AMU16	AMU17	AMU18	AMU19	AMU20
8490	0	445200	1631	1378	0	0	0	0	0	0	0	4550000	3111000	9255000	13050000	14870000	882800	2116000	0
8520	0	506200	1470	1705	0	0	0	0	0	0	0	6631000	3568000	11150000	8295000	11610000	1170000	2951000	0
8550	0	466400	1227	1177	0	0	0	0	0	0	0	3933000	2826000	8036000	30360000	65320000	977300	6351000	0
8580	0	485700	1078	1506	0	0	0	0	0	0	0	4977000	3310000	9347000	34290000	45670000	958700	5013000	0
8610	0	351300	868	1084	0	0	0	0	0	0	0	2599000	1625000	4300000	14780000	34440000	451300	2445000	0
8640	0	401100	758.7	1239	0	0	0	0	0	0	0	2175000	1502000	3852000	13820000	30150000	458000	2853000	0
8670	0	271300	451.3	726.3	0	0	0	0	0	0	0	1292000	570900	1539000	4677000	11190000	229800	1512000	0
8700	0	251100	314.2	917.4	0	0	0	0	0	0	0	939000	509800	1303000	3955000	8190000	176500	1090000	0
8730	0	317800	407	613.3	0	0	0	0	0	0	0	1819000	788900	2088000	6748000	16200000	261500	1512000	0
8760	0	414500	772.8	301.2	0	0	0	0	0	0	0	2445000	1380000	3778000	13760000	32090000	439400	2688000	0
8790	0	265300	71.4	309.2	0	0	0	0	0	0	0	785100	254700	596400	1863000	4244000	109900	876100	0
8820	0	218000	119.3	0	0	0	0	0	0	0	0	750400	319500	724000	2026000	4598000	102800	709800	0
8850	0	235900	76.37	0	0	0	0	0	0	0	0	752500	312800	747000	2346000	5151000	138400	954000	0
8880	0	282100	280.2	488.2	0	0	0	0	0	0	0	1604000	649800	1865000	5902000	15110000	292200	1905000	0
8910	0	318100	88.76	0	0	0	0	0	0	0	0	1349000	392300	1144000	3681000	8352000	340300	2637000	0
8940	0	217700	78.07	162	0	0	0	0	0	0	0	832300	254500	577400	1869000	4068000	107400	807100	0
8970	0	222600	63.69	365.4	0	0	0	0	0	0	0	1247000	254300	639800	2019000	4550000	134400	1022000	0
9000	0	323900	420	0	0	0	0	0	0	0	0	2088000	868600	2241000	6738000	16710000	319400	1870000	0
9030	0	273600	65.94	149.8	0	0	0	0	0	0	0	1132000	288800	693000	2252000	4958000	149600	1124000	0
9060	0	229500	91.45	0	0	0	0	0	0	0	0	779700	300700	650100	1959000	4736000	124300	862800	0
9090	0	271200	99.55	0	0	0	0	0	0	0	0	981300	331300	815600	2541000	5837000	114600	805500	0
9120	0	350200	73.42	259.1	0	0	0	0	0	0	0	718300	356400	833400	2760000	6535000	122200	908500	0
9150	0	347700	98.55	679.6	0	0	0	0	0	0	0	608900	325100	800200	2869000	6226000	246400	2034000	0
9180	0	268600	37.59	446.9	0	0	0	0	0	0	0	523600	160900	379800	1314000	2893000	90430	632700	0
9210	0	281600	74.3	0	0	0	0	0	0	0	0	776900	365900	842100	2487000	5959000	150000	988200	0
9240	0	280800	29.26	234.4	0	0	0	0	0	0	0	607500	232600	536200	1900000	3815000	53460	354500	0
9290	0	349400	94.27	470.7	0	0	0	0	0	0	0	1084000	470500	1173000	3666000	8648000	114400	799100	0
9340	0	214700	51.09	0	0	0	0	0	0	0	0	411000	185100	458800	1421000	3054000	28420	232400	0
9390	0	205700	37.08	0	0	0	0	0	0	0	0	450900	183600	411100	1414000	2779000	29310	187200	0
9440	0	284100	52.27	165.6	0	0	0	0	0	0	0	593900	193600	693300	4901000	7018000	64790	302500	0
9490	0	200600	32.37	0	0	0	0	0	0	0	0	401100	119200	291600	1011000	2222000	30490	143100	0
9540	0	178800	22.43	0	0	0	0	0	0	0	0	487400	96710	235800	988900	650600	21460	116200	0
9590	0	193200	25.2	0	0	0	0	0	0	0	0	464400	156700	334200	1011000	2227000	23450	134600	0
9640	0	250400	52.45	89.36	0	0	0	0	0	0	0	616000	248300	639000	2010000	4335000	59950	321000	0
9690	0	265600	34.92	0	0	0	0	0	0	0	0	702800	190900	507300	1681000	3780000	54360	337900	0
9740	0	247900	44.45	292.5	0	0	0	0	0	0	0	1108000	232100	583900	1895000	4479000	379100	2838000	0
9790	0	268500	35.02	220.8	0	0	0	0	0	0	0	892500	299300	710900	1999000	5516000	719900	5287000	0
9840	0	236800	44.35	167.7	0	0	0	0	0	0	0	803300	272500	613200	2024000	4529000	233100	1609000	0
9890	0	234600	32.94	236.5	0	0	0	0	0	0	0	634100	229400	597400	1961000	3851000	309900	2166000	0
9940	0	241500	59.94	374.2	0	0	0	0	0	0	0	782100	165000	420600	938300	2875000	631100	4663000	0
9990	0	326600	52.39	346	0	0	0	0	0	0	0	789700	182100	430400	1463000	3350000	1228000	9387000	0
10040	0	341700	38.43	0	0	0	0	0	0	0	0	709100	212500	560200	1980000	4541000	1485000	11830000	0
10090	0	291500	15.2	977.3	0	0	0	0	0	0	0	569100	154900	346200	1261000	2504000	962400	7458000	0
10140	0	314500	56.13	397	0	0	0	0	0	0	0	695000	146100	324900	1340000	2827000	1165000	9130000	0
10190	0	213100	30.03	939.2	0	0	0	0	0	0	0	565000	60620	140100	444900	1049000	646500	4641000	0
10240	0	201200	6.82	283.7	0	0	0	0	0	0	0	736000	81530	179800	539300	1223000	329500	2449000	0
10290	0	227600	30.96	353.3	0	0	0	0	0	0	0	744900	247300	598300	1940000	4056000	348000	2507000	0
10340	0	478800	90.13	405.6	0	0	0	0	0	0	0	1476000	480500	1227000	3854000	9384000	2937000	12740000	0
10390	0	258900	9.82	443.1	0	0	0	0	0	0	0	703600	123300	290600	1036000	2234000	565500	4993000	0
10440	0	355700	44.93	827.9	0	0	0	0	0	0	0	1269000	438500	1310000	4255000	10630000	1501000	11300000	0
10490	0	237900	45.89	949.2	0	0	0	0	0	0	0	1462000	435000	1160000	3469000	8096000	843900	4519000	0
10540	0	247900	71.57	310.3	0	0	0	0	0	0	0	1827000	535300	1326000	3814000	9092000	952600	6289000	0
10590	0	243900	44.92	227.1	0	0	0	0	0	0	0	2277000	528100	1280000	3941000	9951000	991800	6779000	0
10640	0	215700	70.35	165.2	0	0	0	0	0	0	0	2823000	787400	1999000	5444000	13700000	447900	2594000	0
10700	0	263500	83.91	480.3	0	0	0	0	0	0	0	2660000	752800	1896000	5774000	14610000	535700	3307000	0
10750	0	253800	56.27	0	0	0	0	0	0	0	0	2197000	666000	1821000	5906000	15140000	344900	2064000	0

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Depth	AMU21	AMU22	AMU23	AMU24	AMU25	AMU26	AMU27	AMU28	AMU29	AMU30	AMU31	AMU32	AMU33	AMU34	AMU35	AMU36	AMU37	AMU38	AMU39
2930	0	357.9	20260	391.2	1316	1646	10490	56160	1435000	21150	4483	131.9	198.7	0	1599	0	759.3	1850	271.2
3050	0	552.4	20840	533.2	2454	3479	22690	96620	1808000	64510	10760	379.9	1070	654.3	0	0	1314	2629	7124
3170	0	168.7	18150	545.2	212.3	678.2	6220	56710	1168000	18520	4331	200.2	0	0	687.3	0	353	2445	1698
3230	0	61.64	14750	411.8	1145	2379	11570	52410	1059000	20510	5313	0	4360	0	0	0	830.5	778.6	0
3290	0	255.3	12340	0	763.4	1497	13310	59540	1135000	30370	7588	92.02	2197	334.9	0	0	206.1	400	1221
3350	0	206.2	10930	103.2	273.8	1543	10980	47270	922300	23410	6633	283.7	925.2	4266	0	0	0	0	2339
3410	0	79.67	19180	61.29	1615	2138	9376	55950	1082000	21700	6161	0	2711	0	0	0	594.9	444.8	1517
5300	0	99.39	9205	93.71	476	1056	12200	53650	965900	26750	7122	43.31	2695	0	2204	154.1	30.37	1441	1116
5400	0	172	25340	497.5	1779	2710	21620	70750	1356000	42650	9351	236.1	0	3243	7395	677.2	434.4	1725	2738
5500	0	156	13400	205.3	1507	5673	51160	119800	1641000	106700	26940	0	3076	1725	10070	0	804.2	2440	4466
5600	0	1880	115900	1234	1632	5614	46690	178700	4043000	99190	24110	0	13780	2639	18200	0	312.6	2811	4083
5700	0	389.4	39430	600.6	1893	4389	31510	132300	2548000	93950	12900	0	571.3	4107	0	0	1283	3914	8974
5800	0	863.3	27870	499.2	1339	5012	28990	133800	2057000	98090	11010	336.9	2147	12130	0	0	0	4100	10040
5900	0	61.63	10720	327	1343	4323	38550	161500	1514000	134900	11560	144.7	0	2088	12420	1585	718.3	5992	18550
6000	0	227.8	29180	378.6	1114	2783	26660	88550	1563000	57880	8383	18.58	2203	1107	11150	0	907.2	1320	3067
6100	0	366.9	12770	27.03	1132	6837	51090	117100	1529000	124000	23500	0	2807	0	0	490.6	711.3	2874	9326
6200	0	1003	44600	299.6	894.6	4961	45140	162500	3164000	118900	21140	157.5	1886	7103	0	1027	568.2	2895	10340
6300	0	447.9	37720	413.7	1382	3993	42610	127400	2031000	104700	18250	0	2995	1787	19570	36.3	157.6	2822	9251
6400	0	228.9	10680	261.9	1633	3797	31920	94820	1540000	92490	14760	0	0	4406	5650	8.54	1837	4309	8085
6500	0	0	21550	124	1092	2833	16170	80070	1367000	41480	7737	0	3265	0	0	91.44	76.74	95.1	2167
6600	0	506.7	8092	541.1	1867	5741	49260	117300	1467000	120900	22660	273.9	0	0	0	942.4	74.84	2435	8845
6700	0	48.58	10270	108.5	2181	4988	51100	201500	1732000	159000	13920	65.28	0	332.6	2084	834.9	256.6	6809	18960
6800	0	575.6	11800	137.9	1534	4015	33460	82950	1216000	72850	16020	845.9	1790	2813	18590	1147	497	4572	4662
6900	0	228.3	15490	0	1915	5160	48400	123800	1647000	125000	23920	0	936.9	2742	0	0	892.7	6025	9265
7000	0	27.04	8651	2.94	1930	3366	29570	76560	1106000	72220	13000	0	0	0	0	0	1001	5505	0
7100	0	138.7	8537	135.9	726.2	5223	39210	87470	1200000	83520	19100	0	0	0	0	913.3	0	1049	5001
7200	0	254.2	28270	592.8	2272	6827	52190	133300	2377000	175900	24170	0	1014	0	18410	956.8	1066	3265	8821
7300	0	406.7	35550	410.7	2285	14330	90440	244300	2941000	247600	42580	0	1354	6318	15560	341.5	1647	7576	22750
7350	0	761.1	16330	0	1267	12610	100300	290400	2112000	267100	50190	108	0	869.3	0	0	297.6	9588	26170
7400	0	360.3	12420	349.3	2176	15190	98880	260900	2006000	255500	51150	257.3	0	0	0	0	1013	10620	22420
7450	0	289.1	15660	155.8	3956	24580	154300	557600	3269000	450600	60890	106.2	0	5833	14560	0	1124	21110	47810
7500	0	2663	58400	1020	18010	118300	810400	2817000	15580000	2788000	426500	5655	21160	4131	20520	0	9556	98250	214300
7550	0	463	25910	301.1	4519	25000	190900	1001000	4073000	725800	58530	658.6	8346	9365	9201	599.3	2032	36450	105700
7600	0	1026	27880	889.4	7350	51640	318200	1004000	5830000	928400	149600	2196	5353	7555	21110	765.4	4070	37950	85720
7650	0	1218	36810	1454	6616	54900	324200	941800	5766000	829300	155300	2163	445.2	6624	811.1	0	3320	31890	71410
7700	0	918.3	19270	538.7	7551	48350	307800	944900	4859000	818100	156900	1570	1154	1294	5741	0	1874	28700	74280
7750	0	14670	180900	1631	83530	522800	3673000	11270000	27810000	11730000	2525000	42120	55700	47660	11110	0	44870	343100	773300
7850	0	3814	42080	1161	27300	160700	1045000	2921000	15700000	2923000	629100	8867	12320	9842	11320	0	10790	108700	227600
7900	0	572.9	18580	200.9	4573	39690	227000	656100	3725000	579000	117500	1181	4295	5396	0	0	1209	26010	53350
7920	0	1136	23810	421	12270	89900	586800	1846000	9379000	1809000	309500	3091	4421	8803	0	0	4528	71450	148200
7950	0	1559	23430	429.4	10890	67100	431600	1435000	7256000	1326000	215700	2586	2012	3089	3083	626.1	3778	49820	113100
7980	0	742.3	22130	258.4	11520	69480	371400	1083000	5763000	1045000	198500	2511	1119	6358	22030	2067	3998	37040	86920
8010	0	227.5	11530	0	2406	25080	153200	477400	2675000	415400	69470	158.7	1697	8194	19000	64.11	2161	14400	37980
8040	0	1088	25990	275.5	8152	74150	439200	1176000	6698000	1095000	228000	1947	6210	0	0	0	3201	39170	96040
8070	0	1136	81000	915.1	11500	87710	500100	1285000	8324000	1212000	265200	2897	9499	470.6	5185	0	3895	44790	99700
8100	0	1532	23500	0	2620	27630	157000	408400	3310000	384900	89710	614.4	998.6	0	0	698.6	611.2	16050	29700
8130	0	879.1	21920	401.5	2453	18590	118400	281400	2561000	225800	58290	596.1	1829	3316	20070	0	742.3	5304	18860
8160	0	156.3	29650	252.3	3691	29120	176600	601200	3899000	471600	92360	649.6	3029	8812	33320	0	2429	15780	52300
8190	0	240.8	21880	94.51	1449	10540	79460	231200	2246000	170800	40600	54.75	134.8	2717	5761	1552	2587	8286	18890
8220	0	3283	119000	1525	39280	214600	1409000	4045000	21960000	3931000	891400	14079	14520	16850	10530	0	16640	133800	279600
8250	0	1806	98840	1593	5357	43340	254400	742700	5502000	585800	142600	1545	11510	5515	4080	0	2165	22380	56990
8280	0	446.4	32430	747.7	3691	28870	174000	679100	3822000	514700	82450	928.6	954.1	6002	18450	0	909	22500	58720
8310	0	1149	44500	743.2	6879	55620	316100	1063000	6739000	938200	160000	1829	3970	251.7	0	418.4	3246	34560	87750
8340	0	836.2	19830	213.9	5168	40130	257200	849700	4323000	770700	134200	1274	0	1811	0	0	3456	31800	73290
8370	0	502.2	22270	1427	8228	61100	330600	1060000	5187000	943100	172100	1771	301.4	7827	25100	1355	4972	40880	89220
8400	0	1200	12630	208	9385	69990	420600	1280000	6103000	1195000	21900	2140	1434	4442	0	479.9	3637	48270	105700
8430	0	9496	60780	1103	59380	358300	2444000	7764000	39410000	8319000	1815000	27740	10970	33040	23990	0	28880	241600	506100
8460	0	4567	61750	809.6	51440	296900	1953000	4865000	30960000	4576000	1466000	19510	12330	11640	0	1125	12890	121600	256100

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Depth	AMU21	AMU22	AMU23	AMU24	AMU25	AMU26	AMU27	AMU28	AMU29	AMU30	AMU31	AMU32	AMU33	AMU34	AMU35	AMU36	AMU37	AMU38	AMU39
8490	0	8702	114800	2138	111000	686200	4264000	10160000	34100000	9799000	3655000	58420	12140	14310	0	280	29950	234700	488700
8520	0	8066	338300	3539	97950	619800	4154000	9384000	33530000	8643000	3678000	52130	44060	19450	91830	377.8	19180	164200	311200
8550	0	6734	81590	4816	67390	362900	2500000	6305000	44160000	6051000	1901000	28540	14680	19440	4441	1482	14690	132700	259500
8580	0	4836	149600	1572	60760	358400	2464000	5826000	43360000	5502000	1974000	25310	19470	2206	0	0	12770	111800	235300
8610	0	2419	63820	1283	38840	217300	1315000	3096000	16850000	2763000	912400	13160	14870	10480	32010	0	8023	86510	176600
8640	0	5215	43650	1006	40590	242000	1509000	4760000	24360000	4722000	948400	15380	14200	20550	0	1259	18190	156800	328700
8670	0	1877	44070	606.5	17030	116700	707200	1834000	10000000	1610000	402200	4619	899.4	9677	3855	0	3691	64990	124200
8700	0	923.4	25340	265.3	12900	86370	521700	1364000	6954000	1176000	289500	2058	266.8	2568	0	725.8	2632	41890	95740
8730	0	1652	63590	1251	18960	126100	750300	1941000	11400000	1751000	409200	5453	4417	8322	23380	1810	5450	62550	126900
8760	0	5480	85800	2647	52150	285900	2098000	6382000	36330000	6202000	1358000	19730	14730	19950	33320	0	15300	168800	363300
8790	0	334.8	28970	552	3676	30970	173300	594800	3562000	487800	93010	1276	709.5	6490	18770	1265	403	16680	44160
8820	0	752.7	26200	814.1	3260	40550	228300	622100	3564000	543800	117200	997.2	2251	0	5749	0	2137	15380	38320
8850	0	346.3	31020	613.6	2998	26680	150900	428600	2952000	373800	76170	659.6	2270	0	1577	1145	280.5	10870	27000
8880	0	1087	55060	831.9	10010	79970	474900	1556000	8584000	1375000	236600	3779	5508	12720	19910	547.9	4212	51230	121900
8910	0	1074	58780	1355	4647	32670	208500	688500	4748000	599100	106500	1723	6989	14210	0	0	734.9	20940	52080
8940	0	88.25	32750	387	2589	17400	123600	295400	2728000	259500	66170	288.1	0	2235	0	0	1076	6050	19050
8970	0	940.9	61550	768.4	2577	16350	99050	255900	2978000	231700	61530	293	5427	0	3712	0	599.5	7582	15120
9000	0	1318	74100	587	17420	114100	619800	1492000	9477000	1226000	381300	5751	5182	8443	7303	711.2	2628	33700	79880
9030	0	594.1	52730	1278	2067	16700	103300	217700	2716000	207700	52960	380.1	4028	647.5	0	0	0	5192	11590
9060	0	59.31	31340	0	1420	21820	147400	399900	2777000	395000	75610	251.6	1207	0	25700	0	227.9	13040	33780
9090	0	1555	43790	516.8	3412	30660	191100	425700	3423000	335100	108200	1120	0	979.8	34400	1085	254.6	7190	15760
9120	0	158.8	21810	80.66	2992	22580	152900	363600	2982000	313000	85510	262.6	1104	0	134.8	528.8	0	7247	18680
9150	0	332.9	13470	122.1	4310	13100	100700	281800	2323000	234400	48020	919.9	2975	5424	23560	1040	963.7	6171	18720
9180	0	178	16950	279.3	1821	5305	55570	115100	1639000	111100	31520	0	725.8	888.5	12760	0	517.4	1768	4747
9210	0	353.1	24790	163.3	3371	19700	136900	361800	2421000	342000	63350	460.3	1910	3574	19880	0	349	9412	25150
9240	0	417.9	17520	962.6	2541	8833	69740	131400	1654000	130400	35520	26.71	0	6522	3827	1873	0	3930	8069
9290	0	0	33490	0	3054	22530	156400	355000	3133000	292800	85710	195.9	0	824.1	0	0	722.8	6376	20160
9340	0	551.8	10640	310.3	0	8603	67660	122300	1421000	127000	33230	272.2	0	0	22020	2791	481.9	2687	7621
9390	0	174.1	13030	285.4	1647	3443	46080	103400	1742000	90410	24760	0	570.8	274.6	12420	0	750.5	3073	3566
9440	0	0	20090	214.4	2348	7686	63620	155900	2938000	125200	36030	101.4	0	0	1676	270.2	762.6	3581	6474
9490	0	0	13340	0	2472	3345	33540	74490	1473000	58280	18550	0	0	1313	0	222.1	781.3	735.9	2258
9540	0	409.3	20120	1112	2056	2438	23220	78890	1338000	46120	12280	995.6	1464	19000	0	90.43	0	406.2	809.6
9590	0	607.3	13170	112.4	881.1	5459	39160	100900	1480000	65100	21350	226.4	4002	0	0	0	1429	513.5	1161
9640	0	348.3	14310	611.4	3254	7610	53480	124300	1819000	103300	31130	0	1342	0	8530	0	1549	1141	4740
9690	0	188.3	22710	199.8	1397	6973	52980	135100	2045000	119100	23260	0	694	3217	16700	0	553.8	3229	9558
9740	0	278.3	53910	944.8	2150	3033	31180	91700	2047000	63290	12910	545.2	14970	1044	0	351	1406	1015	2881
9790	0	164.1	33340	540.5	2407	1815	24330	82320	1594000	47910	12990	377.3	23580	10180	685.9	0	381.1	0	977.2
9840	0	82.67	28750	113.5	2326	2795	32940	89610	1746000	71700	15680	176.9	6582	9226	18930	1348	0	987.3	4366
9890	0	367.2	21340	494.6	2312	1629	15640	65010	1281000	32120	8704	435	13190	1403	0	326.4	0	1791	176.9
9940	0	21.16	35320	32.93	308	0	8348	47230	1199000	21060	6285	504.3	29300	3270	13180	748	882.8	386.4	1859
9990	0	2535	36550	1243	481.2	505.7	7844	59030	1354000	17810	5098	1544	51730	7953	25420	0	740.9	958.4	0
10040	0	2090	26330	1484	2108	722.5	6042	43190	1489000	15840	4247	1721	58750	4204	30200	955.3	1925	845.6	1190
10090	0	259.8	26560	275.6	2349	719	5949	44680	1166000	15120	3296	1014	39090	952.2	17380	253.8	272.4	0	732.4
10140	0	0	36330	226.3	1138	1166	11770	68870	1559000	32050	7096	568.2	48640	1500	35820	0	916.4	364.3	845.8
10190	0	280.2	33650	501.1	1153	756.8	5387	46060	1143000	12690	3605	996.2	37000	0	0	0	1187	1108	414.8
10240	0	103.3	46150	218.6	1151	295	7009	46910	1470000	16760	3195	263.5	17440	0	0	0	213.1	645.1	0
10290	0	329.9	33510	702.8	1312	5503	33880	102700	2132000	64050	16780	527.1	11610	14060	22230	76.44	0	704.5	2749
10340	0	652.6	68180	1854	2528	1869	24940	102700	2262000	55580	15980	1854	132000	13000	15000	233.9	2076	1193	1845
10390	0	315.9	40680	632	1226	1356	8913	53730	1343000	18180	5266	416.3	30110	0	0	1893	0	2200	0
10440	0	702.5	44850	1808	1378	1274	13640	82230	2273000	29420	8335	1100	53980	8081	0	266.4	199.5	92.55	2627
10490	0	261.1	63500	687.9	1022	1496	9802	105300	3394000	29040	7447	392.3	25160	1805	8086	0	241.5	1222	957.2
10540	0	353.6	80410	620.3	0	1349	13730	138900	3534000	34070	8318	525	44880	2006	0	1293	0	46.54	1326
10590	0	1142	127100	721.9	1907	2232	22330	112800	2486000	44050	15240	879.9	47440	9417	24990	0	0	114.3	1887
10640	0	3127	130700	3341	1634	6948	39320	181200	3821000	81770	21860	350.1	12290	3617	37030	0	656.2	2461	2595
10700	0	812.9	135400	984.5	2077	4474	41180	138500	3060000	75900	22600	228.4	15880	9377	29820	0	0	555.3	2385
10750	0	2113	79160	684.3	776.4	4406	27500	103400	2425000	53820	16900	116.3	2902	1578	24110	0	0	1758	1992

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Depth	AMU40	AMU41	AMU42	AMU43	AMU44	AMU45	AMU46	AMU47	AMU48	AMU49	AMU50	AMU51	AMU52	AMU53	AMU54	AMU55	AMU56	AMU57
2930	8039	5824	6395	7156	235700	6363000	133300	15690	0	1723	545.5	3348	8463	8406	3667	4448	2260	1119
3050	31620	11770	51950	24310	262100	6575000	123600	20060	318.7	2182	1899	3943	4191	2460	5051	1764	9249	8605
3170	5681	4422	10730	3519	182400	4526000	97350	13010	0	0	320.8	1581	3784	2674	2945	2258	846	1910
3230	7653	3263	9258	5774	170800	4245000	92150	12540	0	0	0	507.8	5474	1425	1211	0	2539	2009
3290	7572	3193	15200	7093	146200	3867000	87460	10330	350.5	8015	332.7	788	1522	338.4	555.5	1280	1640	1338
3350	6152	4598	11150	6241	116200	3038000	65870	6005	0	0	0	721.2	1902	1446	1546	1009	2036	2601
3410	6283	3772	10150	4696	201200	4690000	104400	10900	0	0	4164	3359	5058	4887	4631	2410	1254	0
5300	7820	4345	13720	6356	106000	2626000	54660	7065	0	756.9	0	3868	2371	825.5	1885	0	0	1932
5400	15820	7964	30250	14800	259200	6554000	135300	16880	0	0	0	2484	2571	2134	3359	1679	3074	3272
5500	44140	11950	71020	37110	189600	4093000	92980	6889	241.3	5721	109.4	936.3	5720	4680	4656	3202	11530	12110
5600	37960	17330	66520	34580	1284000	3507000	680600	89840	1510	1170	2544	4145	5054	0	764.4	2897	9691	8256
5700	58910	21380	110100	59970	447500	10780000	215000	32000	0	1693	2927	4911	6571	5031	5957	6684	23170	28460
5800	70080	19460	138200	77400	400800	7613000	158900	21020	330	489.3	3374	4011	5918	5177	7949	4145	28300	34270
5900	112500	29070	220800	123700	327600	2979000	62720	9226	86.06	1812	4607	8958	6801	2028	7674	1996	34690	39040
6000	30360	9493	48130	23190	286900	6691000	142300	22900	0	3020	4381	3087	3327	4765	1402	3155	8086	10610
6100	60930	16140	95380	46370	184200	3672000	84570	9362	308.3	4390	3782	4995	374.1	2630	6143	3246	20410	23890
6200	61780	23740	114600	59000	498700	12380000	229200	31830	108.9	1148	2192	2963	5744	2725	2734	3497	25590	27430
6300	53280	16380	91740	45230	371000	8418000	177100	23580	549.7	0	1676	2667	3619	2578	3636	2678	22700	23100
6400	32990	11640	56450	27610	112300	3394000	62850	7229	145.3	0	1748	775.3	0	3906	2664	1495	12860	15110
6500	17780	10530	31300	13980	204700	5279000	125600	15650	57.79	600.4	1113	3604	2702	0	1508	2037	4134	5465
6600	56920	13970	95090	54200	140300	2255000	42970	6005	0	0	3657	5529	5179	3425	2510	1862	24510	24130
6700	133900	34550	261300	153600	336600	2705000	60100	6595	0	82.55	4742	7510	10130	4039	14160	11070	53670	61720
6800	31870	9809	52710	27860	149500	3111000	62680	8927	481.6	1112	4434	3989	2209	0	3671	3747	9514	10220
6900	60750	15590	98840	50270	208900	4158000	82530	10800	685.4	6211	4520	5163	8130	5841	5638	3545	20160	20570
7000	34780	8850	55160	27070	124300	2467000	49620	3045	0	0	2003	2434	6033	2469	5489	3270	9628	10310
7100	33100	9875	54470	26350	117300	2512000	54340	6744	569.6	1194	3577	3024	4762	3316	4083	2067	7619	8566
7200	53160	14660	88680	43330	308100	8832000	161800	21850	241.4	3885	1983	4036	3668	3672	1634	0	15820	17050
7300	122700	33390	193400	104000	450000	9943000	186400	26470	0	1431	1779	4188	6559	5993	8717	6421	40480	45290
7350	135600	34040	214700	113400	332900	4148000	88540	7212	364.1	12290	2632	9743	5621	4347	8170	7234	50230	54680
7400	122700	28020	191900	101800	279000	3463000	73820	8002	0	0	4114	6144	8531	5892	11190	5854	43630	45150
7450	312200	89080	605400	312200	671000	4334000	90570	11310	611.6	6165	3950	19450	31150	14910	54080	47180	293200	269200
7500	1283000	327400	2644000	1494000	3489000	17950000	395300	53000	1854	9450	12090	62990	113000	50350	169700	137800	946400	901300
7550	778900	230500	1839000	1087000	2080000	7294000	151800	22860	830.1	11470	7925	54670	92320	37740	141700	111100	711100	815100
7600	448200	115500	811700	452600	1123000	8146000	194100	20680	597.3	12840	4006	25030	36650	13510	54160	35020	229900	227200
7650	356000	88130	623400	342100	987700	9938000	231600	31270	0	3330	3615	20080	27320	7971	34630	21170	148200	144600
7700	382000	99770	695200	380000	1001000	5180000	122400	15060	0	9139	5601	17860	28630	8055	35590	25530	183300	175500
7750	3959000	1116000	8290000	5229000	13770000	47790000	1637000	136900	5140	18250	52140	240600	318900	166100	430000	364000	2529000	2867000
7850	1083000	255500	1880000	1055000	2899000	12400000	342400	37350	2053	16060	11610	56330	71100	29880	97490	70530	430200	484500
7900	294200	69520	516200	266900	693300	4775000	130100	11970	13.51	6092	4420	15980	24770	6739	36400	29900	171300	173000
7920	762400	185900	1474000	762200	2078000	8648000	218000	17280	0	7470	9632	44770	56340	19180	78750	54740	367700	379600
7950	625400	155300	1190000	619300	1658000	7420000	188500	22530	1121	18000	9062	33190	51210	20040	62450	49820	316000	336100
7980	396200	101700	698900	360900	1073000	6406000	154300	14650	1283	10030	8134	21100	29270	8747	35330	27240	160500	175600
8010	230900	63550	419100	230000	524700	3066000	77320	7018	497.3	221.2	2879	12830	19460	6600	34300	27170	160500	163200
8040	402600	100400	668200	344300	1077000	7575000	199800	22520	1158	11800	4581	24770	25940	9698	32000	22260	147500	146600
8070	440600	115700	764200	385700	1440000	20880000	513800	67530	1132	5113	3150	23940	29530	10930	37770	26490	162700	165800
8100	145100	40760	212200	113400	375200	6443000	148300	17130	0	5005	3633	6889	6174	1814	13020	9741	67170	60730
8130	123500	32550	215700	112700	302900	5430000	114900	14400	112.4	0	1611	7876	13350	2777	18230	18210	102300	93530
8160	300700	84860	647900	363100	854700	8741000	193000	16960	285.1	6683	7946	21610	34850	16340	50250	45290	285200	298700
8190	119600	36310	236600	137500	348200	6476000	152600	20560	573.1	1792	3115	3654	14520	5628	17720	18160	91760	94440
8220	115600	383100	2648000	1546000	4191000	26116000	755700	85350	1390	14720	14950	89760	104500	45790	134100	116900	625400	711600
8250	542400	105000	231200	112960	1275000	26225000	591100	97340	878	1471	7015	28370	39860	17290	55900	54050	319300	305800
8280	391300	102900	859900	481100	1061000	9702000	209200	30960	710.8	9216	3743	23310	48700	52270	64520	56430	312000	334000
8310	454900	130200	923200	502300	1377000	14750000	317600	41370	1413	6522	5219	34160	39190	19760	55310	47560	301700	278500
8340	395400	28690	701100	385100	1030000	5564000	131100	15390	0	0	2093	5550	54570	13720	80990	35220	223000	205300
8370	411700	116700	801700	445500	1156000	6405000	158900	18650	836.7	8758	3609	27180	17820	15160	58840	45090	241000	243000
8400	173700	118800	895800	447100	1295000	3982000	104600	10030	333.8	9488	1462	25800	36690	15000	44660	60930	195900	200000
8430	2706000	803600	5731000	3070000	9349000	20460000	606000	34230	2585	12610	30730	100500	216600	101500	285700	244700	1589000	1785000
8460	1150000	307900	1766000	1272000	3800000	17490000	613400	21480	2355	11800	8633	59070	84190	20750	96530	60750	648000	650000

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M/Z	AMU40	AMU41	AMU42	AMU43	AMU44	AMU45	AMU46	AMU47	AMU48	AMU49	AMU50	AMU51	AMU52	AMU53	AMU54	AMU55	AMU56	AMU57
8490	2159000	580400	3941000	2464000	7759000	31900000	1242000	103100	2013	12880	21020	108900	145400	52640	150400	115100	700100	800000
8520	1369000	339700	2295000	1343000	5319000	61760000	2702000	265500	2729	9076	9248	57320	60630	23420	71600	36280	261900	290800
8550	1220000	275300	2165000	1197000	4191000	23330000	648000	64580	2016	10060	5064	52850	59460	20090	60730	35360	244700	288900
8580	1034000	262900	1830000	1083000	3687000	34940000	963200	93040	1902	4846	7566	44470	49270	16620	59020	34440	233000	281000
8610	813300	206400	1446000	823700	2484000	15940000	496800	52150	820.8	11380	8089	41980	56280	17000	57420	36810	219900	256000
8640	1688000	437500	3328000	2009000	5464000	12110000	406200	33780	2708	9302	24280	111200	131300	56440	165400	109800	688300	815800
8670	574200	150800	1052000	589200	1699000	12180000	319800	36850	124.3	493.4	5728	31570	37720	14800	50960	38550	232000	234700
8700	426200	105700	730600	408300	1200000	6704000	187100	24350	1391	11540	2651	21100	25080	8076	27800	15600	104100	125600
8730	618800	143200	1123000	623300	1912000	17480000	427400	50440	3330	13010	8384	22110	37780	12090	49020	26250	196400	226600
8760	2064000	510200	4481000	2663000	7519000	24280000	595200	66750	2032	10910	21080	103400	142100	52900	185800	95310	701900	1014000
8790	279000	80550	583700	350200	803500	8543000	174900	27970	0	0	1138	16590	29380	9619	44440	35170	221000	239700
8820	207700	50420	374700	197800	563000	5790000	139600	18650	316.3	4216	1333	5853	12610	0	17770	13890	90880	100800
8850	142900	36490	254900	137100	438600	6398000	146600	15320	0	7136	3011	7762	8854	1371	15090	10170	70940	70390
8880	626700	153400	1258000	752500	2056000	14940000	359900	44570	124.1	642.3	2940	33730	47870	22550	59200	37640	228000	281900
8910	263900	71470	543400	298700	993700	15340000	314700	49110	374.5	8928	4612	12530	16900	3968	26930	14780	105700	134200
8940	103400	26600	191100	104400	367800	8107000	175600	25920	0	0	3156	4358	4901	5070	9761	4290	34680	47390
8970	97520	28040	170300	98550	505600	13510000	291700	45160	0	0	899.8	3371	7532	646.7	9114	4539	43730	43680
9000	367200	96410	667300	360500	1252000	17850000	435900	51130	0	0	3445	18500	25790	3498	19170	13230	116400	131600
9030	74660	21520	129800	71010	409600	11670000	308200	47690	717.5	12050	4251	156.2	0	974.8	4416	5996	28180	33740
9060	185400	48130	321100	177300	495400	6649000	155000	17980	653.8	6370	1275	9393	11450	6539	21390	13790	108000	109300
9090	99070	23550	178000	95820	404100	8948000	204200	27710	205	5130	4346	2938	3284	0	8168	2345	35480	38330
9120	117700	29670	208600	113300	329900	5474000	118400	12140	566.6	0	1167	2544	4892	0	13680	8913	50820	49940
9150	142000	39800	285100	164600	344900	3863000	80420	11700	0	3867	6585	5844	8579	932.9	15860	14640	110000	119300
9180	40000	11360	65880	37740	162200	4554000	92090	11870	0	2423	2980	876.9	3064	0	0	1234	19330	15970
9210	162000	36440	313100	168400	480400	5195000	121700	12840	0	0	2678	5995	8646	1101	17340	10480	89490	103300
9240	57540	14240	101100	59880	199400	4501000	100200	14010	0	0	3278	4009	4035	3874	2949	1321	29720	36530
9290	114400	26840	179400	107900	332100	7418000	149400	25770	170	0	5205	3857	2020	1453	3887	1318	32730	41590
9340	49360	11330	88900	49980	140200	2578000	47830	7489	0	7.15	3618	2503	1519	1726	4154	2056	15680	16500
9390	32020	12230	51510	25630	126300	3343000	56940	7489	0	4417	1752	3938	1268	2864	1618	1287	10600	9768
9440	46380	16390	78270	38660	188000	7140000	95020	9044	0	191.8	2294	4645	3996	5086	3562	0	19810	15810
9490	22780	7444	44790	18450	102600	3683000	60780	7389	0	38.27	340.3	70	2354	1267	3770	2017	11880	11780
9540	17980	4590	38270	17190	150800	4600000	87780	14220	0	1274	0	1216	2563	0	5428	2583	7708	8263
9590	18290	7934	42000	18700	118700	3483000	66510	11010	74.1	2560	1327	2031	186.3	2219	0	2167	14460	11250
9640	42400	10610	77070	41840	152000	4047000	86880	9084	1985	9318	4316	3659	4512	4491	6248	0	17970	22700
9690	72880	18210	137500	77630	244500	6089000	125600	11700	529.2	603.8	2902	3547	4912	0	4577	1637	32270	39930
9740	30130	7836	55150	33180	321400	12440000	248900	28510	0	0	1599	1931	1268	3825	3761	136.5	16720	15730
9790	18990	7494	35940	15990	212600	7724000	187200	19950	100.1	0	3229	3806	2055	975.4	2575	3806	9170	12300
9840	35300	11840	69600	36490	227600	7037000	151000	19350	1161	0	7067	3788	0	3343	7156	3494	21780	23210
9890	16820	7551	32180	16540	153300	5145000	119800	17890	0	2158	1730	2314	911.1	1957	0	1354	10540	11040
9940	7639	4951	14500	7840	391600	12000000	203300	29180	1071	7479	1070	0	0	3631	0	0	6226	3526
9990	5678	3301	9614	4390	221400	2430000	118500	5390	0	0	0	208	1647	3458	2080	3110	5681	3976
10040	2857	9169	8962	3755	173400	7964000	158200	16120	0	0	0	0	826.7	1406	453.4	3628	4306	3857
10090	5731	6386	12330	5357	158900	6920000	156800	14090	102.2	4886	2683	5057	4741	2740	1721	2956	4988	5011
10140	12240	10930	27000	12630	209300	9188000	185300	23370	45.16	4047	2184	0	1511	2010	1385	1531	7940	7031
10190	5046	7181	9415	3794	195500	8238000	178900	33940	330.3	2461	1122	1471	1840	1110	3887	1080	4798	3463
10240	6161	4780	10110	3261	249100	10400000	228000	39320	4.64	5339	4849	3614	4489	2409	110.3	0	5102	2791
10290	29420	11430	52660	29840	202300	7386000	164100	24600	86.88	0	2226	6766	7636	4625	2034	4831	15880	15810
10340	20940	13340	30540	15450	362100	14140000	402100	49010	257	4564	2613	1722	2641	4991	2339	0	10250	7182
10390	6194	4861	12790	5177	225100	10140000	216500	44790	0	3492	100.5	0	1702	3812	0	0	4300	2480
10440	6960	7547	16140	6926	266600	12100000	244900	34220	0	0	4281	2607	130.5	0	757.8	0	3315	3192
10490	6795	8661	12950	5444	306700	13530000	313000	46960	624.5	0	3808	2225	0	2276	488.5	251.9	5536	4849
10540	8142	9474	16550	7606	448800	16240000	446800	67090	0	0	1597	0	0	0	0	672.7	5974	5001
10590	13580	11590	21300	11580	598000	25400000	694000	108000	694	8957	2794	3901	3206	0	167.6	0	5890	4110
10640	22720	12740	41250	21990	625000	25690000	707100	114000	733.1	2060	926.9	0	381	3038	4325	2357	14450	12620
10700	18460	10550	33700	16640	580600	25440000	624700	99200	601.4	0	1432	4094	2367	5529	520.9	1894	7734	9193
10750	11370	8949	21680	9932	419900	20200000	408500	61640	1338	10440	1457	1822	2829	5002	2833	0	6687	6077

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2930	1383	1356	0	247.2	35.34	44.51	25.05	0	21.09	184.8	384	352.8	680.1	776	665.2	130.7	18.35	21.2	27.39	121
3050	8799	1933	0	206.4	41.86	226.9	153.2	520.9	340.3	638.4	1314	998.9	2051	2652	1075	700	45.81	34.73	32.73	258.6
3170	58.12	269.8	0	203.7	27.69	18.37	0	0	0	118.5	139.9	153.9	270.8	308.9	353.9	161	8.3	14.21	46.06	156.5
3230	2167	1210	0	448	31.27	77.76	43.75	0	98.69	0	343.3	183.1	447.7	591.4	410.3	112.2	17.78	10.54	123.9	195.6
3290	2617	1091	2384	189.2	22.24	117.4	63.58	304.8	32.94	255.6	405.9	334.2	555.5	685.7	471	235	7.45	2.22	48.47	196.8
3350	2453	859	0	101.9	92.96	150.5	10.25	259.9	22.62	96.64	242.4	172.9	660.4	834.5	405.9	139.6	20.86	23.44	6.78	15.83
3410	730.9	244	2900	170.8	42.69	35.22	39.48	0	72.2	106.6	305.2	238.1	430.6	531.7	421.8	120.3	11.25	30.53	31.62	145.2
5300	2720	886.6	0	102.8	4.82	142	67.52	735.7	74.16	11.84	145.6	325.3	616	561.3	346.3	211.9	19.52	42.46	66.33	54.31
5400	4184	1094	0	143.3	29.01	114.4	159.4	206.9	131.2	457.5	595.1	519.9	1204	1095	642.7	297.8	10.24	18.05	15.85	233.8
5500	11420	2093	0	189.2	113.1	277	160.7	319	591.5	503.1	1587	1652	3230	3121	2751	1080	83.56	54.39	14.97	319
5600	11170	1596	0	645.9	43.8	206.1	132	958.1	511.6	465.8	1392	1373	3127	2808	1782	670.6	79.73	191.3	59.71	763.3
5700	22530	3925	688.2	1064	165.6	520	566.8	427.7	895.7	1425	3728	2892	7620	5327	3567	1261	177.2	114.5	121.9	688.9
5800	30850	5810	0	1386	327.8	614.8	477	955.3	796.5	1244	3151	2980	7884	6674	4732	1901	211.9	209.9	74.86	1622
5900	52320	12440	19690	908.8	362.7	397.3	800	456.5	1202	1360	3441	2498	7265	8323	8073	2774	347.8	178.5	228.7	2175
6000	7466	1885	2624	568.7	111.2	156.2	208.4	159.3	354.3	805.2	1617	1207	2280	1869	1252	588.6	31.65	64.62	75.45	696.7
6100	17990	4386	2376	768.2	168.9	348.6	520.1	368.5	791.6	1149	3291	2847	7519	5209	3395	1130	94.09	246	145.3	594.1
6200	20500	4864	6314	750.5	80.39	384.3	466.8	670.6	817	1809	3347	3052	7450	5156	2972	1424	147	248.3	107.6	1015
6300	18910	3755	4656	481	110.1	463.6	516.7	463.8	789.5	1306	2843	2853	6210	4361	3049	1208	174.8	285	122.4	1247
6400	10030	2400	3094	299.7	82.04	321.7	188	8.51	603.5	832.7	2197	1325	4020	3482	2299	820.3	88.35	134.7	165.6	658.1
6500	3959	971.5	0	711.8	54.01	243.1	234.8	231.3	390.1	701	1468	1112	1793	1843	1066	332.9	82.18	150.1	47.59	562.5
6600	19960	3765	0	2677	261.3	626.8	717.4	37.36	1356	1031	4100	2726	7776	7021	4284	1672	201.5	249.6	70.09	1364
6700	74230	11080	9137	1266	454.8	1036	867.5	299.6	1691	2089	5389	5492	13430	11490	12280	4018	334.2	300.5	218.9	1988
6800	10180	1714	349.8	343.7	53.65	251.5	232.9	290.7	623.3	1269	1727	1234	3530	2089	1242	688.1	63.24	52.6	0	419.3
6900	17290	3474	0	3072	172.2	506.5	392	169.7	894.6	1337	3550	3026	6413	4643	2927	1103	137.7	271.5	111.1	916
7000	8483	748.8	0	405.6	133	233.2	256.9	0	334.3	362.5	1772	1107	2602	2222	1565	617.5	62.68	70.83	19.85	541.4
7100	9033	1935	144.2	247.9	3.58	189.4	285.2	243.4	247.9	192.6	1408	1069	1866	1870	1172	508.1	48.72	55.59	214.6	323.3
7200	14550	3063	2793	520.4	82.67	435.8	372.6	237.1	742.4	1237	2454	2269	4123	3293	2419	922.2	140	65.05	81.11	725.5
7300	39690	7394	3149	1153	259.6	695.1	840.1	402.5	1214	2425	4301	4519	11360	7590	5709	2888	382.2	278.7	99.72	584.2
7350	46980	10480	5970	292	245.6	830.9	797.9	684.5	1673	2068	5737	6643	13740	9582	6678	3405	452.9	309.1	137.9	1373
7400	39750	7416	5710	367.7	337.2	629	701.2	448.6	1618	1738	5088	4694	12110	7625	5726	2912	295.3	279	208	501
7450	187800	19630	12030	8313	1103	3098	4856	2170	9199	12540	31660	42370	91970	67900	44880	9689	866.8	1208	955.9	13970
7500	791800	98760	45910	48170	4061	11510	14290	6527	31540	44920	116800	158100	149100	136800	136800	50050	3792	2750	4641	65110
7550	623500	50950	26210	22190	3075	8635	10690	4211	20010	28460	67590	79310	141500	131800	128400	29470	2601	2415	1771	23760
7600	213400	40620	22460	24770	1742	4316	3639	2625	7492	12100	28730	32600	79790	62700	41310	14060	1412	783.7	949.1	11670
7650	157600	33890	13640	10210	863.9	2957	2148	1150	4891	5485	13780	17640	40300	35630	26080	10560	922.7	605	150.5	3321
7700	198700	33030	18640	5269	848.9	2657	3053	737.6	5232	7111	20780	21700	49180	42270	34220	12060	948.2	575.5	316	5530
7750	2980000	549500	259600	45720	13480	36460	39320	23030	80530	123500	151500	306000	135000	121500	112500	65440	20620	12170	8688	66960
7850	449900	104700	53550	10420	2242	5954	6563	3300	12740	19390	43160	56340	138200	124100	82130	33010	2662	1573	1012	7141
7900	156200	24550	20810	7837	846.7	2565	3410	1518	6925	8655	21270	21510	60300	45180	32100	8405	666.7	790.7	499.3	4689
7920	351200	70410	36410	3983	1919	4563	6163	2536	10900	16330	38650	45270	113800	97120	61390	22430	2184	1316	742.7	4264
7950	305900	56700	31890	2815	1370	3654	4215	2683	9075	11600	29970	36660	87770	69500	52600	16180	1641	830.7	796.9	2660
7980	174000	38950	19090	1136	731.8	1638	1939	236.7	4446	6268	14670	19730	43700	35010	27530	10460	810.8	412.6	198	1916
8010	133600	17570	14870	1802	638.1	1704	1939	1063	4622	6835	17200	19260	43760	32760	25400	5929	707.6	364.7	541.6	2724
8040	151700	40700	25850	1659	647.6	1846	2158	1319	3837	6362	12200	14690	35890	31800	21170	8823	925.1	363.2	351.1	2547
8070	164500	42040	31140	3850	787.4	2059	2657	1500	4221	5110	15240	19440	40430	31450	22940	9745	867.3	419.3	506.5	2024
8100	59690	10640	10130	6086	348.9	1286	571.3	959	2262	4057	7101	7250	17980	14130	9731	2847	217.4	191.2	283.7	1078
8130	66250	4208	0	4482	413.9	1319	1296	1075	3546	2857	11120	13110	26790	15080	12550	2364	254.6	655.8	598.3	1194
8160	196000	17340	10090	18690	1102	3851	4254	1810	8091	12740	30210	36440	80800	46550	34060	7916	675	1242	967.6	8845
8190	73800	7401	10250	8542	955.8	869.7	1377	227.8	2114	4089	10790	10610	24090	15820	11000	3347	193.4	401.4	244.6	825.6
8220	728500	156900	71300	6992	3544	10010	10760	4214	22600	28940	70140	94380	141400	136200	134800	51620	4153	2993	1197	10340
8250	230000	21940	11910	10670	1421	3652	4609	2804	10380	12180	32860	40710	89100	50900	43450	10620	894.9	1560	870.1	9358
8280	254100	27700	8885	3591	1385	3794	5383	1992	9220	14600	35250	40620	106200	60230	49770	13000	1329	1968	1540	4656
8310	260100	38120	26850	2235	1090	3257	4060	1647	10440	10310	27520	34600	79070	49010	40870	13370	944.5	965.6	355.8	4902
8340	209700	34560	22770	2047	970.8	2625	3563	1468	6027	7870	20310	25940	57450	45900	38460	11520	1157	224.5	719.6	2979
8370	224900	42300	19130	2877	1155	2895	3702	2302	7496	7729	21060	32420	65960	51370	41210	13170	1225	629.2	792.5	2933
8400	240300	43050	29020	6468	960.9	2646	2940	1486	5931	7808	17190	23680	52530	50850	49150	12880	1026	835.6	365.3	3602
8430	2010000	366400	195200	44770	7322	19780	22400	8933	42880	54780	134500	225600	130000	116400	115500	78880	12290	5286	3229	21000
8460	598200	114900	53530	17340	2620	6951	6895	3669	12030	17570	34980	55630	122300	122200	115800	39850	3268	1552	1338	9751

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M/Z

Depth	AMU98	AMU99	AMU100	AMU101	AMU102	AMU103	AMU104	AMU105	AMU106	AMU107	AMU108	AMU109	AMU110	AMU111	AMU112	AMU113	AMU114	AMU115	AMU116
2930	215.6	97.75	0	31.22	8.8	0	15.92	236.1	0	57.16	8.94	41.5	5.57	0	83.55	20.23	0	0	1.85
3050	200.8	262.7	69.58	36.59	0	53.04	19.22	0	175.4	147.2	0	39.2	39.35	49.24	132.9	66.24	0	0	90.15
3170	134	36.22	14.63	14.77	0	32.44	28.86	185.8	77.93	0	53.36	138.9	38.91	0	0	21.05	0	22.48	35.54
3230	63.83	68.54	18.53	4.17	0	0	37.55	0	225.8	0	6.75	0	19.68	0	67.57	34.3	0	5.25	3.18
3290	139.3	105.8	49.92	13.88	8.58	0	7.73	1698	0	26.81	33.75	0	0	0	9.91	33.17	0	1.43	0
3350	119.9	91.76	0	22.5	0	6.24	19.56	0	0.26	167.3	0	0	15.86	197	60.59	32.11	40.74	17.56	0
3410	66.22	106.6	24.36	21.24	2.31	0	15.29	163.4	82.64	0	0	0	0	76.62	13.03	25.56	54.31	4.14	3.03
5300	79.37	40.85	97.11	0	5.24	0	0	2.23	0	26.47	13.1	26.65	0	9.33	31.51	23.26	0	0	0
5400	247.8	225.6	25.04	34.47	7.14	0	21.21	0	0	0	0	0	24.69	30.31	81.18	39.73	12.76	16.14	25.31
5500	581.6	540.8	79.92	106.9	9.23	0	167.7	27.77	1.15	21.77	6.11	17.67	93.27	87.61	160.5	0	9.8	21.67	0
5600	643.5	553.6	89.49	94.09	5.55	20.45	79.39	157.9	0	0	6.14	20.63	0	124.2	126.9	0	10.34	27.43	0
5700	921.1	1543	370.5	146.2	0	253.1	0	0	74.58	41.92	0	129.5	155.5	156.9	237.1	348.2	0	3.86	0
5800	1253	1075	359.7	143.3	17.65	0	10.18	245.5	97.98	90	93.39	140.8	152.7	255.4	138.5	349.7	71.4	111.8	26.37
5900	1429	1164	315.1	319.7	34.17	233.8	0	0	64.69	3.35	96.85	114	348.1	424.5	701.9	342.3	90.97	81.77	1.38
6000	490.3	360.1	70.25	83.88	0.88	0	0	0	135.5	5.66	0	100.2	186.6	405.7	118.7	144.8	154.5	125.7	41.99
6100	1283	1178	174.2	125.9	11.21	0	28.7	673.8	189.1	155.1	0	0	252.9	441.9	526.4	258.2	47.52	56.29	5.29
6200	733.9	898.4	207.3	82.27	11.69	0	0	0	133.2	69.53	0	0	191.8	103.7	235	265.2	59.27	89.18	64.21
6300	1046	979	234	144.5	0	59.76	0	285.7	54.01	10.89	0.46	105.3	55.85	447.7	339.3	287.7	80.79	20.01	65.03
6400	803.6	622.9	182.8	54.34	0	0	19.83	0	43.31	4.09	96.49	84.16	124.6	65.56	140.8	152.4	30.95	48.17	0
6500	261.9	354.5	23.73	82.73	37.87	0	0	98.99	0	16.44	0.92	102.5	41.38	226.3	141.7	216.9	52.1	0	0
6600	1440	1249	337.3	166.8	0.02	0	0	0	248.5	191.3	27.07	23.49	125.4	55.89	497.2	387.7	69.12	146.2	0
6700	3036	2417	741.2	595.9	24.33	132	0	213.2	306.3	490	0	350.3	433.9	516	843.4	789.4	232.1	135.6	100.7
6800	265	404.9	144.5	106.4	14.12	0	0	281.3	0	99.49	56.61	132.6	70.44	0	167.3	190.5	53.45	130.5	0
6900	1508	1498	408.1	105.2	0	60.58	42.83	0	90.66	30.45	138.5	98.89	210.5	0	231.5	294.1	125.2	61.25	57.7
7000	539.1	453.6	67.42	43.69	6.36	0	0	85.82	16.17	0	13.41	0	5.69	11.7	214.9	91.03	6.01	31.09	78.16
7100	378.9	561.7	6.66	29.95	28.29	0	37.21	167.9	46.48	0	0	60.54	0	119.1	35.15	117.2	59.46	58.41	3.78
7200	540.3	1019	350.3	51.12	0.35	72.99	12.27	1591	43.08	65.62	72.65	0	46.88	153.7	28.17	233.2	0	32.73	24.02
7300	1516	2308	369	227.4	17.69	45.17	27.54	0	61.01	31.61	35.43	0	21.54	190.1	231.9	289.8	172.1	20.12	1.36
7350	2355	3654	651.3	268.1	34.63	0	102	0	133	128.5	22.09	173.3	64.99	13.68	464.5	861.5	59.35	95.56	10.75
7400	1687	2779	482	156.7	12.25	0	56.97	0	32.77	50.26	37.21	143.8	121.9	171	388	305.2	56.91	156.5	18.22
7450	26370	21590	5219	2836	277.1	15.11	274	543.3	880.6	1263	302.1	827.8	2531	4161	7751	5283	1689	1723	167.2
7500	107800	70630	18860	15350	1111	2658	1033	2437	4687	4050	2900	3265	11580	14240	33980	23180	7601	7130	782.1
7550	40540	42160	11220	7819	1024	650.7	244.4	3185	1555	2014	1296	1393	3399	7057	11950	8578	2763	2988	487
7600	17430	13230	3326	2348	149.7	438	266.9	542.5	2411	1126	325.1	1141	1981	3626	7515	4090	1671	1353	228.8
7650	8907	6356	1647	1242	149.6	0	448.8	1303	564.2	169.8	253.9	0	838.3	1428	2495	1594	686.6	548.1	30.89
7700	12360	8642	2678	1767	190	534.9	16.91	0	1252	1182	276.3	266.8	1598	3446	5600	2258	978.3	782.5	36.68
7750	252300	137500	82660	57500	5986	7126	10600	25350	49620	48100	6872	12030	33990	62650	144200	80430	31900	30960	3535
7850	35410	26180	7493	3901	353.2	910	521.2	403	1741	2883	833.9	1292	3781	6297	11340	7143	2613	1551	257.7
7900	13500	10480	3125	1489	183	596.2	367.8	0	3737	1599	501.7	956	1835	3294	4466	3168	1170	776.5	240.2
7920	27480	22730	5408	3643	314.8	504.5	363.1	809.5	1804	1551	362.1	38.74	2896	4253	10300	6765	2446	1948	404.3
7950	21120	18960	5206	3046	380.2	0	255.2	2214	1488	1191	387.2	1257	3685	4391	9122	4316	1534	1678	55.69
7980	10780	8854	2371	1323	151.7	0	355.2	0	1651	508.5	383.6	511.5	716.9	1778	3585	2046	873.1	1193	111.2
8010	11070	10730	2488	1523	162.4	427.6	250.9	176.4	721.6	523.3	279.5	469.5	913.1	3324	3409	2255	647.7	708.5	23.94
8040	10050	7151	2648	901.1	129.5	45.63	0	363	2000	1534	595.5	650.3	1708	975	3437	1858	708.4	549.5	61.57
8070	10160	7719	2074	1148	121.2	0	0	0	2608	1063	530	485.8	1253	1341	4529	2072	616.7	826.5	0
8100	5367	4651	1044	712.9	41.35	575.1	0	0	827	1189	242.2	650.6	646.3	1140	3267	1904	735.1	304.5	41.85
8130	7306	7284	1607	441.7	43.26	0	209.5	733.8	961.4	1025	476.7	0	1421	223	908.5	1177	184.6	373.1	34.14
8160	15820	21340	4823	1706	84.02	226.7	41.75	1235	3122	836.6	55.35	598	1216	1923	1800	2757	1528	728.2	74.31
8190	4756	6538	1053	480.7	110.4	0	770.4	1232	1116	708.5	220.2	183.8	167.2	1515	2502	1961	740.5	564.8	146.3
8220	55610	50940	15450	8483	991.2	438	669.2	2342	4821	4356	1047	1385	4487	10130	15660	11560	4929	3284	788.1
8250	22600	24660	5115	2933	323.7	173.1	232	1151	1827	2162	480.3	2423	2421	3848	5851	5327	1756	1282	310.9
8280	22910	26820	5380	2401	205.9	422.1	0	3415	1742	877.1	11.14	885.3	876	2171	3635	4659	2233	1277	225.9
8310	17680	18330	4672	2382	208.7	313.2	365.6	445.1	1590	1975	632.5	781.7	1151	2918	5398	3559	1409	1197	88.79
8340	15470	13790	4048	2180	96.17	91.81	447.3	679.1	2457	1864	324	0	1932	1728	3425	3103	813.7	1230	151.9
8370	19820	15560	3736	2507	257.5	0	699.7	752.9	2113	1968	718.9	528.8	801.4	4447	3776	4531	1186	1134	214
8400	22110	13070	4463	2719	356.3	1162	330.5	4281	1225	202	715.6	87.09	2088	1568	4525	3260	1680	1246	104.5
8430	150500	121000	35150	26510	2568	2075	1851	4522	7138	10990	1659	4118	8373	17310	31030	32910	10870	12920	1256
8460	41030	27480	8492	8217	625.3	0	568.4	0	8230	4679	1713	154.1	2768	4770	12370	8355	2665	2957	340.8

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8490	26100	27890	14630	17430	15730	107100	111100	161500	129000	131500	1201	4511	4043	18839	88170	14200	5640	9616	22140	50520	
8520	11960	15200	4993	6745	13960	40710	71900	96110	42510	13520	8991	2113	1494	10100	52300	49000	2731	1242	10270	17750	
8550	5742	9390	6595	4735	10460	24060	46170	46270	21110	8703	5487	0	1252	4164	32650	10680	1219	3632	4453	10100	
8580	8422	1110	1544	3888	11480	25700	18450	39900	2370	8839	5500	0	1064	5365	28260	14300	1199	2968	5327	11620	
8610	7911	7828	3288	3474	9731	21930	40210	35980	23830	8892	5039	0	6877	5374	22370	8280	1073	2457	6154	10390	
8640	21970	19660	14070	12980	37920	70330	130800	134900	80160	24000	1738	1966	2490	13700	48790	19100	3478	4650	17540	26340	
8670	6725	5921	4892	5110	14450	26070	45010	36980	24730	6843	4955	1247	7004	1047	17080	5836	2542	3746	4572	9831	
8700	2342	2573	1977	1419	2581	8958	18060	13680	9800	3658	233	0	1056	1703	8342	2805	1158	4715	1588	3647	
8730	5450	4699	4101	2771	8616	15660	34520	31870	17550	7259	5637	7219	698	9544	16270	2769	5722	7043	3078	10030	
8760	19600	21590	13080	12300	30480	69180	141700	116300	166300	38540	2247	2032	2471	4749	38440	18520	2743	5902	14570	28160	
8790	8656	6390	5635	5541	11630	23370	44750	51960	17540	5298	3604	3019	8253	3746	15400	5894	6318	1459	2354	9339	
8820	4002	2204	2411	2456	5504	10540	20380	18400	9097	3457	2309	2115	6127	1325	8762	3623	798	7528	2462	4449	
8850	1089	3535	1188	1414	5544	6566	17640	10420	6942	2332	2909	7909	0	5505	8612	2025	5577	4599	2244	4170	
8880	9048	8428	4838	4997	12290	22080	40500	34310	36960	13690	9347	1314	1155	2349	17200	6665	2456	3025	4064	9812	
8910	4070	5460	2209	2480	4400	9173	18330	16390	20330	5235	2894	1747	9206	4117	13350	7257	6859	1248	2248	4765	
8940	1943	1525	9707	6092	1780	4612	8565	6439	5758	1131	1288	0	3457	1069	3700	9599	2054	4413	4387	1315	
8970	1701	2049	4886	9857	3015	4589	8166	7787	4225	1153	1088	3938	1217	1979	7577	1236	4931	8196	2042	1349	
9000	4631	3719	2260	1679	4299	12400	19700	17200	12710	4710	2861	4324	6327	2785	10660	2397	6032	1287	1912	4974	
9030	1682	2533	9087	8264	5829	3712	3456	5761	2366	8724	4688	1170	0	1327	5486	2143	2842	3782	1752	0	
9060	3969	4847	2997	2245	7797	13290	20460	16080	7433	2533	1832	3419	6119	4874	6568	2174	7387	9794	3045	6352	
9090	832.5	1737	1134	1759	570.7	4429	6191	5002	4279	959.7	36.44	380.5	466.3	2046	3591	1238	406.2	341.1	1346	808	
9120	984.8	1668	1723	2223	2981	5234	7958	7766	4523	1386	8939	0	137.9	1322	4655	405.7	403.5	0	614.6	3796	
9150	4492	4941	2801	1655	7216	11980	20880	24210	9325	3482	215.5	0	455.1	3041	7746	3157	602.8	1670	1647	4029	
9180	609.4	1297	999.1	1.63	632.3	2541	3872	2959	1240	439.3	11.15	783.1	238.9	1836	2897	2170	161.2	17.82	1036	52.2	
9210	3901	4054	3073	3729	4788	11620	18290	17810	13760	4146	317.6	1574	340.1	715.7	8377	2890	497.5	1247	1835	4947	
9240	1466	1630	1374	506	1290	2530	4623	6195	2933	710.7	19.32	0	0	1158	2384	476	479.5	44.11	1017	1265	
9290	1279	2791	379.2	1771	1624	2560	6291	4858	4671	896.9	13.7	0	164.6	988	2960	2320	152.9	0	509.8	1973	
9340	1007	898.4	294.7	405.7	1088	1119	2598	2620	1253	305.7	287.9	0	99.35	668.7	3519	1051	267.8	834.4	884.8	1180	
9390	303.5	531.7	67.65	285.8	0	956.8	2353	1641	588	334.3	0	0	96.54	0	1738	997.9	0	0	313.3	2495	
9440	973.1	337.4	43.76	435.5	397.9	2465	3664	2348	1731	283.5	34.58	0	0	1168	1610	11.51	169.8	1387	1055	278.1	
9490	725.1	964.1	430.8	744.8	920.4	1362	3122	2336	1851	160	44.36	0	107.1	0	2535	136.3	0	732.4	265.5	888.9	
9540	1444	883.4	251.7	1305	1021	663.1	1819	1483	1025	242.3	22.25	275	9.36	0	2394	844.3	114.4	501.8	208.2	136.5	
9590	103.2	1350	584.3	152.7	538.1	200.9	1369	1265	1004	256.1	20.62	328.9	0	99.05	1651	1003	11.49	0	0	405	
9640	2128	4098	1309	12.24	1137	2294	4440	3237	2293	922.6	103.1	8.41	359.2	509.5	1586	2172	274.4	803.4	1084	0	
9690	2378	4815	623.7	619.6	2477	3316	6118	6582	4797	1482	113.7	10.47	248.1	1485	4814	2511	1093	1109	1029	1022	
9740	1613	5964	1443	141.8	707.9	2530	2826	3171	1993	503.3	46.51	293.2	682.7	0	5048	1449	0	340.7	514.3	435.8	
9790	2768	5206	906.5	305.1	1028	2210	2264	2287	1617	248.1	42.62	420.4	159.8	1277	4550	1403	461.2	310.3	735.5	1310	
9840	1978	3860	1405	1166	1761	1924	4237	3758	2989	668.2	37.42	0	171.3	535	3316	1114	262	0	177.6	1355	
9890	1883	3646	344.7	1087	638.6	1648	1268	1054	1507	254.5	21.98	0	129.7	650.7	3379	1764	0	288.8	9.96	864	
9940	2161	3570	450.3	0	980.9	1181	867.2	1057	777.2	166.6	41.83	163.7	302.3	546.8	2430	2067	10.29	280.3	366	182.3	
9990	2154	1591	318.5	680.9	195.8	559.5	998.3	708.8	809.4	109.6	9.92	291.1	1342	0	4258	2034	0	1025	0	1719	
10040	1275	2045	896.6	0	801	1128	1288	743.6	809.7	70.73	0	0	226.7	1063	3309	778.3	319.8	568.1	826.6	0	
10090	1965	1600	134.2	0	263.4	936.7	949.2	583.4	423.8	92.7	0	0	38.4	348.1	3648	0	0	56.41	585	715.3	
10140	1299	3723	298.7	0	1101	754.3	390.9	989.9	1408	214.6	11.23	109.2	295.4	824.3	2214	1614	168.6	345.9	250.9	153.9	
10190	242.9	752.9	573.9	0	388.9	444.9	685.3	477.6	415.6	36.97	6.6	0	192.5	1640	1792	1790	141.6	0	276.7	307.7	
10240	210.4	1102	111.7	298.4	522.2	744.8	747	708.4	207.1	50.05	8.8	0	163.9	0	2252	427.9	97.32	153.9	0	678.2	
10290	1143	2689	508.6	61.33	981	1206	1748	2345	2477	657.8	20.26	171.8	15.49	371.4	3940	1481	0	329.3	813.4	1521	
10340	3105	7397	1354	606.8	1349	1232	3297	1106	592.7	375	0	173.7	283.8	2148	3689	2125	476.9	227.7	487.7	1017	
10390	667.6	1425	524.2	0	468.7	658.2	549.1	473.7	369.2	133.6	0	986.1	0	1639	2147	736.6	330.8	678.7	0	469.4	
10440	1085	3091	504.7	562.2	534.1	850.7	1287	1051	1114	275.9	41.49	342.2	0	444.2	3495	1418	249	0	205.7	1222	
10490	671.8	1955	313.8	278.2	255	1005	945.1	494.8	150.2	178.7	5.39	0	0	123.7	3328	1735	297.5	9.39	135.7	1230	
10540	1451	2266	715.1	482.7	731.1	1359	1390	472.4	621.9	108.5	10.52	0	345.8	1723	3564	1136	308.7	445.1	579.4	615.6	
10590	630.1	2017	155.3	1125	926.1	1354	1416	1396	1383	149.4	0	862.8	268.8	1039	3297	1203	220.6	0	700.8	433.1	
10640	1201	2155	669.6	37.13	1026	1141	2778	2438	1247	440.7	0	499.8	0	937.7	3287	1423	116.7	0	408.1	401.5	
10700	1913	4306	611	267.7	272.9	1316	1992	1720	1151	211.2	0	547.5	69.35	4592	3928	2624	216.9	328.6	61.87	144.7	
10750	246.2	1174	260.7	0	372.6	1367	1641	1814	601.1	67.45	29.18	0	0	1504	2850	1685	122.4	0	330.8	160.8	

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Depth	AMU98	AMU99	AMU100	AMU101	AMU102	AMU103	AMU104	AMU105	AMU106	AMU107	AMU108	AMU109	AMU110	AMU111	AMU112	AMU113	AMU114	AMU115	AMU116
8490	109100	62820	25580	20700	1695	1892	1928	8002	11510	11330	2854	2377	8752	13990	40390	22100	8203	9425	1058
8520	39550	24370	9919	4855	562.2	12.08	2278	1773	8359	7629	864.9	2544	3079	4459	13930	7030	4081	3188	45.12
8550	21010	14850	4165	3173	341.2	0	0	1596	3772	3288	794.9	215.9	1616	2398	5904	3944	1657	2329	155.6
8580	21800	16380	3952	3686	440.7	210	565.1	1972	2846	4145	843.3	505.8	1029	4290	5022	4555	1901	1451	117.7
8610	15970	14230	5297	3727	125.1	437.2	580.4	1396	1585	1340	614.9	421.4	1547	1326	4897	3089	1420	1269	261.1
8640	51830	41400	16410	14770	976.2	1295	1157	4087	7442	7261	1141	1452	4575	7464	15640	10790	3924	5167	463.6
8670	19590	12470	3715	3136	258.1	600.4	398.3	1480	1228	2117	418.8	1289	2083	3546	6355	3496	1575	2026	139
8700	6351	4546	1294	973.6	162	182.6	181.5	977.6	1393	1082	83.72	147.1	462.8	858.9	1640	789	532.8	809.7	52.39
8730	15640	11450	3384	2426	253.9	213.7	1023	0	2119	2317	260.9	730.5	1285	1633	3407	3245	868.7	1849	176.9
8760	57360	49090	28110	16090	1719	1509	1401	1760	3558	4313	855.4	1385	5406	8666	13160	11410	6204	11260	1241
8790	16550	17020	3956	1977	224	337	414.1	0	2539	1303	616.8	174.8	533.5	2798	3241	3170	1035	1184	166.5
8820	8787	6755	2159	1515	140.4	0	0	704.8	882	859.5	356.6	474.3	846.4	1612	2850	1422	552.5	684.8	48.86
8850	7259	4381	1498	1068	135.7	159.9	85.57	0	1124	1504	114.5	0	800	1326	2184	1590	816.9	490.6	2.45
8880	18620	14070	6219	5578	529.4	429.8	340.7	1062	2619	1598	1313	832.4	1965	3044	4667	3462	2365	2329	235.7
8910	8296	6341	3164	3252	246.5	453.3	189.2	1856	2461	1972	668.6	413.4	883.4	2028	3006	1242	826.7	1347	251.2
8940	2624	2520	1191	615	28.67	824.4	0	1188	1357	1228	0	333.6	355.4	1499	0	813	104.9	675.7	147.9
8970	3242	1898	851.2	239.8	83.74	354.3	401.2	0	643.1	717.8	16.79	501.3	222	407.8	589.6	625.3	527.3	0	46.5
9000	7508	6565	2150	2046	86.79	143.6	301.4	0	2627	1283	101.8	583.6	691.7	1413	3233	1716	807	910.1	171
9030	2995	1709	862.2	332.2	98.17	0	0	0	0	1596	199.2	247.1	0	730.3	386.7	515.9	613.3	432.6	93.88
9060	9038	6426	1846	1211	185.1	0	232.7	2156	2297	947.4	311.6	690.5	935.9	1654	3267	1765	705.9	671.2	159.9
9090	2718	1695	956.2	576.3	47.2	470.7	0	224.6	0	1126	145.1	144.1	142.6	1304	884.5	404.9	367.2	223.8	54.04
9120	3333	3332	733.4	627.8	111.9	0	148.3	0	870.9	1173	266.5	456.5	158.4	713.3	1033	1075	3.77	155.5	41.36
9150	6935	6971	1657	1476	202.5	0	426	569	996.2	701.6	377.4	0	219.2	1635	1672	1447	530	833.5	78.39
9180	1901	811.3	421.3	390.3	0	169.6	0	0	1187	250.7	129.3	0	130.6	238.5	157.9	327	271	235.9	20.47
9210	8276	5754	2170	2589	199.7	695.8	0	2850	1584	262.5	405	445.1	2039	1742	3250	1327	1197	1258	245.5
9240	1716	1741	907.6	458.8	34.84	0	287.4	960.7	686.3	555.7	0	0	185.3	825.6	509.3	362.5	118.5	311.5	0
9290	2727	1837	899.9	474.8	54.86	0	0	0	446.3	448.8	0	0	461.9	0	703.5	490.6	339.7	174.6	30.22
9340	1384	1052	399	0	5.09	0	220.2	104.7	181.6	27.16	56.64	0	107.0	443.2	562.6	0	0	246.5	0
9390	1049	657	0	84.13	0	783.1	0	0	0	0	0	335.2	0	0	264.8	33.45	0	244.4	18.75
9440	1342	369.9	344.9	173.9	16.21	392.5	117.9	0	485.5	123.4	0	301.3	45.78	0	454.6	465.5	308.2	169.3	0
9490	0	862.9	127.9	121.9	8.21	132	136.2	724.3	0	0	0	0	119.1	0	170.7	67.42	0	61.67	0
9540	805.8	531	93.25	184	0	0	719.8	0	0	0	27.29	947.4	148.6	107.6	732.5	0	193.7	0	0
9590	546.6	165	133.8	208.8	23.05	0	35.23	0	381.7	0	0	138.4	0	432.2	350.8	225.7	1387	191.7	34.24
9640	3346	1349	469.8	416.8	43.6	0	95.89	0	445.5	117.9	0	0	655.8	0	1019	563.8	40.2	113.4	134.3
9690	2468	2355	802.9	830.1	33.37	0	0	0	356.1	150.5	222.9	0	423.1	387.8	1162	425.1	321.2	139.9	0
9740	1816	941.8	233.6	489.6	99.58	451.3	0	274.8	1464	368.5	65.12	445.1	398.9	247.1	399.8	359.1	0	93.18	141.4
9790	1472	1021	247.8	152	23.91	237.2	223.9	2677	1224	1432	0	31.29	141.3	263	503.2	105.1	350.5	189.3	0
9840	1542	1040	356.4	513.3	19.04	45.1	53.71	1363	38.28	346.9	188.5	321.5	50.73	598.2	494.9	233.1	0	60.79	39.29
9890	410.4	580.8	821.4	185.8	16.51	0	0	27.79	111.1	1204	126.7	0	12.7	476	348.6	1.52	281.5	231.8	0
9940	1027	580.6	124.4	68.52	0.96	0	0	228.9	265	55.03	324.7	169.2	379.1	36.92	0	251	189	62.67	29.6
9990	1446	892	217.1	46.64	0	273.6	70.53	0	743.9	67.4	28.67	0	55.34	338.9	259.9	0	62.59	188.9	0
10040	291.4	130.2	45.78	146.9	0	283.8	200.1	467.3	742.4	136.6	288.1	132	167.8	678.4	0	202.7	442.9	154.8	176.9
10090	350.3	254.4	0	168.7	9.81	189.6	133.4	0	89.69	226.3	0	150.2	46.72	155.2	242.3	108.2	310.2	42.75	0
10140	1235	514.1	277.4	188.9	25.71	0	0	1642	1538	277.7	0	0	197.8	965	218.3	368.7	0	0	41.49
10190	340.3	228.7	0	52.41	10.86	0	266.4	0	1271	478.7	0	55.48	210.5	0	760.3	169.1	88.76	71.54	43.66
10240	383.4	0	26.1	28.96	7.7	216.5	50.91	250.3	0	20.66	144	156.2	53.62	48.45	210.9	123.8	113.3	116	35.89
10290	1595	479.4	521.4	345.1	0	0	169.3	42.52	866.6	105.5	44.51	323	31.02	452.3	490.3	307.6	205.1	51.35	0
10340	930.2	791	278.5	199	98.75	0	189.1	1079	2534	505.2	148.6	0	247.9	124.4	491.5	469.7	0	111.8	13.92
10390	16.63	191	243.7	65.03	0	1334	93.71	573.9	108.4	124.8	6.86	246.8	12.3	75.8	103.6	252.9	20.48	77.69	5.05
10440	537.6	673.1	319.4	75.89	0	7.42	299.5	0	946.8	0	109.4	408.6	371.4	422.8	179.9	182.7	86.23	111.6	24.38
10490	401.9	428.3	0	72.64	0	0	137.8	62	117.5	203.3	4.22	0	102.9	0	210.7	57.13	25.63	0	4.08
10540	264	380.9	0	152.6	0	148.3	0	834.2	0	0	0	0	184	92.09	377.5	228.8	21.84	81.57	0
10590	1089	1124	256.2	5.39	19.5	0	0	127.3	33.75	196.3	230.4	0	310	0	170.1	238.2	222.5	30.48	1.66
10640	872.2	1253	433.3	165	0	583.1	0	0	1034	245.4	145.5	64.45	100.2	187.4	383	332.2	23.67	69.03	0
10700	692.1	755.2	131.7	46.66	0	674.9	0	0	723.3	360.5	0	0	0	0	115.6	199.6	257.8	0	0
10750	960.7	632.7	0	96.88	32.03	0	39.97	0	425.6	250.5	130.4	0	254.7	0	116.3	342.2	0	0	0

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2930	0	0.37	141.7	1.53	1.99	9.6	10.11	13.47	7.47	7.17	6.43	0	9.12	7.34	13.16	3.41	3.19	12.14	2.63
3050	2.67	0.32	0	2.62	1.73	12.4	7.56	13.54	17.63	21.46	15.47	8.21	6.94	7.59	0	0	0	1.17	3.81
3170	2.98	16.43	950.2	0.73	2.35	0	3.45	1.52	5.02	7.37	6.29	2.69	0.96	4.26	0	0	2.09	11.05	1.41
3230	0	0	93.94	2.43	4.43	1.6	2.19	0	8.7	6.39	3.03	0.35	4.47	10.87	0	0	0.14	2.39	3.37
3290	0.78	1.43	0	2.34	1.91	1.75	6.48	10.61	0.43	6.46	11	2.58	5.55	0	3.44	0	2.33	2.66	1.15
3350	8.61	0	177.6	0	0	13.44	6.07	12.26	3.9	4.07	4.7	4.11	5.31	0.1	0	1.02	0	0.66	0
3410	9.99	2.29	0	1.41	4.12	11.38	2.12	3.77	4.27	2.7	0.39	3.23	13.89	4.58	0	4.14	0.92	4.14	0.51
5300	0	0	27.49	1.62	4.17	3.92	8.56	7.49	8.48	4.21	8.71	0	0.84	14.52	36.13	0	13.35	1.77	1.75
5400	0	1.09	0	4.75	3.6	4.68	4.09	14.96	8.63	2.58	7.91	0	0.44	5.87	0	0	0.33	4.45	4.48
5500	1.04	0	0	1.18	4.8	14.3	13.9	23.54	34.11	30.98	29.08	13.2	5.98	0	0	0	0	6.57	4.27
5600	7.36	0	143.4	1.21	1.94	15.81	14.75	27.69	21.24	18.65	17.74	22.23	5.57	12.77	0	3.61	0	0	0
5700	5.56	0	0	5.94	9.94	31.45	22.88	34.28	42.58	51.1	52.41	41.22	10.18	19.15	20.6	7.84	3.08	6.54	5.37
5800	0	0.9	77.36	3.16	17.68	47.73	45.77	48.18	55.23	44.14	50.36	31.23	20.74	22.96	10.47	3.25	0.71	4.91	10.09
5900	0	0	12.37	8.58	13.55	76.24	82.13	98.07	89.88	105.5	70.6	39.44	65.42	34.99	49.53	0.89	2.86	5.72	19.7
6000	0	0	8.52	10.41	8.36	36.9	17.11	25.34	32.17	19.73	10.02	8.58	16.34	4.21	160.9	0	3.26	6.17	7.21
6100	0	0	0	8.97	13.74	46.87	34.45	65.45	45.02	63.83	66.09	55	26.7	25.63	26.32	6.04	9.56	11.79	7.66
6200	2.96	0	0	9.32	18.43	37.04	30.99	44.87	53.32	38	47.03	18.09	27.63	28.83	33.73	5.81	10.49	10.19	11.8
6300	1.76	0.93	0	0	12	28.15	44.64	45.37	53.3	50.14	41.75	17.96	31.12	22.48	29.32	0	13.39	10.74	13.27
6400	0	1.01	0	4.59	4.81	42.18	26.26	30.28	37.48	25.99	0.99	36.07	24	22.28	5.5	12.09	0	3.67	1.22
6500	7.77	4.38	0	3.31	13.25	17.39	11.84	17.37	4.48	21.01	15.65	2.78	18.03	15.11	43.25	12.64	1.11	3.91	0
6600	0	0.09	0	15.48	14.15	43.8	44.6	64.89	78.06	74.1	62.81	69.64	39.41	16.69	2.95	5.58	5.84	3.2	7.9
6700	0	0.06	0	19.54	23.49	100.4	82.48	171.9	172.8	157.2	131.5	91.4	82.02	113.5	49.97	2.81	9.54	25.41	22.88
6800	5.07	0	0	11.72	0	11.18	28.91	32.23	10.68	21.97	21.36	14.24	0	0	98.26	0.03	6.82	3.48	4.25
6900	0	0	47.33	26.38	9.9	32.72	28.58	45.83	51.88	65.96	47.08	35.67	33.11	5.03	0	5.59	0.69	1.88	3.43
7000	0	0	0	5.78	5.15	1.47	26.74	36.53	19.31	10.78	10.51	19.37	6.33	12.74	29.69	3.86	9.91	1.35	7.05
7100	6.76	0.25	0	1.92	12.58	10.71	16.99	24.34	24.42	25.07	9.73	17.77	29.31	10.71	37.87	2.42	3.87	0	4.63
7200	3.41	0.39	0	4.43	2.9	29.2	15.15	25.8	32.52	27.22	28.86	53.23	0.76	24.64	0	0	7.69	3.28	12.12
7300	0	0.15	0	0	7.41	46.51	30.4	34.96	55.23	48.26	59.26	17.78	23.26	12.1	13.22	8.66	2.58	1.72	24.03
7350	0	1.61	0	10.88	22.35	62.64	36.06	58.8	70.41	62.57	54.43	57.45	12.45	21.12	7.59	12.95	16.23	7.9	0
7400	0.01	0	0	11.85	10.43	42.85	31.2	45.15	60.11	60.69	45.45	32.05	21.79	38.55	0	6.27	0	6.63	23.78
7450	3.25	4.46	558.8	183.9	300.2	970.9	984.5	1493	1732	1723	1626	1101	647.6	403.5	145.5	40.81	89.14	127.3	228.1
7500	18.03	2.8	116.7	1052	2428	6174	6898	9469	11150	11030	10420	9913	5856	4104	635.3	333.6	470.1	996.6	1765
7550	0	0	0	351.4	609.9	1917	1909	2466	2845	2446	2641	2469	1518	853	259	151.9	187	260.5	411.4
7600	9.76	0	135.6	301.2	587.4	1568	1572	2064	2266	2181	2162	1876	1349	759	297.2	120.1	212.7	363.2	464.4
7650	9.82	0	0	144.3	189.4	655	477.3	802.7	943.1	864	797.8	573.2	464.3	368.9	241.9	50.37	368.9	140.9	191.3
7700	0	3.49	0	241.4	323.1	888.7	930.6	1277	1364	1438	1306	1146	623.6	428.3	104.7	87.67	85.49	171.8	198.6
7750	77.1	41.46	684.2	6809	10040	29510	31840	35020	40150	41190	46320	38810	28070	21520	5290	2331	2816	4812	8333
7850	0	0	33.9	535.9	953.9	2361	2626	3195	3832	3867	3256	3349	1917	1202	532.5	148.2	196.4	489	663
7900	1.8	0.25	57.27	248.2	424.5	1122	1217	1779	1799	1776	1686	1546	976	620.4	284.7	88.14	179.5	203.6	395.5
7920	20.92	0.87	0	361.8	677.7	1827	1894	2618	2970	2643	2949	2362	1425	1235	338.6	109.6	169	277.2	517.9
7950	15.02	2.93	66.27	205.7	360.7	1169	1265	1585	1813	1884	1553	1437	987.8	571.9	214.5	57.64	113.6	193.7	356.5
7980	25.18	1.65	221.1	117.4	214.2	635.3	737.9	803.7	950.1	978.1	868.6	864.7	446.8	409.9	109.2	70.28	86.84	158.5	154.8
8010	0.83	0	0	119.2	238.9	630.8	582.6	716.5	1053	728.2	829.1	792.8	570.8	339	75.66	82.34	92.72	86.62	211.7
8040	1.35	0	0	228.5	308.5	710.4	1008	1015	1068	1115	1000	966.1	588.8	760.9	106.6	84.47	88.45	150.9	255.7
8070	0	0	0	270.8	249.6	928	913.3	1159	1351	1135	1123	948	675.1	779.6	418	101.4	116.3	161.5	345.9
8100	8.32	0	56.07	57.93	190.2	456.3	533.1	696.6	699.6	660.2	478.3	529.9	320	146.4	0	40.19	116.8	85.17	221.6
8130	0	0.37	0	82.71	137.5	384.3	421.7	437.4	547.8	451.6	380.7	371	345.9	189.7	136.4	61.75	50.88	90.76	192.8
8160	0	0	22.23	225	369.8	1014	663.3	935.9	1072	1092	1009	562.8	454.3	392.4	222.8	114.2	155.9	147.6	286.6
8190	18.48	3.42	0	77.33	106	275	282.1	224.4	345.1	386.6	220.5	321.6	408.9	177.2	289.4	0	52.06	180.5	59.34
8220	0	10.33	0	889.2	1442	4119	4267	4908	6049	6930	5793	5542	3631	2666	549.6	395.1	345.8	710.4	1087
8250	0	8.3	255.9	322.2	474.3	1365	1193	1516	1819	1603	1729	1930	847	893.5	285.7	188.8	233.6	233.4	453.8
8280	0	0	0	264.4	408.4	793.3	965.9	990.2	1065	1316	1209	1021	812	767.1	203.1	20.75	176	110.2	272.4
8310	0	2.49	404.4	220	380.9	1050	959.6	1079	1304	1272	1140	1433	705.7	657.9	148.7	131.2	153.4	216.5	317.3
8340	0	0	0	252.6	443.5	1165	905.1	1102	1247	1360	1450	1631	973.1	1013	0	219.8	127.3	270.5	299.7
8370	0	5.91	71.22	344.5	379.5	1306	924	1366	1662	1460	1479	1421	847	396.6	320.6	60.94	140.3	260.2	266
8400	0.31	0	112.9	338.1	413.5	1072	1365	1550	1651	1887	1823	2036	1237	1149	219.4	84.98	163.7	305.9	247.7
8430	11.41	11.11	0	1631	2785	8190	8863	11410	14270	13800	14600	12620	9260	8011	1574	724.4	744.8	1259	2287
8460	0	0	0	684.5	1418	3132	3167	4594	5269	5052	4802	4933	3118	8238	711.1	486.6	495.2	750.6	989.4

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Depth	AMU117	AMU118	AMU119	AMU120	AMU121	AMU122	AMU123	AMU124	AMU125	AMU126	AMU127	AMU128	AMU129	AMU130	AMU131	AMU132	AMU133	AMU134	AMU135
8490	4.52	0	0	2147	2854	7998	9173	11980	15440	14940	16540	16070	11590	10440	2089	984	1017	1626	2973
8520	0	6.54	0	1094	1287	3922	3625	4694	5669	5171	6030	5190	3826	2517	879.3	406.1	548.5	866	1618
8550	0	0	0	482.6	610.2	1673	1844	2284	2810	2447	2681	2188	1710	967	544.9	207.2	247.5	313.6	560.5
8580	3.34	0	0	596.9	784.4	1974	2269	2629	2999	3146	3213	2973	2199	1671	348.9	331.4	278.6	460.2	700
8610	0	13.4	0	339.5	419	1268	1092	1399	1914	1734	1922	1413	1358	958.2	82.39	96.65	227.4	190	418
8640	7.02	5.51	0	1151	1468	4471	4216	5043	5732	6419	6531	7114	4867	3620	860.1	299.7	543.8	662	902.7
8670	0	5.74	0	235.9	357.5	1075	1393	1872	2215	2183	1988	1840	1221	1059	424.8	73.79	157.2	292.7	365.4
8700	8.38	1.38	0	126.3	206.2	409.6	520.8	708.9	819.4	709.8	720.6	644	376.7	318.7	122.7	99.83	30.48	91.06	195.3
8730	0	0.85	0	259.7	289.6	776.6	694	1025	1194	1279	1559	1115	866.6	596.3	206.9	41.05	151.9	268.2	208.3
8760	0	0	0	655.7	1291	3145	3572	4337	6034	7305	7376	9995	8047	6708	2355	542	703.4	892.6	1225
8790	3.64	0	160.4	203.2	224.9	583.4	667.9	803.4	939.9	921.5	910.4	812.3	397.1	504.8	24.45	84.65	101.4	171.8	217.4
8820	3.87	7.07	0	129.9	123.3	473.2	450.9	856.6	971.7	739	967.2	858.4	704.9	476.6	177.3	27.5	27.92	151	99.64
8850	0	8.17	0	189.7	137	411.4	462.4	751	796.7	718.5	805.6	747.8	635.6	369.7	302.7	70.58	37.23	125.4	103.2
8880	0	3.54	0	360.5	370.2	975.3	1251	1572	2048	1923	2465	2340	1931	1502	347.9	235.9	274.5	195.4	371.7
8910	0	16.49	0	130.4	240.4	494.9	705.6	662.9	989.4	959.4	1143	1073	992.4	748.6	156.8	50.21	91.62	222.2	254.5
8940	0	0	281.7	45.96	66.45	15.87	212.8	324.3	356.1	317.7	384.8	481	0	158.8	73.04	1.46	71.07	94.52	70.27
8970	0	0	303	90.53	141.9	153.1	145.1	221.5	277.9	317.3	298.6	461.5	137	65.36	0	42.85	59.68	97.77	119
9000	9.43	0	0	163.5	286.4	567.6	557.7	904.9	921.6	867.7	847.8	886.7	789.1	392.8	63.61	42.88	70.23	50.92	180.3
9030	2.59	6.11	0	44.09	63.89	146.8	187.5	217.8	289.1	215.8	242.3	207.4	166.3	484.2	262.2	0	0	111	22.45
9060	0	0.11	55.28	148.3	135.9	512.1	590.8	820.3	853.4	815.4	759.3	671.7	480.6	375.8	87.49	26.83	61.81	30.19	164.3
9090	15.33	10.75	0	22.19	51.73	273.6	214.2	195.1	399.9	312	352.2	418	257.9	95.85	135.2	28.7	47.34	45.38	99.85
9120	0	0	0	105.7	90.13	269.9	168.9	385.6	367.7	305.4	342.9	273.9	306.6	266.7	155.4	11.79	24.73	31.99	104.5
9150	0	2.29	0	54.24	67.27	300.8	333.2	337.7	556	447.4	371.6	311.8	299.6	205.7	174.7	12.58	40.09	61.71	116.3
9180	8.92	0	71.11	23.84	50.11	22.54	78.38	94.66	178.6	93.47	66.36	49.79	69.45	50.07	0	30.25	14.64	11.67	17.17
9210	2.99	0	145.1	79.19	112.8	514.7	452.9	694.6	707.4	819	870.1	888.6	1034	644.8	0	55.36	52.04	46.11	184
9240	0	3.86	0	74.54	47.2	174.1	75.51	97.6	187.5	171.6	164.1	152.7	31.27	47.14	21.15	4.31	26.36	41.9	53.36
9270	0	0.56	0	82.7	47.09	192.4	156.8	201.2	262.7	391.9	262.4	305.6	217.3	76.64	0	20.32	43.23	43.61	71.59
9340	0	1.02	207.4	35.96	28.31	130.2	45.45	66.96	148.3	167.7	53.65	143.8	61.36	41.87	84.97	22.04	18.84	29.79	58.74
9390	0	5.38	51.98	31.99	38.4	33.04	68.72	153.7	120.2	89.46	32.11	30	40.92	0	0	15.74	16.01	7.81	33.84
9440	0	0.77	0	72.74	39.82	58.54	126.2	103.8	133.9	183.1	172.1	144.5	118.7	27.95	49.38	0	12.74	6.64	31.1
9490	5.37	3.21	118.3	36.44	20.83	140.1	37.21	29.58	0	0	12.29	39.08	8.96	92.29	0	14.29	27.02	34.81	37.01
9540	0	2.4	0	39.89	43.89	83.44	41.33	5.08	76.7	18.14	30.93	141.7	81.53	70.79	29.2	54.93	37.99	34.08	0
9590	18.05	0	0	0	38.42	72.29	37.43	63.65	99.5	51.84	114.5	132.4	171.5	83.15	108.8	0	9.8	0	6.39
9640	0	0	64.6	30.2	53.86	188.8	61.92	88.37	72.19	170	116.2	172.2	112.5	53.44	79.95	0	21.67	12.99	33.35
9690	0	3.34	268	12.47	80.77	202.9	99.62	215.6	191.1	240	241.9	230	297.8	73.67	104.4	24.35	24.64	43.18	39.03
9740	0	0	76.18	29.72	73.99	90.97	112.3	24.27	201.6	155.1	147.3	153.5	155.1	101.3	21.56	0	39.13	17.08	38.75
9790	0	5.81	755.8	67.13	11.29	53.85	78.59	79.9	109.5	145.3	96.64	166.6	160.6	0	93.98	91.17	36.95	45.38	62.07
9840	0	0	25.45	77.02	28.03	115.2	51.8	81.06	221.3	85.12	135.4	170	186.3	161.8	11.41	27.39	0	51.35	44.03
9890	6.47	1.14	0	8.59	47.68	31.77	2.28	34.7	97.3	53.6	43.38	116.1	94.68	10.99	1.62	0	0	16.31	85.48
9940	5.43	0	0	9.52	22.89	121.6	50.81	42.11	63.19	40.91	106	113.5	34.67	0	0	13.99	14.68	22.64	47.96
9990	2.14	0	49.63	13.71	8.7	19.57	44.17	72.31	75.02	84.68	47.43	35.41	25.57	13.84	185.1	0	31.7	4.29	37.17
10040	2.27	0	0	25.28	40.92	73.26	102.2	52.29	95.85	0	70.77	110.7	76.62	17.9	22.57	0	5.42	35.62	22.76
10090	0	9.15	16.2	26.98	1.59	98.37	16.86	16.91	44.65	104.9	0	54.98	82.1	13.92	121.9	0	2.6	0	0
10140	0	0	86.04	0	36.33	0.56	40.84	20.79	53.43	78.53	0	55.45	0	40.4	0	13.65	6.2	20.03	6.35
10190	6.93	5.85	486.7	30.25	3.18	80.05	70.44	6.84	52.01	0	38.47	11.41	2.84	67.38	29.12	0	0	0	12.54
10240	6.05	2.37	232	0.23	7.9	0	0	34.02	39.75	25.34	0	44.72	45.86	50.17	0	0	0	7.35	0
10290	19.47	0	35.51	59.11	38.16	37.38	69.13	116.4	113.5	114.5	139.7	196.1	112.5	64.66	81.68	0	0.87	19.85	52.08
10340	4.93	0.16	234.1	94.55	20	50.76	74.58	88.22	96.78	109.6	144.4	112.1	67.49	0	0	0	33.31	8.84	0
10390	12.18	0.27	49.35	10.33	6.23	62.84	49.52	3.4	75.11	66.07	19.08	0	50.81	50.03	41.34	0	41.41	6.95	39.83
10440	3.44	0	0	49.05	23.49	0	46.23	41.64	43.21	71.99	108.3	161.9	49.49	3.85	62.59	19.27	9.25	5.64	21.96
10490	13.24	0	120.2	10.39	26.26	55.74	26.46	52.32	0	28.55	24.21	33.92	0	77.75	4.62	20.14	4.44	0	39.89
10540	2.09	4.71	0	29.11	27.62	0	59.23	22.63	43.49	32.08	111.4	23.47	30	117.9	0	8.96	8.1	46.44	54.18
10590	0	0	213.8	15.35	10.32	23.75	14.57	58.52	27.46	47.56	111.1	111.2	39.24	0	9.29	13.69	0	11.04	14.71
10640	0	0	21.2	5.33	41.63	69.05	54.54	88.1	134.3	111	137.3	82.51	118.7	0	0	0	31.71	58.83	43.8
10700	0	0	9.05	15.99	27.57	13.37	40.54	68.42	25.6	119.9	107.1	73.81	0	15.89	0	12.35	5.45	20.88	19.99
10750	1.29	0	0	12.77	15.2	46.04	59.42	51.86	66.67	99	80.43	36.61	40.09	29.94	0	0	35.64	18.88	27.03

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Depth	AMU136	AMU137	AMU138	AMU139	AMU140	AMU141	AMU142	AMU143	AMU144	AMU145	AMU146	AMU147	AMU148	AMU149	AMU150	AMU151	AMU152	AMU153	AMU154
2930	3.16	4.95	18.17	0	3.33	14.67	11.08	4.8	6.35	0.95	0.2	0	2.7	0.75	5.35	0	1.2	0.47	0
3050	6.02	7.55	8.32	4.52	2.38	0.43	9.12	7.51	0	0.91	3.51	7.65	8.09	8.78	31.55	0.96	4.58	0	13.43
3170	3.37	0	0.46	13.9	7.05	0	1.98	0.46	0	0.1	1.1	0	2.2	0	0	5.84	0	0	0
3230	1.16	0	33.46	3.53	0	1.72	0.32	3.81	0	0.41	2.59	7.77	0	0	3.5	2.65	0	2.97	3
3290	5.38	0.79	0	3.92	0	2.62	0	1.05	11.73	0	0	0.81	1.43	4.62	0	0	0	0	2.18
3350	3.37	5.42	6.43	5.12	0	0	0	3.48	12.61	0	0	0	0	0	1.23	0	17.74	8.68	10.52
3410	0.14	1.54	0	0	0.48	3.17	0	4.36	0	1.09	0.57	0	2.65	0	1.69	0	14.25	0.4	0.71
5300	0	4.18	0.65	3.45	7.51	9.5	2.76	0	0	0	0	4.73	0	0	0	0	0	4.18	8.08
5400	1.13	0	4.74	2.13	0.29	8.56	4.49	1.82	4.84	0	0	2.27	2.87	0.19	5.68	0	0	2.87	1.51
5500	2.06	2.75	9.21	6.93	0	12.56	2.64	0	0	0	1.95	3.38	0	0.65	3.88	0	1.89	4.26	1.8
5600	7.92	0.85	7.4	30.28	0	2.76	0.56	0	4.1	2.2	0.06	2.06	0.37	0	0	0	2.99	0.17	0
5700	9.63	22.5	17.98	13.42	28.65	24.92	24.45	1.14	16	4.15	0	2.66	0	4.59	4.7	12.78	0.02	11.05	14.11
5800	16.15	24.38	40.05	26.23	27.71	22.59	0.5	9.04	0	0	6.35	3.89	0	5.81	8.75	4.58	2.32	7.16	4.46
5900	54.58	38.39	64.7	42.51	14.19	46.74	18.24	12.93	9.63	6.91	5.32	8.23	3.59	12.45	13.93	4.12	0	30.68	21.48
6000	20.12	17.66	12.78	22.89	0	8.53	22.08	8.27	0	0	0	1.2	0	4.32	0	5.98	13.45	0	29.8
6100	22.85	22.68	29.82	40.45	16.36	49.9	7.36	0	3.88	8.53	3.04	13.94	9.53	0	14.39	23.31	50.12	28.97	1.47
6200	28.13	13.76	8.84	60.3	39.01	22.03	0.08	3.79	0	8.1	2.96	6.06	12.74	7.53	9.67	10.7	17.09	11.67	20.42
6300	30.91	31.29	52.97	26.48	30.6	0	18.07	13	3.07	2.95	8.28	0	7.9	10.2	9.02	0	23.29	22.84	0
6400	22.2	8.14	0	23.11	23.94	6.04	6.82	12	0	7.63	1.99	13.26	6.75	0	0	5.85	7.94	1.81	14.06
6500	25.05	22.64	8.78	13.65	15.68	12.25	3.53	10.5	20.19	0	3.25	0	0	5.74	7.68	0	1.21	7.01	9.88
6600	60.17	18.48	46.33	28.85	17.32	51.66	17.2	2.71	0	0	0	0.18	12.4	3.38	15.45	17.28	15.51	3.33	46.59
6700	52.25	61.71	83.08	84.16	89.97	76.3	55.28	45.77	32.41	11.27	6.93	14.38	13.77	14.89	32.22	62.55	24	33.92	37.72
6800	19	14.78	31.23	42.3	6.98	9.3	8.12	18.5	0.23	0	0.84	8.06	9.77	10.32	0	9.22	22.42	0.04	4.03
6900	20.18	36.04	44.6	41.12	47.23	10.28	6.72	0	2.62	4.89	1.89	0	7.94	6.16	33.58	10.98	6.75	7.48	5.85
7000	9.55	20.03	10.57	1.85	6.68	1.41	29.6	0	0	0.57	2.44	12.77	0	1.93	7.43	4.67	12.12	21.36	0.17
7100	5.79	11.8	5.58	36.59	23.28	9.87	0	0	19.95	0	0	3.42	7.66	0	2.44	5.32	11.97	0	0
7200	24.81	16.98	24.43	23.1	19.42	8	6.84	0	7.19	1.91	1.32	3.14	4.89	1.37	5.08	5.71	7.19	12.8	1.41
7300	22.56	26.9	4.39	21.8	11.12	15.31	4.14	0	23.35	0	1.62	23.5	12.17	37.22	3.63	14.15	17.05	1.64	0
7350	15.89	14.91	24.79	35.54	11.14	18.34	25.07	5.73	25.51	7.8	1.78	1.68	10.12	1.82	12.99	18.58	25.2	23.2	2.96
7400	46.41	33.23	40.96	17.14	26.95	5.22	47.83	4.08	9.18	10.17	6.67	7.71	5.48	6.27	15.26	14.13	4.75	11.23	7.93
7450	528	567.6	678	801.4	760.9	589.9	526.6	127.9	90.72	14.88	9.91	32.75	70.46	113.1	202.3	234.7	287.4	355.9	219.9
7500	3176	4149	5855	6704	6465	4405	3177	1078	826.4	56.42	64.47	266.4	469.5	906.1	1528	2075	2782	2124	1551
7550	733.6	1085	1374	1317	1197	985.4	732.4	268.1	131.7	39.29	30.14	104.6	153.9	276.4	391.4	462.4	482	422.3	414.8
7600	877.5	1175	1192	1235	1330	1052	776.1	388.1	119.1	43.15	40.41	103.7	190.4	259.6	503.6	517	636.6	526	571
7650	245.6	356.8	388.5	465.6	395.4	415.6	372.9	68.6	30.32	3.99	6.52	37.26	65.53	137.5	176.5	165.2	232.1	257.6	212.3
7700	452.4	510.5	661.9	882.1	783.6	669.8	398.7	147.6	75.52	30.16	25.81	88.35	107.5	113.3	301.7	274.1	376.2	487.2	220.3
7750	15320	22600	26320	32530	30740	26500	19300	6425	5316	392.4	346.5	1328	2886	4483	8530	11730	13280	13510	13320
7850	1292	1556	1994	2222	2010	1856	1260	399.8	445.9	110.6	37.55	88	254	320.2	681.4	753.4	977.5	830.8	991.4
7900	521.5	688.1	1094	1095	1065	650.7	560.8	282	146.4	92.37	26.78	100.3	190	150.6	408.8	393.3	479.6	503.7	557.4
7920	1049	1195	1376	1598	1897	1459	1110	317.1	174	69.39	43.98	82.96	131.2	239.1	560.8	716.5	671.7	658.9	636.5
7950	684.5	725.2	930.8	1066	921.8	894.9	598.5	255.5	179	10.66	9.91	77.65	96.44	177.5	282.7	322.7	409.5	405.3	303.1
7980	388.5	524	595.7	614.3	561.2	611	385.6	181.1	90.53	29.67	23.67	37.18	81.95	120.1	140.7	264.6	325.1	258.1	226.7
8010	284.2	365.4	361.3	481.8	574.6	433.5	412.4	253.3	210.4	14.05	8.91	0	39.84	77.53	118.4	298.2	360.2	315.2	218.9
8040	494.3	464.1	547.7	640.3	690.3	569.7	403.3	78.75	115.6	2.56	11.12	68.8	135.6	155	273.7	249.2	325.7	471.9	231.1
8070	477.9	612.5	699.9	860.9	802.3	607.8	512.7	255.9	181.5	32.42	26.74	70.76	170.4	171	273.8	343.4	419.8	317.4	414.4
8100	268.4	413.3	438.5	603.6	303.6	337.7	285	145.3	13.73	15.51	12.43	53.58	39.23	88.97	145.9	173.4	267.7	288.6	351.7
8130	259.5	178.3	389.9	431.6	423.5	366.8	205.8	118.8	112.2	0	14.52	47.33	126.3	79.1	108.9	125.5	174.9	145	106.1
8160	474.8	537.7	610.3	709.4	390.9	448.8	330.2	162	194.1	0	20.09	89.58	224.3	107.1	280.4	282.9	344.7	288.6	223.8
8190	196.7	264.8	230	320.6	235.1	228.7	285.8	140	71.83	7.43	17.59	8.78	30.09	111.6	157	86.11	76.23	202.3	149.6
8220	1858	2462	3028	3979	3250	2680	2301	715.7	687.7	94.54	85.28	219.1	341.2	405.6	845.2	1261	1445	1327	989.7
8250	766.7	675.5	888.1	914.9	804.4	672.5	690	176	265.9	41.01	37.97	102.3	181.5	239.6	308.6	476.7	405.7	374.7	549.5
8280	398.6	574	720.5	858.3	616.5	471.6	386.6	245.8	139.7	137.1	23.67	99.18	133	204.5	72.45	203.7	178.9	420.1	302.5
8310	665	581	870.8	682.6	657.8	495.8	480.8	147.6	0	26.28	0	75.97	36.34	191.5	311.4	278.4	283.3	337.7	413.2
8340	477	594.5	979.8	1221	803.3	635.1	753	274.4	121	77.85	8.18	54.88	76.98	173.8	429.4	349.3	417.4	416	578.1
8370	536.9	613.5	575	917.4	839.2	924	517	355.1	370.4	42.4	21.78	23.98	207	221.7	358.5	329.8	363.7	488	603.7
8400	459.8	765.2	968.5	1297	1190	1241	675.9	339.5	486.1	19.68	0	105.2	197.9	224.5	302.6	617.1	587.2	554.5	508
8430	3844	5246	6559	8385	7228	6713	5049	2161	1592	172.4	121.1	541.2	833.7	1198	1810	3191	3370	3098	2907
8460	1860	2011	2815	3612	3211	2794	1952	727.2	758.9	148.8	88.28	348.3	321.7	606.7	914.4	1107	1171	1576	1032

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M/Z	AMU136	AMU137	AMU138	AMU139	AMU140	AMU141	AMU142	AMU143	AMU144	AMU145	AMU146	AMU147	AMU148	AMU149	AMU150	AMU151	AMU152	AMU153	AMU154	
8490	5236	7170	8246	9911	11590	10360	7391	3192	3077	247.1	142.6	65.6	1165	1602	2628	3908	4589	4224	4300	
8520	2544	3279	3759	4230	3881	3563	2137	725.7	1056	211.7	88.83	46.19	710.1	885.8	1491	1943	2571	1672	1923	
8550	969.1	1276	1345	1705	1821	1245	912.8	298.3	184.9	74.13	42.51	145.5	225.1	260.5	493.1	618.1	612.9	858	943.4	
8580	1005	1309	1636	2028	2188	1803	1167	456.2	485	79.78	53.03	198.5	260	488.3	517.9	950.6	885	872.3	678	
8610	698.1	708.2	817.2	1263	1117	1074	590.8	250.3	107.3	12.11	27.33	152.5	148.8	201.4	462.9	523.7	462.8	361.3	586.9	
8640	1940	2512	3025	3867	3802	3636	2640	1417	1022	136.4	66	290.9	340.9	628.3	1057	1325	1450	1122	1441	
8670	756.8	695.9	917	1060	978.3	967.6	661	336.6	81.36	58	8.48	68.19	122.1	194.4	288	428.3	575.8	383.7	208	
8700	439.1	405.5	436.7	687	689.1	540.6	584.2	237.9	262.6	53.7	9.56	48.99	99.91	151.3	240.5	225.9	439.1	237.5	341.8	
8730	487	561.8	775.1	857.7	1014	604.4	993.3	245.6	310.3	4.02	23.12	109.7	111.1	175	306.8	312.4	342.8	313.9	259.5	
8760	2246	2567	3009	3704	3811	3362	2941	1531	1236	73.56	57.68	421.4	569.7	743.1	1059	1315	1299	1202	1201	
8790	369.5	410.2	553	675.7	471.5	343	556	278.2	170	39.6	32.16	19.38	87.04	156.1	249.4	394.9	340.7	352.9	284	
8820	374	539.7	333.7	401.2	395.8	457.3	384.2	117	26.72	11.17	6.41	21.49	77	86.93	171.6	163.5	162.9	133.6	299.5	
8850	208	319.1	472.6	275.2	460.5	350	362.3	212.4	53.33	51.57	12.28	48.91	69.98	58.78	146.2	88.39	133	269.2	217.4	
8880	576	692.7	905.6	1170	1128	839.2	1051	377.7	678.4	58.44	20	126	171.7	235.6	381.5	461.8	523.3	411.3	510.5	
8910	407.2	437.3	431.3	641.3	668.9	534.6	576.8	277.4	78.48	47.28	7.77	112.9	94.22	207.2	165.7	315.3	227.2	368.2	422.6	
8940	27.84	122.5	93.03	169.8	255.1	324.8	0	97.94	0	20.21	5.54	28.31	25.97	37	99.49	230.3	213.4	132.9	110.3	
8970	81.22	172.1	219.7	133.4	339.9	227.4	148.8	53.17	2.24	27.94	12.74	0	86.07	32.31	120.3	158.4	133.2	226.3	82.58	
9000	422.8	512.6	374.1	604.3	532.2	535.1	376.8	218.8	99.06	33.13	10.82	62.02	127.5	119.4	252.9	151.5	337.6	216.7	348.1	
9030	97.7	138.1	198.4	336	205	127.3	156.3	30.92	0	0	15.82	0	54.31	90.25	75.38	203	103.6	88.02	66.96	
9060	210.4	369.5	294.3	625.9	530.1	381	288.2	69.52	42.76	34.19	12.7	62.12	100.8	23.24	177.1	157.3	166.3	182.2	264	
9090	208.2	85.26	193.3	316.1	266.5	506.2	106.8	118.1	0	0	0	21.52	75.38	119.4	94.76	64.44	75.07	192.1	75.01	
9120	129.4	150.4	212.7	304.7	254.1	132.6	137.2	101.4	60.89	17.22	12.2	98.75	45.61	37.89	133.3	96.58	149.7	92.81	66.32	
9150	199.8	247.3	189.9	286.8	240.3	302.2	190.4	77.93	11.43	22.83	0	24.94	83.81	55.37	93.58	127.3	82.21	131.4	149.5	
9180	56.86	57.04	77.08	184.5	174	47.55	102.7	54.9	7.92	8.8	22.04	20.29	9.21	7.08	83.5	30.23	0	163.9	0	
9210	170	383.9	368	532	504.6	546.2	323.9	218.5	104.6	11.76	4.46	27.59	43.76	94.75	138	272.3	137.8	211.8	161.9	
9240	83.84	88.89	14.25	139.5	139.2	86.23	85.27	85.08	11	4.16	0	27.65	15.85	31.34	87.99	87.25	0	104.7	0	
9290	85.5	130	193.1	127.9	121.8	158.7	71.54	57.42	0	0	2.69	35.45	33.61	44.72	68.95	89.81	64.02	15.57	47.28	
9340	71.57	0	81.58	133.9	70.79	39.11	65.39	16.68	20.87	26.89	4.22	31.1	0	30.08	55.62	0	73.21	0	73.25	
9390	71.11	22.03	33.28	235.1	41.92	44.13	0	47.49	60.01	0	0.31	0	24.9	29.1	3.19	135.6	3.54	38.14	42.62	
9440	98.73	87.66	51.83	127.2	87.07	21.22	27.38	10.94	33.72	14.57	10.02	23.35	11.68	0	31.23	40.5	15.85	0.97	61.83	
9490	90.74	52.54	45.04	92.41	75.66	97.64	49.21	31.27	0	3.48	3.64	22.24	9.26	24.52	0	4.42	0	43.24	72.43	
9540	21.08	59.92	55.89	53.35	31.29	96.41	99.63	0	0	16.92	8.74	11.48	15.08	0	26.15	5.36	33.08	41	0	
9590	13.47	22.81	125	81.57	33.3	66.49	0	21.18	0	10.12	9.67	29.55	33.23	29.22	16.13	8.1	84.4	18.15	0	
9640	101.3	164	65.51	109.4	58.82	20.9	68.83	119.4	82.56	0	17.2	7.9	9.04	80.74	6.68	96.45	37.11	74.79	45	
9690	162.9	103.5	148.9	182.9	116.3	136.7	0	48.57	70.14	31.88	9.02	10	46.97	46.61	85.63	53.97	79.59	0	104.8	
9740	46.81	54.05	73.48	43.01	67.91	132.5	78.96	24.08	21.19	9.9	12	13.91	39.47	51.15	0	0	0	58.52	62.26	
9790	60.55	71.79	0	93.18	42.33	0	12.17	0	0	10.08	0	12.14	30.73	32.29	5.63	43.93	96.67	32.93	59.19	
9840	58.03	86.83	73.75	181.9	139.1	97.7	43.32	0	34.91	12.84	0	9.2	25.72	6.17	51.15	16.18	18.98	15.97	14.75	
9890	19.79	17.28	14.84	14.29	0	80.66	96.88	63.26	0	0.88	1.61	5.09	32.61	30.04	87.02	55.26	5.09	47.7	54.08	
9940	108.9	37.85	70.16	0	20.78	85.83	0	98.1	85.3	3.57	14.44	27.12	11.42	13.9	34.5	82.88	0	22.08	0	
9990	3.83	54.47	95.78	0	36.1	57.86	66.75	0	0	33.92	0	10.67	18.45	0	29.94	0	0	7.85	29.37	
10040	42.69	35.17	20.74	82.6	0	10.71	10.49	0	0	5.91	0	38.92	20.41	0	69.71	8.38	46.32	0.2	2.37	
10090	24.76	69.23	11.78	0	22.61	0	50.39	43.8	27.47	25.81	8.82	0	0	70.98	13.46	0	34.52	58.9	30.54	
10140	3.76	35.06	51.95	114.2	119	36.01	36.64	8.59	24.8	0.84	5.85	20.67	18.48	0	0.6	30.83	11.63	42.07	11.28	
10190	20.35	7.44	41.32	0	52.18	0	15.19	0	0	3.19	0	0	1.44	0.22	3.78	0	0	14.7	36.39	
10240	0	0	0.75	0	1.03	41.75	0	14.58	0	0	0	13.12	0	0	24.68	13.9	0	20.86	23.42	
10290	63.98	44.16	26.49	104.5	129.5	91.85	21.88	11.11	0	0	4.43	0	3.05	26.89	21.4	32.08	33.47	13.8	51.45	12.34
10340	57.96	25.1	75.38	55.66	100.8	126.3	110.2	16.92	0	2.9	4.25	1.1	0	0	0	0	0	46.45	0	0
10390	52.72	24.38	24.53	0	43.55	38.57	0	34.58	0	3.16	0	2.25	6.88	10.89	0.96	0	0	0	0	0
10440	28.54	72.31	27.16	112.4	0	48	2.8	30.84	40.13	21.0	1.48	12.9	7.12	0	6.84	10.78	41.67	15.96	26.28	
10490	36.45	0	29.87	0	6.21	106	27.16	0	58.46	1.15	0.36	0.98	0	6.73	0	0	0	0	0	0
10540	0	34.4	80.56	17.84	149.6	53.5	0	14.42	26.49	6.43	0	2.37	27.48	0	0	0	10.17	21.7	21.06	
10590	21.28	25.64	6.12	52.15	63.94	68.74	0	7.92	10.07	1.62	5.47	0	18.24	0	9.85	6.71	0	0	31.61	
10640	93.42	15.36	78.24	66.44	0	3.83	0	0	0	1.45	0	0	2.23	44.74	47.08	38.61	0	0	0	0
10700	0	105.5	53.34	65.42	83.06	41.74	0	3.66	81.99	0	0	24.28	0	11.23	35.95	0	9.77	0	39.17	
10750	0	0	0	45.17	15.43	3.21	2.46	35	0	3.8	0	0	13.1	0	0	0	17.88	0	4.26	

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Depth	AMU155	AMU156	AMU157	AMU158	AMU159	AMU160	AMU161	AMU162	AMU163	AMU164	AMU165	AMU166	AMU167	AMU168	AMU169	AMU170	AMU171	AMU172
2930	9.95	0.33	0	0	0	1.03	0	10.24	3.05	0	0	0	2.14	15.23	2.11	0	0	1.13
3050	0.62	7.66	0.84	0	0	2.86	0	6.4	0	0	10.39	0.45	0	0	0	31430	0	0
3170	0	0.81	0	32.91	0	0	1.61	0.62	0	0	0	0	2.78	0	0	248000	0	4.91
3230	0	18.1	1.03	0	0	0	3.01	0.5	2.3	0	0	0	0	0	0	83090	0	0
3290	7.66	0	0	7.29	0	0	1.32	0	4.94	0	8.33	0	0	0	0	979000	0	1.84
3350	3.4	0	5.03	0	0	5.15	0	0	3.51	0.91	3.61	0	0.45	4.68	0	0	0	0
3410	0	0.48	0	7.87	0	0	0	0	0	0	0	0.3	9.12	8.21	1.5	47820	0	0
5300	6.11	2.02	0	48.19	0	0	7.93	0	0	0.27	8.41	0	3.05	9.18	0	0	0	0
5400	5.41	5.25	4.91	0	0	0	0	0	0	0.65	2.12	0	0	8.95	0	475800	0	0.18
5500	0	10.6	0	13.83	0	0	0	0	0	0	0	0	0	0	0	0	0	2.73
5600	0	0	0	0	0	0	0	0.72	0	0.76	0.96	0	3.08	0.08	1.36	0	0	0
5700	0	0	0	18.8	0	6.63	0	0	2.64	4.82	4.06	4.3	0	2.46	0	0	0	5.7
5800	0	0	0	0	0	2.24	0	1	0	2.49	0.15	0	21.35	0	0	0	0	0
5900	7.96	0	6.22	30.1	0	1.78	2.78	2.1	2.29	0	8.96	0.94	2.05	3.57	0	0	0	0
6000	0	3.63	3.21	13.05	0	0.47	5.84	1.71	0	2.71	6.26	4.41	6.19	0	28110	0	5.25	
6100	9.3	19.84	6.9	25.24	0	0	2.52	11.45	0	2.86	0.81	11.03	1.42	0	233400	0	0	
6200	12.38	16.19	0	0	0	0	20.72	0.78	0	5.11	0	0	4.13	0	219300	0	0	
6300	2.51	17.99	0	0	0	0	0	2.77	1.08	0	2.12	2.5	2.44	0	0	0	0	0
6400	5.24	7.67	0	0	0	0	0	7.19	14.79	0	0.06	0	12.58	3.98	84860	0	0	
6500	15.18	14.13	0	0	0	0	2	0.73	4.58	0	1.5	0	7.77	6.96	0	0	0	0
6600	0	0	7.43	74.13	0	0.76	0	6.74	5.86	5.22	7.65	13.26	17.28	3.66	77650	0	0	0
6700	21.59	0	0	0	0	0	7.55	0	17.82	1.11	22.89	10.82	8.93	6.38	0	0	0	5.38
6800	0.83	10.3	0	0	0	0.66	8.48	1.62	0	1.36	0	11.8	0	7.9	0	0	0	4.75
6900	8.4	0	0	0	0	0	0	1.86	6.14	0.87	11.44	3.7	0	0	0	0	0	9.36
7000	6.69	0	5.87	8.22	0	3.61	7.02	0	0	0	8.52	4.27	11.2	0	1865000	0	0	0
7100	4.89	13.42	6.44	0	0	0.21	0	0	6.91	6.37	0	20.78	0	2.55	0	0	0	0
7200	2.59	67.87	0	0	0	0.23	0	5.09	0	6.63	8.88	17.67	11.87	0	309800	0	0	0
7300	2.19	0	0	0	0	0	0	10.65	11.4	0	5.49	0	2.2	0	0	0	0	1.44
7350	0	0	0	0	0	0	0	31.72	13.11	15.1	3.79	7.18	4.48	0	986900	0	1.32	0
7400	13.94	3.01	0	5.2	0	0.78	0	1.63	3.55	6.35	14.08	0	5.52	0.53	1.34	0	0	0.37
7450	144	86.02	22.97	47.44	0	4.27	10.42	32.25	48.28	85.25	77.4	51.22	57.65	39.83	21.58	989700	0	6.72
7500	1005	641.2	217	118.4	0	12.06	114.8	243.8	360.7	532.3	673.1	579.9	467.4	312.1	112.3	7078000	0	12.81
7550	248.6	154.3	24.33	6.92	0	8.64	32.5	80.95	78.2	104.2	149.5	143.3	72.51	67.83	27.16	1947000	0	0
7600	393.7	331.5	88.74	127.4	0	2.23	40.22	80.38	127.1	183.5	194.2	202.5	209.9	101.4	27.02	1704000	0	6.2
7650	76.34	74.82	7.7	57.45	0	2.25	5.64	80.25	62.24	70.49	35.49	83.54	72.79	5.88	56.38	414700	0	0
7700	200.4	129.4	40.65	85.44	0	3.93	13.56	91.5	67.08	69.79	96.99	92.44	88.66	107.6	32.6	421400	0	0
7750	7830	6217	1731	2467	0	142.5	767.9	1789	2667	3490	4292	4968	3799	2294	1328	31770000	0	16.53
7850	545.3	450.4	224.5	0	0	0.22	44.3	106.7	206.3	387.1	350.3	253.7	251.1	181.9	99.15	1642000	0	31.04
7900	190.2	85.18	67.32	64.17	0	4.2	46.08	98.57	137	141.8	203.9	146.3	172.4	120.8	34.73	0	0	5.16
7920	422.6	260.8	54.78	61.8	0	5.91	58.32	86.29	150.8	213.2	170.8	182.7	179.1	85.69	57.95	1080000	0	2.18
7950	211	201.1	66.05	282.9	0	2.81	15.92	92.82	80.21	122.6	131.3	106.5	134.4	105.7	16.51	1654000	0	0
7980	139.1	103.7	44.89	22.28	0	3.75	34.07	19.52	87.42	16.7	188.4	117.5	64.19	92.3	0	0	0	1.36
8010	55.38	169	45.31	47.59	0	1.36	11.97	67.32	59.7	69.25	85.25	57.27	100.6	76.16	10.8	520100	0	0
8040	268.1	121.5	184.3	72.72	0	3.5	20.19	66.3	65.71	118.2	56.19	100.9	184.8	75.43	20.32	2657000	0	0
8070	435.6	133.1	0	0	0	6.13	41.41	61.52	58.33	83.65	123.6	97.57	118.1	122.7	5.52	2587000	0	3.74
8100	157.7	101.4	46.66	0	0	9.55	2.86	57.28	33.82	16.96	82.9	50.04	9.49	67.28	16.41	0	0	0
8130	47.67	118	14.77	0	0	0	48.72	65.64	48.48	89.58	0	117.5	37.58	0	8.49	0	0	0
8160	271.1	107.7	106.8	0	0	0	35.82	42.66	95.57	113.7	168.4	194.2	54.9	34.92	39.64	271500	0	1.03
8190	206	14.37	5.17	0	0	0.37	7.54	0	0	40.73	10.96	132.2	81.62	26.8	998400	0	0	0
8220	724.3	466	206.9	155.2	0	15.27	102.4	166.6	241.1	322.3	352.3	272.5	377.3	159.4	85	1733000	0	3.9
8250	205.7	316.6	99.48	85.71	0	8.46	28.48	119.5	154.9	131.5	126.2	153.3	71.74	34.71	73.74	3439000	0	3.81
8280	97.62	120.7	62.29	0	0	9.64	36.89	111.6	46.86	88.68	162.3	263.2	91.57	25.4	27.86	1393000	0	8.82
8310	202.9	224.6	68.7	15.69	0	0	25.46	92.49	143	144	0	168.1	89.5	19.51	59.03	1962000	0	0
8340	415.8	190.4	139.5	49.18	0	0	7.08	17.1	9.34	215.2	182.2	4.84	89.99	98.33	57.59	288300	0	0
8370	196.9	136.5	49.42	177.7	0	0	60.75	37.24	45.61	40.7	150	87.21	111.9	76.27	94.09	206600	0	0.29
8400	260.8	210.2	96.87	105.5	0	17.62	83.87	94.03	105.9	175.7	91.19	198.7	37.4	26.71	40.69	1233600	0	0
8430	1593	1453	300.4	387.7	0	31.12	208.7	532.2	582.7	723.9	759.7	904.5	942.5	544.1	176.8	2967000	0	0
8460	855.3	609.5	170.4	209.1	0	20.03	144	188.9	268.1	547.9	656.2	390.7	409.1	247.1	110.1	3577000	0	0

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M/Z	AMU155	AMU156	AMU157	AMU158	AMU159	AMU160	AMU161	AMU162	AMU163	AMU164	AMU165	AMU166	AMU167	AMU168	AMU169	AMU170	AMU171	AMU172
8490	2703	1854	688.9	613.9	0	33.41	291.9	748.8	970.3	1229	1825	1510	823.4	1044	570.1	6703000	0	1.11
8520	1140	974.6	167.9	345.2	0	19.78	281	491.3	524.3	742.9	853.1	532.5	527.9	439.2	126.6	0	0	2.89
8550	577.2	375.1	104.9	70.09	0	2.15	58.17	211.5	267.1	337.7	257.2	217.6	134.1	0	44.94	0	0	0
8580	386.7	388.9	104.1	4.21	0	3.84	37.99	145.8	264.9	265.9	306.9	267	151.4	102.9	40.49	0	0	5.91
8610	255	187.3	55.82	0	0	0	31.29	73.95	51.14	169.3	214.9	204.2	118.6	0	71.18	944000	0	0
8640	947.4	522.3	233.9	413.4	0	25.96	93.15	190.1	245.3	306.1	571.9	428	387.2	267.6	178.5	1729000	0	1.04
8670	292.3	196.6	92.71	97.17	0	2.79	63.5	82.5	143.3	95.61	246.1	80.85	146.1	44.07	37.08	944200	0	3.29
8700	66.99	148.6	58.58	0	0	0	29.06	98.67	109.6	63.44	85.72	108.4	70.6	61.51	39.4	1823000	0	0
8730	250.1	177	0	0	0	8.74	10.38	72.98	119.9	113.9	99.16	190.4	139.6	54.67	71.27	141100	0	0
8760	703.8	718.7	147.8	209.3	0	8.72	136.5	260.6	284.1	402.9	393.9	333.6	361.9	150.7	112.8	943100	0	0
8790	177.5	0	79.86	130.2	0	4.82	16.73	169.9	100	107.3	178.7	59.05	85.82	115.7	33.43	852700	0	1.35
8820	118.2	60.93	30.66	2.03	0	9.31	34.75	63.58	43.93	76.86	66.35	91.22	89.66	7.37	0	987300	0	0
8850	0	128.4	105.6	47.75	0	0	26.56	48.76	107.5	0	72.67	81.42	13.31	30.44	0	99370	0	0
8880	214	203.4	53.94	134.4	0	6.03	6.53	92.6	29.16	151.5	141.4	90.89	84.34	69.18	21.84	1314000	0	4.76
8910	123.5	52.97	38.18	59.63	0	6.68	32.16	94.08	117.3	67.71	152.1	110.2	75.81	136.1	32.17	1090000	0	0
8940	0	23.02	0	93.98	0	0	24.5	89.23	2.01	43.83	30.12	3.48	0	30.82	16.7	1744000	0	0.35
8970	150.9	6.91	5.26	46.72	0	6.63	36.82	30.63	16.79	41.24	71.96	24.36	7.56	15.58	19	0	0	0
9000	99.79	67.01	59.6	0	0	4.94	16.74	87.9	60.29	111.9	47.74	48.29	103.6	0	42.72	89960	0	0.4
9030	75.16	0	2.86	0	0	0	14	25.16	13.48	84.81	88.39	50.98	31.69	73.53	11.09	0	0	2.12
9060	37.34	18.06	20.29	66.87	0	0	20.65	10.09	4.93	67.29	107.6	36.03	44.68	12.26	0	0	0	5.69
9090	0	41.53	0	43.11	0	0	15.35	23.42	16.39	3.9	11.13	32.56	50.64	0	25.7	0	0	6.75
9120	92.61	0	0	6.36	0	2.31	0	18	18.89	42.81	44.92	0	14.55	67.41	18.26	0	0	0
9150	95.72	28.93	8.91	35.86	0	0	14.61	22.79	17.01	0	59.94	37.16	43.37	23.78	21.35	624800	0	0
9180	80.19	54.94	7.39	0	0	0.98	0	36.12	12.27	0	0	25.44	7.97	0	7.1	653000	0	4.33
9210	103.3	77.11	59.91	0	0	0	12.09	26.13	15.52	21.53	33.33	77.79	0	35.02	33.1	902800	0	0
9240	92.16	6.06	0	0	0	0	0	28.3	11.87	32.58	22.22	20.51	2.79	0	13.31	0	0	4.3
9290	19.9	102.1	8.4	30.33	0	0	10.39	0	0	37.9	44.53	73.56	0	0	0	0	0	1.16
9340	51.32	52.25	0	13.44	0	2.68	5.52	2.57	22.94	59.81	0	0	10.46	8.78	0	0	0	0
9390	0	22.34	0	46.4	0	0	0	0	3.27	0	0	8.99	15.07	22.8	0	0	0	0
9440	2.97	32.34	19.77	4.4	0	0	0	0	7.76	18.24	15.06	0	18.7	0	0	2127000	0	2.95
9490	45.86	8.33	31.43	39.19	0	1.08	7.89	0	4.12	0	0	11.78	0	4.35	14.84	123400	0	8.37
9540	0	0	18.31	0	0	2.92	0	0.27	0	1.87	16.9	26.54	0	0	12.16	0	0	0
9590	40.65	11.28	0	67.35	0	8.04	1.55	8.66	15.66	10.47	14.67	12.29	1.61	0	0.86	0	0	0
9640	0	0	0	18.67	0	0.08	5.09	0	0	0	16.12	15.22	14.76	26.35	2.12	0	0	0
9690	38.14	6.32	11.37	0	0	0	13.43	26.55	62.99	18.91	79.66	29.34	0	29.85	0	0	0	14.68
9740	25.36	0	0	0	0	0	10.9	0	0	8.96	0	0	7.21	0	0	0	0	10.03
9790	46.06	41.01	0	0	0	0	7.77	24.59	1.52	19.22	13.44	55.32	0	0	5.05	0	0	1.89
9840	17.33	18.63	4.23	44.48	0	0	0	0	25.87	0	24.19	0	27.71	3.83	0	0	0	0
9890	33.76	0	2.03	0	0	3.24	0	12.88	4.39	0	17.2	10.55	0	0	0	0	0	2.66
9940	0	0	13.52	0	0	4.07	0	0	12.41	0	48.88	0	17.8	33.2	5.61	356100	0	0
9990	0	31.15	19.66	92.49	0	0.88	6.84	0	0	13.5	7.73	0	0	23.92	5.58	0	0	0.33
10040	0	0	0	0	0	2.16	0	14.45	0	19.62	0	13.42	0	12.16	5.36	369600	0	3.95
10090	0	0	6.07	40.89	0	0	3.48	15.22	2.79	0	51.09	27.74	23.2	0	38.97	233300	0	3.52
10140	22.61	0	14.93	24.56	0	0	45.02	19.68	0	16.58	26.31	15.97	0	0	29.97	500400	0	13.04
10190	3.79	0	7.98	0	0	0	0	3.64	21.8	8.05	0	2.74	0	25.34	1.62	25900	0	3.25
10240	21.17	0	0	0	0	0	5.31	4.99	5.43	0	0	0	0	7.5	0	1798000	0	0
10290	53.17	15.49	36.64	223	0	0	0	12.52	13.4	0.62	0	12.12	17.7	5.19	0	2143000	0	0.11
10340	11.05	52.54	10.99	56.51	0	2.47	2.85	0	0	0	0	0	0	0	0	545800	0	2.4
10390	0	45.37	0	0	0	0	0	0	0	29.33	0	0	0	15.72	22.31	0	0	2.67
10440	35.53	1.7	0	11.39	0	9.74	0.08	0	2.19	10.79	0	12.93	0	71.24	7.01	0	0	0
10490	0	0	10.76	0	0	0	0	0	0	0	0	4	0	0	6.78	0	0	2.39
10540	0	0	1.86	0	0	0	4.57	0	0	0	38.66	0	15.07	0	0	0	0	4
10590	25.68	0	0	0	0	0	0	0	0	0	20.59	0	18.84	0	0	275200	0	1.96
10640	10.91	0	0	56.93	0	0	2.8	9.95	8.16	17.92	0	0	0	0	0	604600	0	0
10700	18.99	12.13	0	24.14	0	4.98	0	0	0	4.69	45.28	0	35.36	0	10.05	0	0	4.24
10750	0	6.4	5.01	61.44	0	0	1.18	0	0	0	1.97	0	0	0	0	0	0	0

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Depth	AMU173	AMU174	AMU175	AMU176	AMU177	AMU178	AMU179	AMU180	
2930	0	1.09	0	0	0	4.47	81.2	80.8	65.6
3050	0	0.8	3.44	2.02	0	0	81.2	80.8	65.6
3170	0	0.01	1.71	2.49	2.01	0	81.2	80.8	65.6
3230	0	0	0	0.17	0.61	2.74	81.2	80.8	65.6
3290	0	0.3	0	3.5	0	2.62	81.2	80.8	65.6
3350	0	0	1.01	0.62	0.06	1.22	81.2	80.8	65.6
3410	0	0.41	0	0	1.19	4.03	81.2	80.8	65.6
5300	0	0	5.75	6.34	0.51	0	81.2	80.8	65.6
5400	0	0	0	0	0	0.17	81.2	80.8	65.6
5500	0	0.66	0	0	0.22	3.35	81.2	80.8	65.6
5600	0	0	2.39	1.96	0	2.97	81.2	80.8	65.6
5700	0	0.79	0	0	0	0	81.2	80.8	65.6
5800	0	0	0	0	0	0.34	81.2	80.8	65.6
5900	0	1.36	0	1.33	0	0	81.2	80.8	65.6
6000	0	0.88	8.08	0.51	0.13	0	81.2	80.8	65.6
6100	0	0	1.29	0	0.02	3.56	81.2	80.8	65.6
6200	0	0	1.24	0	0	8.81	81.2	80.8	65.6
6300	0	0.32	1.49	4.36	0	0	81.2	80.8	65.6
6400	0	0.38	1.5	0.14	0	0.81	81.2	80.8	65.6
6500	0	0	1.35	2.64	9.64	0	81.2	80.8	65.6
6600	0	0	0	0	8.18	8.02	81.2	80.8	65.6
6700	0	0	4.49	0	1.99	5.94	81.2	80.8	65.6
6800	0	0	2.24	1.56	1.79	8.57	81.2	80.8	65.6
6900	0	0	0	2.52	9.19	0	81.2	80.8	65.6
7000	0	0	7.87	2.34	4.89	0	81.2	80.8	65.6
7100	0	0.35	0.02	0	1.28	2.35	81.2	80.8	65.6
7200	0	0	2.64	0	0	2.86	81.2	80.8	65.6
7300	0	0	0	0	0	0	81.2	80.8	65.6
7350	0	0.88	0	0	0	3.12	81.2	80.8	65.6
7400	0	0	9.5	0	0.67	0	81.2	80.8	65.6
7450	0	0	0	5.87	11.06	21.54	81.2	80.8	65.6
7500	0	1.55	24.86	39.83	88.05	108.8	81.2	80.8	65.6
7550	0	0.92	8.65	12.13	34.19	27.09	81.2	80.8	65.6
7600	0	2.2	8.6	13.17	37.38	54.37	81.2	80.8	65.6
7650	0	0.47	4.41	4.74	13.38	2.58	81.2	80.8	65.6
7700	0	0	0	10.59	17.58	6.28	81.2	80.8	65.6
7750	0	12.48	199.3	401.3	791.5	730.8	81.2	80.8	65.6
7850	0	0	16.11	29.26	72.55	78.94	81.2	80.8	65.6
7900	0	0.88	10.7	27.4	22.72	71.76	81.2	80.8	65.6
7920	0	0.49	18.86	29.4	40.09	33.99	81.2	80.8	65.6
7950	0	2.81	7.76	14	6.9	10.03	81.2	80.8	65.6
7980	0	0	6.56	7.22	0	19.24	81.2	80.8	65.6
8010	0	0	0	11.96	8.21	12.61	81.2	80.8	65.6
8040	0	0.36	0	33.7	7.74	25.77	81.2	80.8	65.6
8070	0	0	7.85	7.01	76.4	47.17	81.2	80.8	65.6
8100	0	0	7.29	0	22.02	0	81.2	80.8	65.6
8130	0	0	18.79	2.43	9.63	0	81.2	80.8	65.6
8160	0	0	1.38	0	23.26	21.35	81.2	80.8	65.6
8190	0	0.25	11.06	3.67	10.51	0.41	81.2	80.8	65.6
8220	0	0	12.51	35.26	84.52	51.44	81.2	80.8	65.6
8250	0	0	10.68	19.03	51.09	8.6	81.2	80.8	65.6
8280	0	0.12	0	1.54	16.34	8.75	81.2	80.8	65.6
8310	0	0.78	0.04	12.8	16.17	32.75	81.2	80.8	65.6
8340	0	1.57	0	13.95	0	28.9	81.2	80.8	65.6
8370	0	1.21	25.25	3.67	34.79	0	81.2	80.8	65.6
8400	0	0.85	0	13.62	92.08	26.24	81.2	80.8	65.6
8430	0	1.53	47.55	104	227.9	163.9	81.2	80.8	65.6
8460	0	0.47	20.11	84.83	89.31	98.26	81.2	80.8	65.6

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Depth	AMU173	AMU174	AMU175	AMU176	AMU177	AMU178	AMU179	AMU180	
8490	0	0	82.31	132.5	232.9	241.2	81.2	80.8	65.6
8520	0	0.59	50.66	137	205.1	163.4	81.2	80.8	65.6
8550	0	0.15	3.14	36.08	72.29	109.1	81.2	80.8	65.6
8580	0	0.27	0	28.99	63.25	36.2	81.2	80.8	65.6
8610	0	0.25	6.72	15.8	50.5	22.91	81.2	80.8	65.6
8640	0	0.66	21.54	45.34	45	67.84	81.2	80.8	65.6
8670	0	0	6.57	10.31	19.98	12.83	81.2	80.8	65.6
8700	0	0	11.15	14.25	20.55	0	81.2	80.8	65.6
8730	0	0.35	20.15	0	0	10.29	81.2	80.8	65.6
8760	0	1.91	20.95	55.07	97.85	69.83	81.2	80.8	65.6
8790	0	0	5.28	0	0	36.9	81.2	80.8	65.6
8820	0	0	8.9	11.77	42.07	8.86	81.2	80.8	65.6
8850	0	1.06	8.77	0	13.98	23.61	81.2	80.8	65.6
8880	0	1.87	13.98	44.55	14.69	36.05	81.2	80.8	65.6
8910	0	0.45	5.15	1.64	39.15	25.31	81.2	80.8	65.6
8940	0	0	0	11.43	0	6.45	81.2	80.8	65.6
8970	0	0	6.4	0	0.27	4.42	81.2	80.8	65.6
9000	0	0	6.49	0	18.63	2.03	81.2	80.8	65.6
9030	0	0	0	0	0	0	81.2	80.8	65.6
9060	0	0	6.03	0	4.77	0	81.2	80.8	65.6
9090	0	0	5.12	0	6.38	0	81.2	80.8	65.6
9120	0	0.03	1.93	0	9.74	0	81.2	80.8	65.6
9150	0	0	9.99	0.76	0	0	81.2	80.8	65.6
9180	0	0	0	18.55	0	1.87	81.2	80.8	65.6
9210	0	0	0	2.83	5.87	2.91	81.2	80.8	65.6
9240	0	0	7.09	1.46	30.46	26.86	81.2	80.8	65.6
9290	0	0	0	5.31	55	30.17	81.2	80.8	65.6
9340	0	0	14.63	0.51	23.14	-3.93	81.2	80.8	65.6
9390	0	0.42	0	6.21	0	9.89	81.2	80.8	65.6
9440	0	0	0	0	4.22	16.88	81.2	80.8	65.6
9490	0	0	12.09	0	0	24.89	81.2	80.8	65.6
9540	0	0	1.83	9.73	0.57	11.22	81.2	80.8	65.6
9590	0	1.5	0	0	0	0	81.2	80.8	65.6
9640	0	0.06	1.08	0	3.26	10.44	81.2	80.8	65.6
9690	0	0.01	7.9	8.5	0	16.22	81.2	80.8	65.6
9740	0	0	0	0	8.23	4.51	81.2	80.8	65.6
9790	0	0	0	3.13	0	6.25	81.2	80.8	65.6
9840	0	0.06	0	0	0	0.14	81.2	80.8	65.6
9890	0	0	0	0	10.27	1.41	81.2	80.8	65.6
9940	0	0.18	0	0	61.75	0	81.2	80.8	65.6
9990	0	0	3.11	4	0	2.75	81.2	80.8	65.6
10040	0	0	0.48	3.27	0	0	81.2	80.8	65.6
10090	0	0.76	12.39	0	54.82	9.28	81.2	80.8	65.6
10140	0	0.2	0	5.55	39.86	0	81.2	80.8	65.6
10190	0	0.92	0	6.19	0	0	81.2	80.8	65.6
10240	0	0	0	11.1	0	0	81.2	80.8	65.6
10290	0	0	2.78	2.2	21.69	15.07	81.2	80.8	65.6
10340	0	0.8	5.06	0	0	1.27	81.2	80.8	65.6
10390	0	0.42	0	0	12.87	4.26	81.2	80.8	65.6
10440	0	0	0	7.48	0	0	81.2	80.8	65.6
10490	0	0	0	0	2.47	0	81.2	80.8	65.6
10540	0	0.23	0	5.66	0	0	81.2	80.8	65.6
10590	0	1.12	6.45	0	2.49	0	81.2	80.8	65.6
10640	0	0	0	0	0	0	81.2	80.8	65.6
10700	0	0	0	0	0	5.91	81.2	80.8	65.6
10750	0	0	0	2.21	0	1.85	81.2	80.8	65.6

Fluid Inclusion Data - Part 1
Kavik #1
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depth	total	CO2	H2S	H2S+H2S+C4H4	44+2	Ar	C2H6	C2H6+C4H4	C4H4	C2H4	Acetic Acid	Benzene	Toluene	60+60-67	70/70-01	Paraffin-27	57/57-15	ANI	alk	67/67-55	97/97-21	77/77-21	SO2	CS2	CS2+H2C	97/97-47	C5-C13	C6-13C15
280	15770000	6720000	0	0	0	0	0	0.01	1157000	9666	787.5	643.4	216.5	0.21	0.75	2440	0	66	0.44	0.55	0.02	477.2	202.1	0.08	4	0.74		
570	11810000	6870000	0	0	0	0	0	0.02	2325000	3873	166.5	353	318.5	0.04	0.19	312	0.02	14.15	0.69	0.64	0.02	502.1	346.3	0.83	4	0.7		
640	11870000	6276000	4982	0.02	0	1	0.02	3103000	6536	1115	1249	749.7	0.05	0.09	2690	0.06	5.11	0.84	0.68	0.02	0	1147	1.71	4	0.94			
760	16250000	9447000	8284	0.04	0	1	0.03	2073000	6765	7308	1522	261.5	0.37	0.85	1240	0.26	45.4	0.61	0.79	0.02	410.1	1100.8	2.19	4	0.95			
900	9527000	4446000	0	0	0	0	0.02	3641000	7152	3731	1164	562.3	0.16	0.71	1570	0.05	774.1	0.62	0.08	0.01	165.3	1833	2.12	4	1.13			
1500	6867000	2922000	3638	0.01	0	1	0.02	3340000	6324	859.8	1028	758.1	0.06	0.03	1230	0.04	26.3	0.64	0.49	0.01	407.6	585.4	0.75	4	1.01			
1590	16420000	4170000	10510	0.01	0	1	0.01	1702000	13730	1339	1596	1252	0.08	0.51	1520	0.01	441.7	0.51	0.6	0.02	395.2	720.8	0.38	4	0.95			
1640	7861000	2537000	0	0	0	0	0.01	6176000	3698	1312	1315	764.3	0.06	0.34	1450	0.02	34.4	0.64	0.58	0.02	0	714	0.61	4	0.94			
1690	6727000	2869000	18170	0.60	0	1	0.02	3091000	5189	1263	950.7	700.5	0.05	0.02	1130	0.08	381.1	0.63	0.67	0.01	305.6	1043	1.55	4	1.01			
1740	8233000	3513000	17580	0.03	0	0	0.01	5604000	8105	692	720.2	418	0.03	0.38	1460	0.04	4.11	0.67	0.75	0.01	0	299.7	0.77	4	0.95			
1810	16590000	2920000	0	0	0	2	0	1654000000	6409	86.68	587	800.5	0.01	0.08	7447	0	24.4	0.62	0.59	0.02	38.04	73.17	0	4	0.88			
1890	8233000	4058000	0	0	0	1	0.02	4257000	10550	144	558.5	630.6	0.03	0.52	491	0.01	5.14	0.6	0.7	0.02	476	146.8	1.23	4	0.92			
1950	10170000	5185000	0	0	0	2	0.02	6924000	13490	305.2	738.7	1215	0.03	0.63	498	0.01	571.2	0.52	0.7	0.02	444	337.3	308.1	1.4	4	0.85		
2010	13150000	6934000	0	0	0	0	0.02	7850000	16310	329.6	1075	1460	0.04	0.48	3139	0.01	100.3	0.5	0.67	0.03	174	136	1.31	4	0.91			
2050	8722000	2970000	18340	0.03	0	1	0.02	6511000	15680	608.2	1241	898.7	0.06	0.54	1241	0.01	2.7	0.44	0.68	0.01	311.2	0.96	4	0.9				
2100	13770000	6943000	0	0	0	0	0.02	8235000	16610	430.7	707.5	773.1	0.03	0.53	474	0.01	432.7	0.55	0.61	0.02	583.3	23.15	0.5	4	0.8			
2140	10520000	5164000	0	0	0	0	0.02	7088000	1478	317.4	776.4	0.04	0.32	753	0.01	444	0.5	0.62	0.02	147.8	3.51	0.63	4	0.84				
2180	6143000	2140000	18030	0.03	0	1	0.02	5053000	11620	444.1	112	768.3	0.07	0.4	158	0.01	353	0.48	0.6	0.03	131.3	2.44	0.69	4	0.82			
2210	2735000000	2075000	16100	0	0	0	0	2735000000	5225	314.5	392.7	714.8	0.08	0.6	1290	0	1.99	0.64	0.45	0.03	0	14.8	0	4	0.84			
2250	7433000	3963000	0	0	0	0	0.02	6214000	13370	224.4	367.8	515.4	0.02	0.7	471	0.01	340.9	0.5	0.77	0.02	155.7	3.32	0.94	4	0.82			
2310	8900000	2543000	0	0	0	0	0.02	5891000	12770	1875	829.8	1324	0.04	0.66	4740	0.02	1390	0.69	0.74	0.01	847.2	11.30	2.2	7	1.06			
2350	11800000	4257000	15040	0.02	0	1	0.04	6045000	23310	2840	2235	1957	0.11	0.58	6370	0.1	2180	0.61	0.76	0.01	761.9	718	3.58	8	1.13			
2390	36570000	7021000	762.7	0	0	2	0.05	2323000	113200	20650	13800	20450	0.05	0.45	40700	0.15	44.90	0.48	0.83	0.01	2907	2630	18.75	12	1.48			
2440	21830000	5563000	23990	0.02	0	1	0.05	9928000	54590	15240	7011	10450	0.07	0.48	19430	0.18	25120	0.47	0.85	0.01	1385	1530	21.83	12	1.45			
2480	15980000	5227000	3869	0.01	0	1	0.04	6235000	32650	3173	4104	4531.3	0.2	0.62	4520	0.08	8094	0.48	0.76	0.02	373.5	1570	6.85	11	1.35			
2520	10316000	2647000	0	0	0	0	0.04	10570000	40440	388.3	2210	1736	0.01	0.41	2900	0.03	2861	0.51	0.82	0.01	159.5	486.6	2.53	8	1.28			
2560	9455000	5075000	0	0	0	1	0.05	32100	41300	1342	1481	1166	0.04	0.83	5240	0.48	4.4	0.51	0.7	0.02	212.3	546.9	28.26	7	1.12			
2590	7986000	2494000	13470	0.03	0	1	0.03	4437000	15290	348.7	1472	1564	0.03	0.53	1730	0.03	1193	0.49	0.69	0.02	397.9	1815	2.68	7	1.11			
2640	12150000	4711000	23150	0.03	0	1	0.03	6293000	32650	559.7	1668	2661	0.02	0.45	3050	0.05	26.3	0.49	0.76	0.02	165.4	684.1	3.34	9	1.17			
2680	11190000	3556000	21430	0.03	0	0	0.04	7647000	32210	846.1	2938	3919	0.02	0.48	4450	0.66	9711	0.47	0.72	0.02	186.7	641.1	4.85	9	1.2			
2720	8743000	3706000	9147	0.01	0	0	0.03	8718000	22890	815.5	2215	2434	0.03	0.53	5710	0.03	241	0.46	0.73	0.02	658.2	621.8	2.75	7	1.08			
2760	10140000	3703000	22790	0.03	0	0	0.03	8634000	27940	1569	1384	1973	0.06	0.46	2420	0.03	1111	0.54	0.65	0.02	8	44.6	6.22	7	1.03			
2800	13160000	5183000	2483	0.02	0	1	0.04	6119000	24840	2139	7513	318	0.22	0.6	1130	0.11	25.36	0.61	0.61	0.01	660.8	2140	0.85	13	1.31			
2830	12790000	5369000	11750	0.02	0	1	0.03	4581000	15500	31280	13860	5194	0.35	0.77	5770	0.1	155	0.57	0.53	0.03	1524	4040	6.29	12	1.36			
2870	2763000	7145000	8118	0.01	0	0	0.05	1579000	97300	19550	8346	9056	0.11	0.52	13700	0.11	3811	0.56	0.76	0.01	1334	14470	8.25	13	1.35			
2920	6514000	1369000	10160	0	0	0	0.05	3980000	221300	39090	27480	7016	0.07	0.35	4870	0.11	541.9	0.51	0.71	0.01	3994	2320	14.68	13	1.63			
2950	16250000	9600000	0	0	0	0	0.02	6830000	33660	1413	1828	13620	0.14	0.35	4610	0.12	10390	0.63	0.68	0.01	1654	1446	15.19	12	1.5			
3000	18790000	2750000	46290	0.01	0	1	0.23	5829000	1713000	43010	16400	53790	0.92	0.3	233000	0.29	50110	0.54	0.64	0.02	21390	6480	53.75	13	1.74			
3050	15900000	4790000	10180	0.01	0	1	0.05	7413000	49140	19070	4241	5016	0.25	0.51	6430	0.07	4170	0.58	0.7	0.02	1137	4.36	5.52	12	1.27			
3090	27400000	3481000	0	0	0	1	0.05	1422000	89810	52360	8016	9314	0.3	0.62	13300	0.08	2.7	0.56	0.69	0.01	838.8	5170	5.15	12	1.36			
3130	29190000	1102000	4207	0	0	1	0.04	3273000	21100	9639	7167	15310	0.04	0.44	18300	0.05	6111	0.48	0.68	0.01	1338	408	1.71	13	1.35			
3170	37850000	9903000	4720	0	0	0	0.07	2854000	216600	21520	12500	25330	0.06	0.36	33300	0.11	5200	0.52	0.71	0.01	2546	1850	7.66	12	1.43			
3220	62010000	1408000	2554	0	0	0	0.07	4584000	367500	6909	12220	24880	0.01	0.35	54400	0.11	3000	0.6	0.78	0.01	2744	5444	6.73	13	1.45			
3260	27150000	13518000	9060	0	0	0	0.05	7718000	408500	27700	19780	46860	0.36	0.65	45000	0.03	3510	0.55	0.69	0.01	3167	4170	4.58	13	1.56			
3310	45300000	6958000	569.7	0	0	1	0.04	3273000	21100	9639	7167	15310	0.04	0.44	18300	0.05	6111	0.48	0.68	0.01	1338	408	1.71	13	1.35			
3370	15830000	3911000	5016	0	0	1	0.04	1388000	61130	3333	3530	6603	0.05	0.39	5740	0.04	40.88	0.52	0.57	0.02	0	179	3.38	11	1.4			
3410	20850000	11860000	0	0	0	2	0.04	5903000	21420	1513	2715	6381	0.08	0.44	18310	0.03	1711	0.41	0.49	0.01	156.1	2157	3.66	10	1.34			
3440	72950000	31550000	23360	0.01	0	1	0.03	2695000	87570	42220	6342	8768	0.49	0.44	4890	0.02	4.79	0.54	0.52	0.02	2280	6104	1.57	12	1.36			
3480	96370000	3929000	23210	0	0	0	0.05	5749200	28990	19340	2180	28040	0.07	0.87	26310	0.07	8094	0.52	0.62	0.01	3789	216	3.34	12	1.49			
3520	44300000	7040000	7512	0	0	0	0.05	3334000	157900	6714																		

Fluid Inclusion Data - Part 2
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M/Z

Depth	AMU2	AMU3	AMU4	AMU5	AMU6	AMU7	AMU8	AMU9	AMU10	AMU11	AMU12	AMU13	AMU14	AMU15	AMU16	AMU17	AMU18	AMU19	AMU20	AMU21	AMU22	AMU23	AMU24	AMU25	AMU26	AMU27
4740	0	448200	237.1	231	0	0	0	0	0	0	0	2413000	826500	1994000	6751000	17280000	781000	547000	0	0	1728	100800	689	6194	49600	214200
4730	0	446000	254.7	701.3	0	0	0	0	0	0	0	2724000	1500000	3048000	12410000	7190000	675000	3451000	0	0	1723	91500	772.5	7020	50120	318300
4720	0	562400	163.5	213.3	0	0	0	0	0	0	0	1562000	813000	2084000	8510000	13010000	760400	569000	0	0	1152	39610	1132	5559	32360	156100
4710	0	646800	128.7	0	0	0	0	0	0	0	0	1473000	665900	1797000	6274000	17700000	554300	421000	0	0	937.3	40250	696.3	3055	24600	153000
4700	0	475800	218.1	252.0	0	0	0	0	0	0	0	3187000	1400000	3731000	13100000	10000000	661200	4409000	0	0	2138	107500	1916	6509	42400	230800
4810	0	603700	73.8	0	0	0	0	0	0	0	0	2657000	777200	1854000	5440000	14270000	520000	4301000	0	0	2338	109700	2017	3770	16280	92200
4830	0	692700	105.5	99.99	0	0	0	0	0	0	0	1881000	637000	1879000	6379000	14100000	447500	3212000	0	0	1509	69200	729.1	3586	19600	111000
4850	0	650800	167.6	214.7	0	0	0	0	0	0	0	2543000	723400	2075000	6973000	11710000	514300	3523000	0	0	1649	97900	572	2066	26600	120900
4870	0	647300	143.3	199.1	0	0	0	0	0	0	0	1877000	676000	1647000	5072000	11620000	518900	4164000	0	0	1598	86570	932.4	3947	22740	155500
4880	0	553100	157.2	419.7	0	0	0	0	0	0	0	1474000	802700	1913000	5970000	13100000	420400	2906400	0	0	1968	39760	839.9	4622	23670	144700
4930	0	501300	94.51	0	0	0	0	0	0	0	0	1977000	858000	2043000	6037000	12100000	494000	3015000	0	0	1526	64720	1695	4391	23660	153100
4960	0	371300	88.29	126.4	0	0	0	0	0	0	0	789000	439200	1149000	3170000	6170000	156500	1074000	0	0	309.1	18790	238.3	2390	15720	97690
4990	0	427900	128.6	172.6	0	0	0	0	0	0	0	3895000	808700	2229000	2816000	16300000	552200	3719000	0	0	4607	204800	1416	4636	22170	153900
5020	0	483700	144.9	86.79	0	0	0	0	0	0	0	2454000	721000	1702000	6670000	12900000	373700	1906000	0	0	2139	103600	1592	3720	23550	154300
5070	0	418200	116.6	72.75	0	0	0	0	0	0	0	2154000	546200	1715000	5175000	8333000	274500	1747000	0	0	2272	101700	652.2	1658	15590	95770
5110	0	440300	105.3	0	0	0	0	0	0	0	0	2476000	602400	1503000	4582000	10420000	296600	1613000	0	0	1990	112700	1005	1859	14890	106000
5140	0	526500	212.4	436.7	0	0	0	0	0	0	0	2463000	598400	2007000	10470000	22080000	444400	2470000	0	0	4070	87110	865.6	4535	33390	230200
5160	0	347300	52.92	0	0	0	0	0	0	0	0	1399000	109100	557100	2720000	6751000	197000	1430000	0	0	866.4	76550	822	2349	4889	30790
5190	0	317900	25.16	0	0	0	0	0	0	0	0	441000	205200	595000	2073000	3714000	274600	3551000	0	0	1397	144900	440.3	789.5	3224	36020
5200	0	391300	51.32	0	0	0	0	0	0	0	0	1889000	196300	511000	1020000	4200000	157400	1254000	0	0	1887	88550	1101	2716	4018	34660
5250	0	488000	44.37	0	0	0	0	0	0	0	0	222900	131700	272300	170000	1945000	317400	2442000	0	0	82.55	4500	146.3	2257	2660	20440
5280	0	338900	70.92	148.7	0	0	0	0	0	0	0	1014000	402700	748400	6960000	4394000	111200	800100	0	0	428.5	14430	414.6	3294	5371	37400
5310	0	306300	37.54	0	0	0	0	0	0	0	0	410800	145600	273000	925000	1700000	240700	193300	0	0	118.5	13490	401.7	2041	3921	30680
5340	0	313100	38.08	0	0	0	0	0	0	0	0	275400	167700	354100	3163000	1107000	356200	279000	0	0	78.05	7411	0	1140	3080	17800
5370	0	396300	15.2	154.3	0	0	0	0	0	0	0	250500	126500	249000	913000	1672000	413900	141400	0	0	188.5	5644	425.1	890.6	3031	21930
5400	0	249500	0	0	0	0	0	0	0	0	0	486200	511800	121900	426000	523700	237100	204400	0	0	828	15300	672.5	1893	1534	8931
5430	0	462000	99.53	193.6	0	0	0	0	0	0	0	2313000	704800	1651000	4807400	11220000	275200	1519000	0	0	789.7	110600	952.5	3611	29510	150600
5460	0	431900	87.22	57.42	0	0	0	0	0	0	0	1946000	472000	1131000	5740000	8015000	264300	1714000	0	0	1661	92510	989.9	2749	18570	116300
5490	0	479900	99.71	122.3	0	0	0	0	0	0	0	3764000	596600	1574000	5204000	11990000	300000	2790000	0	0	2654	20000	1736	3364	20660	139900
5520	0	401900	71.89	0	0	0	0	0	0	0	0	2050000	295000	617000	1800000	4103000	197400	1367000	0	0	1465	107000	1455	2724	8559	60110
5550	0	321600	56.92	258.9	0	0	0	0	0	0	0	2118000	193000	416000	3439000	5300000	298000	1732000	0	0	2695	121100	1020	1730	4315	22400
5580	0	450100	129.2	243.2	0	0	0	0	0	0	0	486200	511800	121900	426000	523700	237100	204400	0	0	828	15300	672.5	1893	1534	8931
5610	0	463100	158.7	146	0	0	0	0	0	0	0	1770000	620400	2272000	2562000	15180000	173500	2132000	0	0	269.5	29770	8.91	2746	24560	162300
5640	0	492000	155.7	412.8	0	0	0	0	0	0	0	1289000	829800	2877000	6203000	14000000	640000	3220000	0	0	881.1	39310	220.7	2590	23900	163200
5670	0	676800	230.5	480.7	0	0	0	0	0	0	0	1014000	1521000	3375000	10770000	22300000	429200	2436000	0	0	459.9	30990	127.2	3004	28340	169300
5700	0	553800	248.7	432.7	0	0	0	0	0	0	0	2186000	1557000	3379000	12720000	20700000	611900	3052000	0	0	1816	20520	1224	5471	41430	251600
5730	0	343700	119.3	3.22	0	0	0	0	0	0	0	3148000	702700	1709000	5703000	2950000	300100	1403000	0	0	133.7	25780	540.4	4272	22690	137000
5760	0	514900	370.2	1078	0	0	0	0	0	0	0	4469000	2674000	5464000	18500000	30700000	6401000	7317000	0	0	2277	155500	1660	3073	23530	155600
5790	0	377000	120	890	0	0	0	0	0	0	0	3113000	1197000	8880000	9655600	22106000	615100	3418000	0	0	3410	144200	1128	1440	15950	90940
5820	0	254600	89.29	0	0	0	0	0	0	0	0	897600	599900	1443000	4367000	9730000	250000	1267000	0	0	2028	21470	416	3105	14560	89830
5850	0	557600	82.7	916.7	0	0	0	0	0	0	0	6029000	4316000	11200000	15400000	16300000	1790000	917000	0	0	959.7	76220	1322	19840	11650	823900
5880	0	204000	117.1	430.9	0	0	0	0	0	0	0	1514000	1053000	2570000	7440000	15540000	371100	1956000	0	0	626.2	35660	0	878.2	9071	64990
5910	0	204400	85.2	221.4	0	0	0	0	0	0	0	845100	234500	496400	1770000	2950000	300100	1403000	0	0	522.1	26860	1207	0	1094	16920
5940	0	275000	50.11	0	0	0	0	0	0	0	0	1743000	267400	546400	1850000	2900000	200000	1403000	0	0	1364	99170	1162	2339	5079	37970
5970	0	225800	67.51	305.5	0	0	0	0	0	0	0	914000	416800	1141000	2673000	5449000	382900	2404000	0	0	169.1	32020	99.73	1264	3420	40500
6000	0	625100	791.6	1398	0	0	0	0	0	0	0	8118000	5912000	12300000	57200000	100000000	2311000	6290000	0	0	1885	29000	1906	23700	131200	1013000
6030	0	331200	102.3	480.8	0	0	0	0	0	0	0	1496000	629300	1740000	5670000	12800000	1170000	7571000	0	0	856.6	58590	1005	3084	12310	68410
6060	0	249700	69.58	342.7	0	0	0	0	0	0	0	652100	380700	785000	3670000	6890000	307100	2605000	0	0	277.3	20020	16.41	1781	6717	58340
6090	0	321100	79.24	357.7	0	0	0	0	0	0	0	970400	303100	778000	3113000	5298000	390300	7053000	0	0</						

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Depth	AMU28	AMU29	AMU30	AMU31	AMU32	AMU33	AMU34	AMU35	AMU36	AMU37	AMU38	AMU39	AMU40	AMU41	AMU42	AMU43	AMU44	AMU45	AMU46	AMU47	AMU48	AMU49	AMU50	AMU51	AMU52	AMU53
288	84940	1933000	37090	9226	2144	0	0	0	60.52	388.4	77.2	12.59	4349	22.10	10740	309300	6723000	126700	17050	339.4	0	2729	1606	3257	8522	
520	69520	1720000	70360	7074	419.1	0	0	0	7.29	561.5	149.4	824	7111	15.10	7074	292300	6974000	114500	14730	0	2506	487.4	2036	3044	1369	
640	90570	1873000	51430	6176	0	830.8	0	1.93	336	71.43	2509	5723	22.10	11790	300100	6246000	105000	12920	715.5	3237	2707	3990	3990	3990	3990	
760	114890	2504000	44500	6254	8.49	5306	0	0	123.2	531.3	1451	4749	11310	15140	53940	32440	419200	9442000	183500	21670	649	568.8	727.8	3789	2106	
900	90960	1482000	50660	7156	103.5	2180	193.1	0	0	60.89	54.3	3730	11100	11800	78620	34440	242000	4446000	76660	11660	34.08	842.1	1966	2406	5372	
1590	74410	1317000	42520	6344	0	513	0	0	0	1267	1465	3329	34290	10960	62000	39440	162400	2922000	53640	4483	317.5	0	362.5	2823	1859	
1590	84720	1564000	64490	11730	0	1799	3177	0	0	915.6	20220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1640	69190	1082000	55920	7373	33.33	0	0	0	0	1281	615.1	800	1792	29230	7094	49290	29947	119380	3537000	44620	5850	320.4	9714	496.1	1273	
1690	80280	1202000	51960	5189	0	2371	0	0	0	1811	2061	4113	12120	11740	95210	48100	173700	2906000	46560	5001	0	2021	2427	3078	2155	
1740	79230	1117000	51930	8104	181.6	0	828.8	17590	925	0	2926	544.9	11430	9319	84420	47370	184100	3514000	59600	6217	35.87	1062	0	111	3391	
1810	48490	1010000	22330	6449	94.74	1535	0	0	211.7	0	1375	235	11940	5004	23440	11540	115400	2050000	55500	6899	227.9	0	1926	1370	2409	
1890	67060	1107000	46590	10750	393.3	0	0	0	0	1739	8589	731.5	1413	17740	5969	31230	169400	4194000	68990	8373	911.7	5920	2507	3432	2098	
1950	82490	1307000	62960	13160	0	915.6	20220	0	0	920.2	948.2	3663	25490	4421	45180	26230	214500	3163000	182400	11010	0	586.8	2003	0	4997	
2010	93680	1514000	70690	16110	0	0	0	0	0	925.4	2345	4053	21100	8235	54230	29440	2737000	62311000	124000	14920	418.6	907.2	2066	1330	3409	
2050	110700	1762000	81390	19499	0	646.6	24.45	10340	0	882.2	1770	4047	10410	10410	66210	153100	173000	2910000	54470	6361	208.8	250.3	2563	3302	1646	
2100	120600	1789000	76130	16410	222.6	1471	2559	0	0	1317	3104	31620	6127	51920	25760	368400	6943000	127200	17170	0	815.6	0	0	0	1475	
2140	94100	1496000	72070	14790	0	594.3	0	0	0	1883	5306	28450	9635	51290	279400	1614000	6184000	93570	12940	296.7	0	286.7	0	3206	3770	
2180	81870	1095000	62970	11670	86.4	1222	3807	18030	1686	513.7	2399	2747	20440	5231	42940	19670	131840	2140000	39260	4281	106.7	0	516	1771	3019	
2210	46830	574000	26740	5926	30.72	0	103.8	16100	4460	1079	2363	291	12290	4116	28210	3600	115400	2075000	38940	4519	0	354.3	1253	3580	0	
2270	7530	95500	66560	11570	0	0	0	0	0	0	1783	3514	29140	87.9	53030	20440	117200	2064000	34280	3439	345.5	1645	2048	0	1554	
2310	117600	1075000	82060	17190	0	5780	0	0	630.9	2428	14250	74440	16100	166200	97700	235400	2533000	42540	3887	718.6	0	2462	0	4826	5782	
2350	108900	1653000	145300	24110	226.8	2367	2845	15040	0	5917	14540	109600	24790	207100	101100	303000	4370700	80830	8959	449.5	4004	1228	0	6602	3000	
2390	106000	4287000	92880	11290	1787	9616	9668	762.7	0	2806	43820	47770	649200	184200	121900	706200	1603000	761300	163800	19530	251.6	4939	5430	30000	60500	
2440	516200	2745000	465900	54790	1889.8	5215	6589	27400	0	1637	22320	51210	324100	26420	319700	513400	6563000	114400	15960	990.8	7224	2011	2000	21320	11410	
2480	262500	2493000	240760	34960	0	1346	1003	163.2	1682	3227	21150	141200	32490	244900	142700	405000	5214000	99990	16800	2441	672	2031	24	8477	3406	
2520	174200	1517000	17290	48480	376	0	0	0	0	3000	8200	10190	17230	156700	64430	184900	28424000	50500	4597	0	0	2265	23.1	528.8	1303	
2560	36360	1263000	50870	41300	0	0	0	0	0	965.9	4137	16840	82740	17070	159000	63490	191400	5075900	62500	4572	0	2624	4411	0	3362	
2590	76720	1141000	69810	15250	0	689.2	234.5	0	14370	0	409.8	1151	38930	8893	63480	90570	123500	2094400	48320	4533	259.8	786.2	1144	2822	3091	
2640	182400	1817000	170100	32490	395.1	0	0	0	21150	1578	1481	4364	15040	9440	21710	137300	80720	269100	411600	89740	10470	0	4204	3031	0	
2690	213700	1805900	168900	32710	869.1	0	0	0	2063	2110	611.7	1049	5894	14470	101100	20760	175900	2350000	66960	7273	30.73	0	1484	0	483	
2730	121700	1374000	15560	22890	315.3	0	1552	9147	814.3	1107	2104	1408	2440	15790	25400	142700	405000	5214000	50020	5884	203.8	3005	4007	3062	4444	
2760	118100	1465000	100800	22940	327.6	736.5	0	0	21700	565.6	111.2	2644	1111	36230	12410	94480	43440	912000	1030000	60980	8246	0	585.7	1690	3887	
2800	194400	2133000	164000	24840	0	8180	0	249.4	0	6169	16940	114100	5240	21000	115100	114400	4184000	87340	13050	277.3	0	2458	0	9725	5723	
2830	14500	2025000	106500	15010	254.9	6938	5295	2425	568.2	2480	11910	11000	23490	12680	91310	299700	5206000	103400	13640	0	0	4512	773	9084	4712	
2870	682200	3972000	600500	97300	696.8	802.9	7109	8119	0	1351	25970	58400	523200	81930	576400	337000	637300	7115000	149600	16860	0	4834	1828	10000	20960	
2920	1595000	8027000	144000	221500	3770	15850	10670	10940	133.6	2594	63730	21100	154100	80750	192300	1350000	284000	36550	317.5	8061	7019	41000	6194	2840	2840	
2950	288000	2589000	267000	39560	361.8	5043	0	0	0	1917	9185	13840	16290	37450	211400	145200	419000	6035000	120800	12160	135.4	2700	2917	1131	11220	
3000	772900	2305000	781000	171300	37550	57130	37660	46200	0	34550	246500	280000	307200	591000	650000	5346000	2756000	1344000	123100	3242	15160	36900	20400	281100	129800	
3050	258000	2822000	244300	49140	685.8	8039	38730	10100	2657	1121	7297	13840	118000	29310	160700	317400	5790000	115100	16270	151.9	3647	1229	0	6196	5508	
3090	500200	4391000	459300	88810	1729	7657	0	0	364.5	1248	17090	36610	223400	54890	383400	219160	644100	8497000	17080	21650	305.4	13450	2662	1140	13990	
3130	617400	4637000	536300	119500	2116	4002	0	0	4379	1009	9066	20160	36310	241300	325400	234000	731900	1060000	210500	27690	907.3	7887	2769	11100	13720	
3170	115500	680000	216000	3531	8115	0	4720	0	0	3091	4500	3740	47600	21400	600000	57300	183400	2902000	22100	23930	0	3622	298	298	5140	
3220	191900	9031000	172500	367300	6012	12060	12220	434.4	0	6683	76040	17200	62400	218000	1084400	1005400	2751900	16800000	34940	45760	848.7	13840	10020	60000	69170	
3260	204100	1050000	185100	468500	6562	25490	5567	26000	1425	7224	69080	168000	809200	214000	1300000	620000	3188000	13510000	336900	40080	30.37	2527	7070	61110	65830	
3310	100800	503000	886200	211100	4124	12990	6290	547.7	184.7	4363	28990	37400	94900	600000	37100	473400	874000	220100	26730	167.7	11130	1077	10000	27320	9241	
3370	300700	2391000	269600	61130	429.4	3802	0	5016	1723	0	8310	34840	175400	27060	169400	302400	3111000	75140	9286	0	4079	2374	0	6663	2004	
3410	111700	1981000	69540	21420	25.41	3977	0	0	3478	108.1	1856	6011	31760	9239	52180	27740	319100	1180000	204300	30110	0	0	0	0	3623	
3440	591100	1209000	277800	87570	2265	4710	0	22260	0																	

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 Kavik #1
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Depth	AMU28	AMU29	AMU30	AMU31	AMU32	AMU33	AMU34	AMU35	AMU36	AMU37	AMU38	AMU39	AMU40	AMU41	AMU42	AMU43	AMU44	AMU45	AMU46	AMU47	AMU48	AMU49	AMU50	AMU51	AMU52	AMU53	
4710	563000	5892000	463300	128300	1187	20830	2233	0	0	1452	16880	42250	214400	67500	172400	277000	154000	2612000	684000	86810	3614	15170	3458	8726	12350	5444	
4730	697600	7218000	595500	210100	2746	19900	0	0	3839	3862	12340	33670	297500	57500	373500	205400	1174000	2415000	651200	87760	9134	10270	2748	7856	10380	2899	
4750	340100	3940000	274000	871100	1533	19000	13010	74500	0	339.9	6029	19500	48000	24600	162200	91700	476500	1213000	247200	28400	4341	3045	2682	1321	4851	7310	
4770	318500	5474000	242500	814500	532.1	11190	0	20000	0	483.9	5080	16660	102700	44300	176000	84900	965700	1403000	311500	38590	7337	3978	3922	4726	1720	4874	
4790	512100	7761000	444300	136800	1893	19620	19560	0	0	1150	11310	28330	166900	22440	246600	165900	1495000	3710000	725200	93210	1816	0	0	0	7873	6433	
4810	225900	7072000	146000	51020	986.8	20820	8870	0	0	1692	6449	10440	72200	27000	121000	61900	1491000	3710000	659000	93290	5936	1037	1272	1436	5106	0	
4830	264000	4458000	186900	55400	1207	10620	2690	4618	1552	0	4925	12090	70800	21620	120400	63070	1510000	3710000	403400	57080	582.2	10620	3702	4123	2938	4683	
4850	300900	5675000	187300	61450	616.2	17750	0	0	0	191.3	3321	10510	68340	26460	126700	61900	1197000	3124000	580600	85070	1278	4608	1895	3955	85.87	4568	
4870	335300	4725000	257600	81020	1572	24250	0	0	0	2614	2448	5451	16770	104900	31840	164000	2715000	490000	69830	7819	1927	4687	2481	944.2	6893	0	
4890	272900	3691000	252500	71480	2146	6198	1207	20000	2148	1873	5283	11010	90800	25990	175900	78100	497000	1154000	264300	27360	0	0	1974	4848	2968	4506	
4930	325500	4023000	287800	78620	1262	8347	6406	31999	1514	1723	5114	19320	121400	15400	124300	123100	481900	1647000	435500	47640	211.5	0	1000	6990	3602	2451	
4960	284500	5710000	171900	49280	159.8	1760	1429	0	0	0	4175	10230	74410	5670	126600	69110	1501000	4790000	1047000	11830	419.7	0	2355	5118	2514	4855	
4990	464200	7638000	261800	17690	550.9	32060	0	8740	0	1094	4555	13650	92610	30110	180500	84750	1046000	3054000	1291000	184800	2407	6991	3602	5800	1475	0	
5020	329200	4806000	233300	88150	1733	11150	5134	41700	1061	43.7	4690	11190	79900	21000	126000	72900	1064000	636400	636400	95210	1163	3320	1034	2996	1931	3315	
5070	269600	3215000	174400	54340	89.57	3370	0	0	0	2408	3671	10330	276100	20900	104100	47000	567000	2433000	566500	6800	667.3	4530	3591	4382	7501	3885	
5110	287100	4705000	106300	58910	1374	12830	0	2000	0	3614	1583	3797	10010	53960	21450	103500	52420	1185000	1848000	709100	105200	1097	7987	3098	3285	3483	6340
5140	105100	7853000	104300	125800	2431	16400	15830	11720	29.04	0	4766	42660	98510	107300	151800	136400	715000	2201000	601800	81750	842.3	7925	7037	38640	48790	1780	
5160	197800	4157000	55000	16880	0	4821	1626	0	0	680.7	4550	12380	83160	20900	98000	47800	1311000	2450000	385400	69040	841.9	5231	2873	5676	6007	2790	
5190	81700	1659000	65300	20700	0	1701	9740	1339	108.9	791.8	982.1	2340	1670	4030	14600	157800	4643000	78030	12690	0	0	0	0	1158	1207	0	
5220	148900	3575000	65300	18620	304.9	945.6	3619	0	31.18	322.3	1748	2775	25200	11300	50070	27000	909500	2967000	477100	76200	2253	873.5	1635	1364	2884	156.4	
5250	5200	307100	32580	10490	272.7	2815	395.4	1580	659.7	0	1465	15399	6170	25460	12300	29800	1711000	28730	3546	85.27	1209	104.1	1079	0	1881	0	
5280	25800	2198000	249300	18140	420.5	0	1653	11140	3361	0	3834	6004	45620	11950	68310	50320	359000	808300	10590	143.9	304.9	1160	3467	8491	426.8	0	
5310	79770	1178000	49620	12770	296.4	0	999.1	0	0	1285	1354	2861	22000	9032	40700	18100	157400	5785000	71240	7715	336.6	1479	1388	4561	2514	335.5	
5340	58430	1147000	31120	8122	0	1056	0	0	0	555.3	1287	1563	12500	6530	7430	10420	74100	2420000	42790	3518	0	2358	2231	2262	3024	4562	
5370	54890	1668000	43210	9711	81.4	998.6	10280	0	3822	0	719.8	1928	19510	5800	23000	12000	67400	179000	32000	2299	0	0	0	3137	1597	3346	
5400	39180	1118000	23790	5383	868.8	1081	10150	25010	0	250.1	694.8	717.3	2542	12710	14600	120700	150000	75300	3628	0	0	0	0	955.2	0	0	
5430	33760	5761000	288500	80760	1084	822	8223	0	1312	486	6434	15640	91220	11410	118000	96300	852400	3552000	554200	78480	589.4	426.8	3428	4466	3427	3691	
5460	325900	4978000	237100	5670	613.3	9746	0	22399	1690	1587	5689	17960	114900	11890	218900	113000	634100	2266000	496200	76470	9172	0	4690	5221	3075	5728	
5490	427300	7765000	278300	76350	2131	19020	5929	43240	3173	2110	7093	21620	161700	49200	209500	104100	1200000	3770000	1866000	24140	13040	4734	6164	3919	5154	5450	
5520	21400	4009000	88560	22880	636.2	8749	5209	90920	1862	0	1700	4894	44700	16130	80200	627100	2741000	572300	85950	275.6	0	0	4104	3902	2345	0	
5550	165400	3224000	54170	12830	0	14180	0	10410	31.58	781.3	746.2	2216	11640	11300	7910	18240	107000	2348000	623000	93150	496.9	2909	1159	0	1025	4856	
5580	485200	8155000	415800	100700	1740	36190	0	23670	3537	1424	8395	28200	161000	33400	35300	119400	2421000	1470000	216200	1579	13300	2485	8370	13830	2991	0	
5610	303100	3484000	286900	92050	816.2	2824	0	0	0	860.9	8485	17570	94800	15410	155300	85200	570100	1892000	179700	10220	7678	8968	1317	4878	4274	8452	
5640	310100	4670000	294200	93400	1398	4317	3453	1934	0	527.9	8018	11760	101800	29900	161000	80700	807000	2408000	240800	30510	1658	8664	2639	2703	0	1447	
5670	390300	4204000	349200	95170	971	7447	0	1609	8468	23680	18800	45400	206000	15700	53700	1171000	200700	35270	0	4023	6603	9466	14670	7569	0	0	
5700	503800	5538000	428900	149500	2821	4045	9522	24190	0	1109	8886	20660	118400	31910	182300	104100	1200000	1473000	354500	40520	1232	0	2750	3390	3503	7884	
5730	245900	2437000	225000	81650	591.6	1703	9635	0	0	5709	10580	71920	20160	121200	61240	81700	647000	163800	17730	1656	0	2338	6795	6904	5424	0	
5760	1112000	13210000	1064000	334000	6028	40290	47000	0	47000	3889	1518	22890	51570	27770	92800	49400	383000	1519000	2495000	1070000	124900	1635	6722	3924	10010	10040	6364
5790	284800	4827000	194400	67010	628.6	24800	0	0	1025	2181	6316	10210	21800	11430	55500	115700	858500	1271000	1175	13550	5848	3074	3674	3953	0	0	
5820	128700	1685000	100700	49100	0	2161	0	0	3522	649.8	1407	3476	18100	2630	37030	11110	105300	8019900	124100	17710	100.5	4378	684	4660	3494	4042	
5850	206800	2226000	212500	621500	13740	16190	14120	22000	0	4149	39140	96370	49100	144200	104000	962100	2100000	1500000	595800	49300	1899	9208	6764	27370	2750	13420	
5880	151000	2237000	124400	37110	0	4279	0	0	0	713.8	2877	5122	38710	14900	74700	30400	522100	918000	233600	28780	957.4	2144	2007	5600	5335	0	
5910	76140	1220000	40960	11380	0	7901	0	10410	0	1335	1090	1204	11640	3934	22000	30000	1519000	2099000	163400	16920	0	0	964.1	3132	6236	2880	
5940	168000	3692000	73540	21110	467.1	18890	1667	0	0	1638	3653	23010	13000	38100	19150	151900	2211000	509200	75670	410	3018	826.5	4678	4139	3789	0	
5970	112700	1648000	87940	21000	0	11050	6328	0	0	1373	1825	3092	30930	11410	41070	9000	301800	7892300	173800	27000	1096	3270	2940	124.7	3953		

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Depth	AMU28	AMU29	AMU30	AMU31	AMU32	AMU33	AMU34	AMU35	AMU36	AMU37	AMU38	AMU39	AMU40	AMU41	AMU42	AMU43	AMU44	AMU45	AMU46	AMU47	AMU48	AMU49	AMU50	AMU51	AMU52	AMU53	
7080	99720	1563000	70660	20460	0	0	0	43170	1608	0	9357	1417	13010	5421	2490	10640	127200	5456000	129200	19610	3155	3814	0	2494	4041	2512	
7100	280760	6331000	183100	53080	1530	25790	28840	66700	3667	1148	9681	4007	20130	12960	25320	31750	1022000	39730000	1016000	130700	2190	4428	9871	4220	3668	7238	
7140	138700	3515000	64670	22010	4519	23400	8304	0	0	0	1345	5001	2412	11130	10920	18730	9307	24000	1147000	616500	82500	2043	3222	9015	4319	2819	7323
7170	200100	488700	124500	46730	7428	50250	24140	0	0	0	6728	0	1811	14700	13510	30120	11110	1060000	37000000	927000	129400	2185	0	0	1301	6474	6666
7200	222500	3980000	127600	38820	1983	74440	5107	26100	1668	1359	2176	1060	16200	10000	30000	12940	106000	3152000	862000	122400	2958	4992	0	7807	3763	6265	
7230	351500	7682000	254600	77280	7775	274700	38700	29000	1594	1029	6924	1362	19600	28510	35700	18100	124000	4481000	1583000	179000	4812	10750	2034	1462	2932	2669	
7260	188300	4621000	108200	38960	2867	115300	8622	1214	0	3552	488	6077	14420	16930	11980	11750	86400	3000000	1017000	198500	1517	4558	2071	5119	3614	4471	
7290	67960	2492000	31070	7949	1301	82720	11630	1094	2033	1218	819	1921	5138	5388	4203	555	699400	2878000	637100	84000	7470	0	4093	5164	2281	10698	
7320	246100	6903000	80640	27000	15890	601400	25900	81000	0	1928	7958	2300	10700	29400	30700	14530	153000	1247000	1147000	245800	1675	1113	1023	1673	2045	1090	
7350	89190	2176000	25460	6353	8723	75270	10540	14570	9061	3952	2648	2041	5714	7754	4271	4114	626100	2299000	564800	8320	9476	4038	0	2947	2069	2080	
7380	143600	2667000	115000	37498	1378	40810	10740	23100	0	0	9381	1128	30960	11720	38450	25110	54900	1640000	444700	68730	9431	5943	0	2168	3306	6938	
7410	407500	8955000	239000	70440	21410	584700	41540	72770	0	3684	1350	6887	34900	37400	11750	46910	104000	6112000	2028000	2028000	261900	1201	9301	2435	4952	6918	8823
7440	246300	3875000	178700	54730	2163	38180	13820	64070	1530	1582	9633	4910	41400	21160	74710	37770	672700	2160000	629500	80290	1589	12460	2305	3589	5674	2109	
7470	418800	5650000	404300	112700	3353	39650	23110	23000	0	1805	5058	11700	107400	31170	301900	186200	104900	1892000	645400	1117	5418	4674	1695	5687	12000		
7500	436700	7613000	371800	114800	5337	85700	19170	21110	0	1833	3141	10240	81540	29260	110300	68150	872000	3091000	644300	74490	1769	3453	1395	5347	4962	9677	
7530	65900	1589000	24110	6705	1226	39000	6364	57400	4760	5532	0	0	118	5478	9627	7974	4078	234500	1023000	197400	33200	0	0	3634	4846	8424	
7560	54270	1655000	22220	6126	3894	59900	10940	16700	0	0	0	0	719	5673	3149	1843	4090	248000	1172000	225200	30950	1848	8565	9077	2694	5670	
7590	52240	1273000	19150	4981	9027	56480	9536	18300	0	0	5668	906	4594	634	10139	4758	202000	842000	184500	27450	0	0	0	9148	0	1726	2902
7620	405500	3919000	479400	127200	1073	31970	20960	59200	0	6461	8305	24910	115700	39790	296700	296700	184000	1840000	264200	28130	8183	12240	5831	7510	6607	10240	
7650	98980	1735000	78160	20790	1189	48230	11830	34160	0	1444	3174	3230	10960	30130	18460	231700	985000	220200	23330	7634	4923	3246	4410	4232	1912		
7680	59020	1468000	20330	5506	1116	75120	13940	80780	5443	5186	3298	362	7800	5787	7719	2543	286200	1304000	270000	39450	5745	3572	0	2958	0		
7700	59910	1476000	20210	5477	1283	70270	18380	73600	2139	6758	0	3612	5096	7147	8044	2961	267700	902900	269000	37250	0	2481	0	0	2919	0	
7740	151200	3333000	63360	19040	4949	251400	17650	5710	0	1014	1096	1596	11500	17340	21450	1453	861300	3135000	938700	125100	2901	5524	0	2609	3552	6908	
7770	392200	8310000	195200	58950	48990	1721000	137700	381900	0	10490	4527	7074	21440	36110	41500	25400	202100	6333000	2960000	319200	2428	5363	2052	4460	5924	5766	
7800	181300	4293000	87030	28620	9293	388600	24340	30730	0	2615	0	2161	13700	20480	27750	14320	339700	3390000	892700	132100	1362	6925	0	0	3505	13640	
7830	218800	6674000	27080	27080	25170	882500	37430	144200	1371	4578	0	2917	18410	20840	23870	14530	147000	6310000	1632000	197600	2848	8290	2473	3084	5865	7514	
7860	151200	4300000	50620	15180	11830	493200	8669	47150	2243	2557	1073	4374	8148	18310	16110	7374	494400	4050000	957200	122300	1396	8750	1581	6760	4903	9940	
7890	202400	7317000	89580	28990	14600	589100	25160	47970	0	3036	8618	867	1848	22440	21910	9040	126100	5990000	1371000	170400	2354	5001	1680	8152	3590	5668	
7920	224400	4928000	63100	18190	11610	410000	1241	11600	7509	1286	6427	8717	6381	20730	14790	1065	194000	4581000	1573000	1665600	7610	8509	3950	1193	5939	0	
7950	447600	8755000	429100	119500	20240	443900	58160	103500	0	3763	1862	7341	16640	31860	54810	38900	141000	5290000	2104000	211100	2515	6246	1711	4879	7913	4410	
7980	265500	6314000	186200	47180	14460	594500	30360	81300	2150	3250	1384	7172	4753	21110	66620	49160	116000	4675000	1531000	186700	2117	4854	4710	1065	4540	6509	
8010	205200	5763000	104500	30030	21830	800700	83050	111600	111600	3819	8454	1453	2977	18400	20840	23870	14530	116000	5173000	1643000	209000	3680	6470	3276	3084	5865	
8040	186300	3037000	96390	26640	3152	88250	3067	0	0	1423	2800	514	23960	19120	47970	21440	118300	1844000	456600	63100	4806	6299	1524	4162	3660	6776	
8070	152300	4162000	60530	17880	2647	94850	14240	40700	472	1388	1822	2139	441	11890	2710	2549	44000	1718000	476500	72540	1566	0	0	0	4298		
8100	76310	2805000	18200	3310	4771	0	0	7342	0	1969	0	0	0	446	2751	712	17930	971000	163400	25600	1808	7005	0	2957	2842	4320	
8130	96780	2877000	45140	11340	4353	12760	0	0	0	0	0	0	1078	14130	9403	24520	10090	201400	189100	28300	0	0	0	0	1495	3596	4017
8160	455000	10070000	202900	67710	2350	39440	3603	40720	2789	2497	2866	6512	54930	11890	8110	36790	1063000	287700	40170	1320	20240	6217	3737	1821	8990		
8190	83570	2474000	28230	8392	5805	45490	11870	4105	0	1148	0	0	2411	5343	23690	14930	27600	98400	232000	33020	321	2011	7846	6525	6846	9193	
8220	88570	1988000	38220	8064	3065	14630	0	0	0	7225	1810	475	10710	9194	25010	9470	19480	896400	189200	32770	1318	8225	1668	1018	1110	0	
8250	143000	2814000	132200	9559	524	7771	4874	883	0	1262	2585	3660	5940	16950	102500	42400	27300	873500	162700	25510	0	2597	1192	3237	8408	8923	
8280	213500	7395000	81160	19110	0	0	16810	17000	8397	3185	2547	0	3049	18490	147450	81910	69900	405000	11750								

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Depth	AMU54	AMU55	AMU56	AMU57	AMU58	AMU59	AMU60	AMU61	AMU62	AMU63	AMU64	AMU65	AMU66	AMU67	AMU68	AMU69	AMU70	AMU71	AMU72	AMU73	AMU74	AMU75	AMU76	AMU77	AMU78	AMU79
280	2653	2042	3750	3060	2940	1094	3312	797.5	0	191.8	186.1	477.2	156	679.4	677.7	921.3	833.5	686.9	164.6	32.84	19.5	0	202.1	276.7	643.4	
520	4619	1774	1775	1917	3912	1464	871.9	166.5	0	18.76	103.7	502.1	197.4	271.7	445.3	153.1	872.8	616.8	163.1	3.32	57.74	7.04	346.3	216.8	353	
640	5094	3373	11050	12170	20050	7709	0	1115	116.9	183.9	540.7	0	361.4	214.6	1192	999.4	1746	2291	3188	1008	52.2	41.01	45.5	1147	102.2	1249
760	4100	3320	8160	7011	12540	1609	1920	7368	218.0	634.1	251.2	416.1	738.5	470.7	954.8	946.1	1223	2194	2134	723.7	70.58	102.1	534.7	11030	742.7	1592
900	5545	2339	11840	14750	18760	1966	0	3731	106.7	568.3	427.2	163.3	425.5	842.8	1174	1070	2164	2665	3019	962.6	111.5	165.6	113.5	10363	683.8	1104
1500	2871	2051	7268	8849	12940	1236	0	858.8	112.8	165.2	233.9	407.6	110.9	505	825.4	611.7	1176	1962	2156	844.1	68.11	78.04	53	585.4	482.7	1028
1590	6209	2544	14420	11960	15280	2040	0	1339	195.2	340.9	502	395.2	643.4	851.5	2124	1471	2026	1749	2451	177.2	76.2	243.4	38.67	720.8	1011	1596
1640	861.5	2376	8698	7896	14320	1755	2959	1312	89.01	287.7	254.9	0	317.3	314.5	1294	782.5	1862	1929	2078	802.6	80.44	161.4	88.27	714	630	1315
1690	4582	3895	13890	16500	25120	1791	4399	1263	219.2	323.2	255.2	305.6	411.3	410	1411	1111	4382	1091	2143	1289	119.3	129.7	5156	1043	650.4	950.7
1740	6626	3100	10750	13070	21400	2219	1946	692	135.3	279.5	295.7	0	411.5	409	1177	1094	1932	2530	3206	1650	135.2	98.95	112.8	299.9	696	720.2
1810	2960	1492	3627	3938	5947	690	1355	86.68	99.64	160	147.5	38.04	311.7	414.3	1026	625.1	951.2	1162	1097	257.7	26.76	46.24	199.4	73.17	334.3	587
1890	4991	2132	3333	3303	5093	1500	0	144	12.12	105.7	174.1	476	209.9	419.2	1182	729.7	1117	1274	866.1	301.8	38.69	54.47	86.2	146.8	496.5	568.5
1950	2876	3063	9283	9299	9668	987.2	573.5	303.2	86.83	134.4	247.3	337.9	471.7	1107	1998	1197	2450	2524	1455	599.2	53.9	135.6	97.51	306.1	949.7	730.7
2010	5412	3968	8688	9345	8838	1553	0	329.5	87.62	239	230.5	174	439.8	770.2	1725	1354	2232	2191	1999	623.6	64.74	186.2	15.57	186	822.4	1075
2050	1752	1938	10600	10070	9791	1897	2589	608.2	111.8	207	389.5	0	412.4	446	1546	1415	2644	2520	598	41.59	121.3	5.43	991.7	701	1241	
2100	3694	2487	7053	7636	8594	1779	754.7	430.7	48.25	229.5	326.9	553.3	426.6	395.8	1319	1009	2965	264	1567	623.8	12.91	74.8	63.93	223.5	529.3	701.5
2140	5264	3502	7807	7647	7932	1510	0	317.4	72.06	289.8	390.4	147.8	529.5	519.2	1345	1170	1929	1699	3149	614.1	63.41	78.85	35.35	323.1	97.8	727.3
2180	1360	620.9	6886	6110	6326	1394	0	444.1	24.86	203.8	95.74	131.3	340.4	526.6	1184	1990	1951	1803	1341	589.9	68.96	126.2	166.7	239.4	692	1110
2210	1098	1817	2166	2853	3796	695.3	0	314.5	47.79	85.98	82.28	0	290.5	411	540.1	477.5	4291	615.6	311	132.69	37.08	70.45	143.8	278.7	392.7	0
2270	4036	3387	9311	10900	9178	4531	0	224.4	106.4	156.4	212.8	155.7	137.2	217.9	4129	2472	8145	2174	4959	1386	182.7	146.9	0	588.5	1338	2210
2310	4999	3240	20650	26390	45470	4540	0	1875	140	490	511.6	847.2	396.7	709.7	2989	1620	3613	5715	7029	2349	226.8	130	119.1	1450	869.7	927.8
2350	10040	4834	42750	50940	65670	4837	6298	8490	706.8	1424	1145	761.9	15.15	209.9	4709	4049	3069	10151	9866	3005	195.1	350.3	382.8	198	1876	2235
2390	67830	62540	435800	411700	407900	46310	24270	20650	2512	6115	8368	2907	14730	20010	41000	50400	120400	113900	90630	22300	2111	1486	1199	20300	15100	13800
2440	41790	32690	219800	209000	194200	23190	16310	15240	1856	4338	4201	1365	7173	10259	30390	34050	68400	66230	38610	9730	870.6	1184	950.1	15530	9295	7181
2480	15340	8208	78320	78570	69550	8477	5351	12720	889.9	2615	1768	373.5	2496	1943	16700	10500	22100	15700	13350	4793	367.1	472.1	785.5	15790	4925	4104
2530	7426	4633	21890	30690	26630	4236	0	398.3	148	580	792.7	155.5	137.2	217.9	4129	2472	8145	2174	4959	1386	182.7	146.9	0	588.5	1338	2210
2580	8959	3939	28650	28170	29540	4897	6091	1342	184.7	418.4	325.9	212.3	578	1261	2881	1948	3115	2652	2179	917.2	5.96	205.7	0.74	946.9	879.3	1481
2630	5157	1190	13210	14170	12910	2221	5371	348.7	157.7	302.4	379.9	397.9	467.8	1037	2968	2253	6436	3948	2086	837.5	118.3	48.39	185.1	183.5	700	1412
2640	8959	5941	41060	40760	38920	4940	2434	659.7	257.3	490.2	863.9	105.4	1772	1099	5170	5509	10940	6110	7074	2146	246.3	243.4	93	894.1	2014	1648
2680	5702	4548	49760	51710	44390	6305	1948	846.1	343	591.3	1114	186.7	2153	2419	7171	6979	14360	10270	8383	2782	196.9	357.6	363.7	641.1	2471	2938
2720	5622	3225	39200	27400	27170	3352	2143	816.5	165.3	541.7	404.8	658.2	1291	1791	4187	1798	6795	5961	3921	1462	188.6	115.1	71.26	921.8	2253	2719
2760	6160	3564	19800	21130	23420	2812	914.2	1560	261	402.1	400.9	9.5	865.3	1043	3167	2132	5328	4484	3242	1463	155.6	189.2	0	342.6	1375	1354
2790	13140	8985	52710	61950	74110	6368	3072	21130	1120	2216	2410	660.8	1774	1327	8152	2512	16700	13400	15450	3438	377	707.7	2694	21560	3561	1570
2830	9785	5430	42780	45820	57760	4314	9173	31280	937.5	1460	1569	1534	1443	2615	5441	4342	16760	9192	10080	2527	324.8	1232	2858	4040	5957	13800
2870	31800	21290	132600	149500	167200	24840	12650	19950	1526	3472	3099	1334	2421	5453	15100	16350	39410	39400	30380	10470	1012	898.3	738.7	14470	5659	8346
2920	103600	84660	466900	438400	487100	61710	24560	39000	3795	9623	11700	3994	23300	28290	45290	174400	154600	157400	131300	29700	2536	3245	2170	26390	26470	21490
2950	18450	8741	92550	84000	90510	9302	10390	14130	1093	2588	2660	1656	4407	5211	51190	12940	78400	57740	20540	5266	487.6	1044	1095	14460	8227	10930
3040	37700	31430	167800	211700	222600	33700	14630	43910	15100	38290	58330	23300	40210	18000	19429	36100	14040	13100	12100	6490	1670	15230	1763	6980	34260	18460
3050	11140	7961	41640	41700	56300	8312	6223	19070	531	1823	1522	1137	1130	2773	5939	5779	17490	17530	10540	3467	303	270.1	111.9	4636	3082	4111
3090	20560	11020	94300	106400	120300	16470	9287	52360	1871	3527	2251	836.9	4022	5931	11790	10740	30740	31160	23740	7467	633.8	1246	1071	21790	7099	8616
3130	15540	7438	78480	80940	112400	18650	9186	17180	965.8	2578	2125	1338	5295	3297	8744	6264	20500	16830	7588	663.4	316.9	452.3	4008	3204	4246	
3170	64560	42310	304900	329800	336300	41990	14220	21520	2682	4622	6548	2546	11610	11410	17110	19520	92130	81170	10970	1909	1563	1785	18250	12440	12500	
3220	91010	58920	357100	397300	444500	60950	37410	9909	2339	5471	7988	2744	11990	14910	17210	39910	97410	97410	103900	36910	2891	1545	1106	5444	11880	12720
3260	84590	65810	365500	385500	455200	60900	25740	27700	3263	7310	8445	3197	13210	14110	14930	51400	51400	62550	25930	2410	2316	2265	47790	18590	19100	
3310	31640	17290	133800	148900	184600	30510	11800	8629	1341	2086	2656	1933	5188	4834	14640	17140	30730	32664	32340	10330	803.5	863.9	1098	1818	5894	7707
3370	12080	6308	55430	54790	59760	8329	7859	3233	358	1108	1109	0	1918	2425	6402	1091	12900	12480	10080	2891	253.8	582.7	409.6			

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Depth	AMU54	AMU55	AMU56	AMU57	AMU58	AMU59	AMU60	AMU61	AMU62	AMU63	AMU64	AMU65	AMU66	AMU67	AMU68	AMU69	AMU70	AMU71	AMU72	AMU73	AMU74	AMU75	AMU76	AMU77	AMU78	AMU79		
4710	17680	11680	81950	104900	170000	123900	132300	597.2	10.11	2354	1972	3030	2195	4747	10524	10720	23840	34710	47600	61110	786.4	917.3	1301	3976	6473	7198		
4730	16630	9082	72490	118800	129000	179800	132900	5191	10.77	2025	2294	3225	5195	5740	9964	99010	23420	28320	40320	585.7	981.9	634.7	4030	4102	5855	6374		
4750	6210	3997	39980	33090	52290	5820	4338	302	404.1	972.8	1423	2519	3411	2011	1391	1454	11020	11990	14140	300.4	821.2	476	3779	4692	5514	4692		
4770	4721	3955	36450	42080	60460	5042	5435	412	361.7	580	1172	1114	1947	3601	5993	5762	11290	13490	15670	318.5	576	467.5	2178	2655	2781	2178	2655	
4790	14430	11170	67380	72210	107600	10630	14630	11740	4113	2534	2337	2672	3743	3022	2989	6943	12950	22100	27800	549	401	409.4	427	2919	4185	5035	427	
4810	3674	5069	36540	33740	40900	4243	8348	449	6.21	1122	1402	1199	1644	2794	5918	6412	10710	11750	13940	441	447.2	398.2	359.9	4211	3174	4583	441	
4830	2817	4768	28780	29080	38660	4019	4208	1176	97.7	937.4	643	1472	1111	1754	3770	3993	6962	1184	8189	177.9	394.4	564.4	2456	1566	3861	177.9	394.4	
4850	4536	0	30710	27280	34970	4411	15120	4708	267.1	645.9	1019	2080	1619	1630	4117	3628	4985	8337	7880	143	613.3	191.8	2411	2553	3136	143	613.3	
4870	8290	2230	37670	38880	46260	5478	0	3027	258	665.3	1381	2750	2280	1530	5419	1371	8602	10280	11830	139.9	392.5	484.9	4223	5349	3405	139.9	392.5	
4880	2606	543	29710	25800	44990	5751	3564	1780	455.2	657.7	908.9	1976	1329	1590	1617	4838	6717	8444	11110	239.9	324.8	469.9	1640	2006	2484	239.9	324.8	
4930	11210	4182	51290	56130	81510	6440	0	2107	454.5	981.2	1294	2537	2644	1653	5669	7016	17070	14010	18070	477	305.8	445.3	583.3	2759	3211	477	305.8	
4960	7416	4844	41230	39270	48340	3889	583.1	1075	112.2	688.1	1027	1009	187.8	3959	5581	6175	11890	11370	12200	211	251	214.3	266.1	716.6	1893	1911	211	251
4990	5013	1253	43090	33520	50860	5784	7055	6109	485.7	1398	1077	1978	116.9	2174	6262	6630	9997	11040	10750	277.1	574.4	92.95	2453	2450	4322	277.1	574.4	
5020	3570	4923	22590	26090	34330	3838	0	6390	115.2	787.4	735.7	1687	1184	1251	2918	3352	6344	9291	9099	159.8	416.3	714.2	2741	1622	3194	159.8	416.3	
5070	6238	1868	49960	22600	28220	3527	5624	5429	186.7	879	882.5	1852	1129	1544	2920	2908	5224	6598	11234	149.4	224.9	49.53	2941	1017	2669	149.4	224.9	
5110	4508	949	21650	20220	29440	3034	0	4348	240.4	670.2	484.5	1488	1126	912.2	2565	4938	5175	5426	6915	146	137.8	182	994	1089	2543	146	137.8	
5140	82590	58190	341300	396600	431200	487300	16650	17000	6602	8115	3072	12510	2020	37490	46300	114700	108000	114400	20000	2054	2327	1060	9049	17490	20080	2054	2327	
5160	11300	6903	61380	69770	73190	6832	3435	3435	250.7	559	623.6	708.7	397.1	4137	1723	693	4684	4448	664	79.81	74.8	301.5	991.8	1254	2301	79.81	74.8	
5190	176.7	3184	8204	10260	14920	1156	0	815.9	148.81	199.1	360.2	1117	536	545.7	1029	779.9	1930	2152	4289	4.74	47.48	118.8	185.8	160.7	588.5	4.74	47.48	
5220	2851	3827	9115	11530	21470	1561	0	1167	1.91	380	483.3	976.3	585.7	643.1	1962	323	3207	4129	4214	86.84	166.4	293.7	817.9	1152	1393	86.84	166.4	
5250	795.2	2231	8591	5578	7410	373.5	0	344.3	22.7	30.34	394.8	0	0	9166	6132	1849	1038	1121	1363	2099	32.25	141.7	210.8	0	1306	32.25	141.7	
5280	2887	4168	22840	24820	34580	3121	3019	1234	81.4	983.1	1305	889.2	2110	2142	5872	6117	12160	15340	19780	392.1	609.1	943.1	1440	2475	3194	392.1	609.1	
5310	1737	0	6535	9550	12190	978.3	0	941.3	101.1	240.3	394.4	854.5	407.7	1159	1521	674.6	1179	1979	3683	400.1	42.3	146.4	0	340.9	1292	741.3	400.1	42.3
5340	3978	2884	7083	6337	6299	365.7	0	419.2	96.89	178.2	506.8	599.7	549.3	282.4	1246	1406	1758	1594	1695	5148	129.3	76.05	757.6	429.1	917.5	129.3	76.05	
5370	2553	3577	5922	5326	10340	274.4	0	1162.2	104.54	35.41	265.4	220.2	142.8	3261.0	1942	476.8	1401	1132	1004	1949	45.84	49.60	3.6	457.1	532.3	45.84	49.60	
5400	0	846.6	3527	2502	2467	587.1	0	2011	215.1	224	189.8	0	0	8546	9445	1423	1163	598.4	721.9	1116	181.1	12.45	154.1	199.9	827.2	1116	181.1	
5430	4194	6383	31140	38260	45750	8868	0	6750	348.4	1255	1566	869.7	1839	1889	1594	3989	7427	7481	8357	2763	431.7	411.5	568.4	2632	2475	2763	431.7	
5460	7471	5854	41510	49170	90550	7741	6968	8767	595.4	1486	1158	1182	1635	2821	4756	5726	9163	13440	20650	3802	412.4	249.2	554.9	6467	3152	554.9	6467	
5490	7944	7034	49700	59200	70485	9339	9339	1525.0	177.2	2212	4140	1698	3077	6932	7260	7603	14420	15380	22410	4174	694.4	811.1	409	679	3634	694.4	811.1	
5520	6788	7300	24530	28380	25280	1791	0	8779	359.1	823.4	679.6	1197	1165	3241	4070	4110	6391	5647	5383	1245	171.1	389.1	152.7	4289	2356	4070	4110	
5550	847.2	5543	11000	10800	10240	838.4	1071	8400	167.9	627.3	484.2	299.9	795	1398	1834	1733	2984	2813	2542	285.3	0	267.7	125.9	1162	2302	2734	0	267.7
5580	19670	14627	127400	114700	136200	12990	11300	11300	410.4	1134	2295	2212	5215	4928	1074	12330	21290	35560	7671	8315	1267	1093	4665	8409	11510	8315	1267	
5610	7108	5662	40070	37630	44020	7376	6119	786.7	414.2	610.8	794.2	1389	1544	2778	5155	5756	9648	19930	11340	2785	175.3	322.7	258.9	1144	2431	2785	175.3	
5640	5189	5974	43260	42220	51340	7137	9759	2481	372.3	1010	1708	1484	2164	2773	5007	5401	12140	14840	3098	304.5	316.7	372.7	2415	3133	4203	304.5	316.7	
5670	21520	18640	119400	105200	108100	10130	10300	2577	481.3	1930	2602	2565	5741	6088	29930	15630	40600	33780	30490	5396	517.8	643	851.6	5109	6035	643	851.6	
5700	2197	784.1	36250	39900	51480	4636	0	1072	181	1161	1765	1445	2711	3443	4925	6193	10450	15150	13750	2511	328.5	278.2	426.8	2763	2709	426.8	2763	
5730	5177	7101	37160	34780	35110	3599	0	874.4	219.7	751.3	973.8	1292	1171	2808	2946	3267	4834	4700	11290	1884	282.9	438.7	296.4	1240	2594	282.9	438.7	
5760	21400	17180	124000	136300	199300	20190	11300	11300	410.4	1134	2295	2212	5215	4928	1074	12330	21290	35560	7671	8315	1267	1093	4665	8409	11510	8315	1267	
5790	3240	5988	20040	20160	24220	3888	5305	4555	219.7	714.7	729.8	1315	1579	1386	3237	3544	6669	8180	1472	159.3	94.31	543	2217	1917	4036	159.3	94.31	
5820	4345	4561	3358	3400	3731	1060	0	572.2	107.7	1042.9	250	394.3	347.1	541	868.8	874	1310	1524	1658	285.7	18.9	376.9	55.63	791.5	907	285.7	18.9	

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Depth	AMU54	AMU55	AMU56	AMU57	AMU58	AMU59	AMU60	AMU61	AMU62	AMU63	AMU64	AMU65	AMU66	AMU67	AMU68	AMU69	AMU70	AMU71	AMU72	AMU73	AMU74	AMU75	AMU76	AMU77	AMU78	AMU79	
7080	2340	5781	3387	3022	4104	1243	386.5	32.1	72.62	199.7	185.8	22.14	0	57.94	9.13	99.8	137	1149	1771	309.9	31.83	28.86	34.42	661.7	47.06	1140	
7100	7114	4985	8529	9999	13970	1158	4164	31709	496.7	571	617.1	684	113.8	1226	4389	1417	3371	449	4164	1701	1379.6	240.1	0	5323	1156	1851	
7140	3389	3723	2291	2719	3251	1130	1060	17699	931	1102	173.3	29.09	1.125	529.5	457.8	740.3	1000	1970	1740	34.2	36.04	298.6	59.05	1629	543.4	663.7	
7170	7664	5448	5522	2632	2485	933.8	753.0	11870	395.2	544.8	397.7	410.9	176.3	833.2	1191	1341	1202	2381	2124	34.5	27.64	236	177.2	4067	1043	1363	
7200	4921	5184	5473	3438	4499	613	4031	10510	201.8	460	317.4	4893	4.292	1173	1340	1541	2069	2138	2409	415.0	11.36	31.57	81.86	4499	811.4	1203	
7230	6801	2978	6164	4589	7224	1037	1592	2244	557.4	1552	2087	14570	707	157.3	1126	1265	2126	2548	1976	496.7	49.57	243	141	8027	1548	4127	
7260	6547	4457	3442	4322	3354	1226	905	15400	313.9	728.4	1184	9499	578.6	1269	1067	944.9	686.7	645.7	124	2145	2166	374.7	41.21	264.8	19.75	3087	
7290	5302	5815	4671	368.3	812.2	0	0	623	113.77	371.9	393.1	4273	182.1	944.9	1045	1423	1629	1193	276.4	4.53	15.83	289.8	4848	1800	0		
7320	2081	3966	597.4	1157	2674	1029	6151	20399	492.6	1501	2026	19469	97.1	227.1	262.2	271.1	256.8	619.5	1113	458.3	78.66	13.14	113.7	0	797.7	586	
7350	3680	3353	3863	1857	2689	0	1077	8949	122.5	663.9	311.2	3572	254.2	271.2	0	271.1	256.8	619.5	1113	458.3	78.66	13.14	113.7	0	797.7	586	
7380	5440	4873	3864	7749	8210	1019	0	767.7	254	879.5	507.9	1322	1118	719.3	1330	1259	2229	2223	2613	715.2	32.22	27.4	144.8	1559	816.7	1604	
7410	2201	5012	10910	9847	16140	1344	0	1970.7	492.5	1587	2145	19540	1319	295	1065	3265	3261	3261	3261	1066	156.6	318.8	71.4	1161	3151	1740	
7440	5575	3966	4910	8555	13890	3443	1019	17388	313.1	1221	470.8	3567	797.1	796	1226	1451	2340	2236	2710	891.4	35.9	282.1	55.6	3336	1622	841	
7470	9064	7877	24970	36380	36770	7809	235.1	19758	811.7	1194	1153	7076	1348	2433	4174	5446	11570	7153	570	3122	494	308.9	609.9	3481	1074	2059	
7500	7688	5452	13390	16570	21430	3138	0	11794	235.3	936.5	1533	9441	301	1970	2775	2711	380.8	3085	1744	292	548.2	396.5	9974	2309	777.7		
7530	6338	5449	2537	2112	2296	436.4	0	9109	138.7	309.9	742.9	4194	193.9	536.1	2070	780.9	396.8	652.7	361.2	163.8	41.3	162.3	28.22	1099	427.7	890.9	
7560	0	2401	1784	1230	674.2	306.1	478.4	6909	92.3	296.5	768.2	4883	193.5	511.9	88.2	511.1	651.6	637.2	780.6	207.4	14.17	65.32	264.5	1583	780.5	276.0	
7590	1609	6497	1046	2198	0	1150	0	6246	204	220.9	358.6	3581	138	589.5	310.3	261.5	299.4	388.9	214	69.76	12.39	45.21	61.53	687.5	292.1	1001	
7620	10730	11200	40310	45000	47850	10710	0	6337	339.7	887.4	1465	8449	136	2818	981.2	1394	1995	11620	7417	6848	1907	350.8	198.4	238.3	3127	2912	1001
7650	6361	9743	7134	3829	2708	738.1	1146	743.1	176.1	441	1153	7076	1348	2433	4174	5446	11570	7153	570	3122	494	308.9	609.9	3481	1074	2059	
7680	353.3	537.8	40.53	2328	4644	669.1	0	8942	416.4	443.8	1043	6340	220.8	1426	1689	165.5	515.9	249.7	309.1	92.43	32.76	169.1	82.82	524.5	686.8	1001	
7700	2.73	0	3996	4450	3124	563.4	0	7144	148.4	470.2	587.5	6281	0	644.8	1634	378.1	392	420.1	648.5	154.8	21.75	53.12	132.8	369	460.9	738.1	
7740	4608	5882	2726	2994	2618	1079	4337	742.7	316.5	440.4	1158	11140	157.4	5718	4111	927.3	1095	1840	1448	296.4	40.06	106.8	158.8	1589	673.6	1101	
7770	0	5570	6516	7852	13720	852.2	4626	1893.8	1158	1587	6836	59940	2304	5964	1849	2432	4067	4474	870.9	71.76	302.2	820.3	820.3	2276	2276	1001	
7800	7610	7386	5636	3969	5364	1505	992.5	7341	371	479.1	1857	13089	527.8	117.3	173.1	173.1	2072	2971	2134	346.7	14.93	161.5	309.5	2339	569.3	1001	
7830	5181	4237	5523	3047	4511	1263	1152	11710	255.9	439.7	3646	27494	1001	110	1252	681.1	2213	1426	1526	409.1	27.12	110	318.5	4136	1094	1001	
7860	5364	3303	6949	2539	4148	1482	202.3	6114	108.5	611.1	2269	12389	610.9	1622	375	861.1	1271	1272	1128	181.4	12.21	75.22	165.3	1865	319.5	1001	
7890	2246	4159	6569	5645	5970	814.6	4111	19549	398.2	2011	4497	26270	1593	2712	1311	1553	3954	3381	3617	546.4	82.22	138.2	117.9	5839	1006	1001	
7920	0	2667	1572	1070	800	3924	14160	1713	1444.8	1788	15410	341.5	1746	710.9	734.2	1014	1014	1014	1014	308.4	50.13	22.22	78.27	2799	1048	1001	
7950	4283	5573	8962	5970	7280	1338	0	17909	448.6	1847	3477	33840	5039	2940	1954	2213	4211	4648	3397	774.1	43.16	145.7	733.7	16210	1507	1001	
7980	7281	4236	8735	10870	13810	4786	1263	8120	1237	894.4	1887	2384	884.8	4342	1138	1913	2532	3096	2945	1190	130.5	256.3	157.8	6256	1572	1001	
8010	0	2132	5938	3520	6341	655.2	13550	7341	656.3	921.4	2638	28610	1523	3074	1247	1306	2982	2402	1241	804.1	83.04	93.86	114.3	2292	1685	1001	
8040	4803	9729	4808	6247	4276	732.6	4206	7622	1897	587.5	591.5	8974	464	479	711.1	851	1271	1272	1128	181.4	12.21	75.22	165.3	1865	319.5	1001	
8070	8041	9023	1158	2512	3108	1480	0	11570	197.3	795.7	306.8	6947	291.9	261	1088.4	1008	1116	782.7	792.8	291.9	44.5	32.62	43.32	1954	693.1	44.5	
8100	3271	1726	3139	134.3	0	400.6	0	6236	133.7	979.4	327.4	2840	139.4	674.4	425	526.5	455.4	548.4	362.4	71.15	1.22	0	0	3711	178.9	1001	
8130	5159	3691	4398	1530	2980	374.2	0	5044	62.66	537.6	142.4	2840	139.4	674.4	425	526.5	455.4	548.4	362.4	71.15	1.22	0	0	3711	178.9	1001	
8160	9500	7428	5438	8718	15280	2659	0	12430	283.9	1035	732	5642	5559	7738	1594	1390	2079	2263	3247	1162	113.6	198.5	0	4144	1623	1001	
8190	5221	8644	4445	2282	2241	1885	0	1257	87.57	541.9	4.88	6046	137.2	96.82	437.4	467.2	660.7	660.7	660.7	660.7	155.7	28.85	32.46	0	1515	258.3	1001
8220	1319	0	0	2020	5668	1118	7275	977	139	114.8	0	2315	201.6	776.1	474.2	481	1801	641.3	892.5	791.1	8.11	0	186	1522	339.6	1001	
8250	8231	4102	11990	8338	16240	5045	6763	3129	114.9	300.3	208.8	1181	3812	691.8	115	1690	1619	2419	1755	1338	113.7	101.6	0	1265	784.8	1001	
8280	6934	3029	11130	12590	20210	1849	1208	3628	34.44	235.5	249.5	1540	400.5	513	1541	1411	1670	1670	1670	456.3	13.9	120.7	101.9	4.65	637.4	1001	
8310	1733	1344	4704	1237	1417	869.6	3247	2305	67.9	58.6	0	1487	207.4	117.5	24.1	429.8	549.7	591.7	490	143.4	17.6	29.74	165.1	274	0	1001	
8340	9334	131.9	0	1109	195.1	0	3076	4071	81.99	263.3	489.2	5162	188	294.4	437.5	175.5	891.5	1057	843.1	238.4	16.28	113.3	111	1853	336.5	1001	
8370	5677	2221	1260	1650	4364	0	0	1398	0	133.9	447.3	810.2	81.28	281.2	651.2	391.3	454	769.8	760	194.4	8.91	73.8	91.83	842.1	317.1	1001	
8400	6577	10890	8849	4559	4321	1399	0	3089	120.1	248.7	188.8	1541	179.2	125.2	274.4	361.7	530.2	1018	781.3	437.2	86.12	6.56	4.06	874.3	629.3	1001	
8430	8704	4262	4504	1568	322.8	366.4	604.8	4848	57.33	86.84	101.9	1345	47.29	1108	32	25.4	676.2	896.1	741.8	240.9	0	99.41	56.95	1475	440	1001	
8460	5448	3911	5327	1821	2094	1328	0	4375	62.39	172.4	112.9	161.2	1192	133.6	340.7	430.8	611.9										

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Depth	AMU80	AMU81	AMU82	AMU83	AMU84	AMU85	AMU86	AMU87	AMU88	AMU89	AMU90	AMU91	AMU92	AMU93	AMU94	AMU95	AMU96	AMU97	AMU98	AMU99	AMU100	AMU101	AMU102	AMU103	AMU104	AMU105			
4710	2995	2318	5793	8478	16300	11920	4401	321.9	1289	899.5	763.3	17790	6075	1442	26.48	2971	4688	7037	5569	4101	3120	152.4	591	0	0	0			
4730	2751	3621	6283	9345	15940	11300	12000	352.9	275.5	324.9	298.8	5674	13140	3575	566.6	2703	3005	6700	7427	6291	3438	1705	147.8	0	0	0			
4750	1001	1664	3281	3919	6699	5325	6700	174	134.6	340.2	508.9	2014	10560	9740	771.4	680.8	2630	2948	5112	2511	1531	1240	40.51	333.3	233.7	1020			
4770	1812	1850	3527	4514	7476	4960	2422	14.4	155	0	743.6	1896	7626	1234	295.5	813	1815	2875	4229	2143	1694	880.8	8.86	336.6	134.3	0			
4790	2259	1720	6239	8131	13710	10330	11600	2570	177.8	469.6	547.5	1767	10500	4000	817.9	1416	2635	3747	7313	4059	2217	1492	150	81.68	1326	36.35			
4810	2552	1409	4863	5550	7552	6179	7479	1796	184.5	0	113.3	1840	10240	2703	727.8	1294	1624	3338	3967	2356	1061	623.3	45.99	0	0	273.1			
4830	1386	971.2	2649	3332	5209	4393	2427	1134	27.03	109.1	428.4	770.1	4918	1529	348	577.4	429	2484	3057	1401	789.1	222.7	2.18	0	0	359.8			
4850	1208	1395	2739	3985	5704	3709	3725	10.8	50.06	98.77	398.7	673.4	8905	1726	179.4	0	1192	2706	2353	1527	1013	562.7	122.5	277.7	183.4	0			
4870	1476	1532	3560	5266	7907	5630	8470	1167	106.4	290	284.1	903.0	4742	1471	579	1096	1148	2517	3604	2356	1373	701.1	7179	341.6	278.8	1417			
4880	1306	1148	1947	3721	4638	3607	4047	6841	44.25	1812	288.2	1014	4678	1221	404.1	248.2	1150	1695	3207	1547	1250	583.1	16.26	0	0	37.74			
4900	1741	998.1	3724	4961	7469	6194	7879	2103	128	540.5	20.96	777.4	6415	7659	563.6	352	1993	2919	4911	2160	1530	1108	7879	0	0	0			
4920	1477	1371	3972	5204	9728	7496	5740	119	80.99	92.54	153.2	0	5782	740	227.5	931.8	247.3	3025	3926	3208	1021	626.1	75.17	0	0	419.0			
4930	1866	1370	4088	7514	7553	5848	5932	1290	80.9	0	261	1100	6215	784	1142	1043	2293	3335	3699	2618	1215	707.1	40.1	104.3	150	571.7			
4950	936.7	1121	2084	3000	4386	3137	1358	923.1	44.86	0	107	0	4471	1285	634.7	354.4	1396	3072	2229	1414	541.3	335.2	0	0	0	0			
4970	985.4	1626	1401	2502	3594	3106	2511	969	29.42	555.2	0	742	406.3	1191	1304.0	516.1	1249	2006	1215	259.9	255.4	17.13	343.9	30.07	0	0			
5110	648.6	913.9	830.1	1843	3548	2459	2412	840.8	18.69	0	428.3	129.1	1386	1621	246.9	0	997.7	1779	1409	1040	488.6	213.9	36.16	0	0	419.6			
5140	9932	7362	20440	36420	64330	39420	46170	15170	1106	915.4	2308	5122	29410	9041	224.3	4393	8421	12110	20200	19120	8228	6640	468.4	66.01	736.5	490.4			
5160	585.2	1613	1384	1431	2943	2593	1985	548	38.53	0	276	1760	2495	142.7	719.4	1146	1043	1334	811.2	626	263.9	0	311.1	0	0	81.41			
5190	287.3	444.2	914.4	1097	1580	1034	1091	241.7	0	0	108.7	58.5	3440	67.4	361.7	0	0	1070	927	577	0	189.7	11.46	0	0	369.8			
5220	603.5	723.7	105.2	503.8	1278	1385	1103	317.5	23.45	1414	0	126.1	1549	925.9	94.3	674	0	0	0	0	0	0	0	0	0	0	940.3		
5250	302.7	14.14	305.7	1084	1192	829.8	642.7	91.25	6.15	0	30.55	1067	1480	272.5	51.56	0	890.4	0	470.1	196	1099	26.32	0	0	0	0	3040		
5280	1519	1170	1944	4249	5658	7816	6053	2667	198.9	0	245	1890	1896	1237	981.8	985.5	1247	1947	2324	1742	1105	931	67.54	0	0	817.8	0		
5310	52.12	392.3	1415	752.2	1145	819.7	1139	205.7	20.62	0	134.8	0	1433	71.32	154.6	192.1	469.2	397.8	727.8	342.9	182	116.5	8.75	0	0	0	0		
5340	429	550.3	646.5	570.8	985.3	1023	491.2	181.7	0	0	99.55	227	1647	474	174.8	0	211.5	1062	459.3	352.2	48.38	16.89	64.9	756.1	185.0	0	689.9		
5370	529.4	80.53	314.3	632.9	453.5	902.7	614.5	107.3	0	0	167	44.4	1845	949.1	149.8	0	0	0	0	0	0	0	0	0	0	0	0	596.6	
5400	344.4	14.57	574.7	715	671.7	375.7	476.7	110.4	0	0	111.4	68.4	597.7	1171	715.2	216.7	0	3181	206.8	498.8	136.9	15.53	24.25	86.2	210.5	271.4	0		
5430	942.5	1180	2362	3928	4607	4783	4367	68.32	0	0	545.5	258.8	1812	5379	2106	725.1	171	1592	1546	1456	1844	687.9	393.5	3.82	210.5	0	0		
5460	1505	312.8	2364	3528	6099	5006	1407	2726	111.4	0	150.1	4901	1374	286.7	618.1	1213	1444	2875	1637	1060	849.3	76.11	325.4	420.5	9.60	0	0		
5490	2301	1021	3916	5722	11360	7536	1097	2004	129.8	0	207.2	2219	10590	2597	192.8	1038	1700	2776	3666	2609	1325	1691	23.65	0	0	0	211.5		
5520	1224	1629	2211	3162	4596	4681	2139	457.3	48.76	0	139.6	68.1	1460	946	549.5	245.5	583.3	144	1129	1406	415	288.8	26.78	0	0	0	3070		
5550	600.9	644.7	1585	1583	1698	1634	53.3	271.6	6.43	0	149.7	231.1	1031	725.3	0	113.8	119	1574	1444	547.3	288.8	66.46	8.48	0	0	0	640.6		
5580	4679	3403	1120	20430	32740	26400	16400	436	0	0	378.8	65.2	15170	1697	1381	6645	9388	17430	9803	3357	3249	254.2	706.2	651	0	0	0		
5610	1684	1301	3322	4818	9521	5900	4449	1574	115	0	2.22	15.7	6756	2375	848.5	589.6	1540	1400	3392	2651	784.7	810.5	35.45	0	0	0	290.9	346.1	
5640	1501	1215	3041	5041	10300	7916	5519	1891	231.6	2637	564.9	1597	8399	2278	2115	238.4	1639	3703	3392	3647	1081	872.4	115.5	0	0	0	1235		
5670	5333	7140	13870	23570	35140	20810	16390	26.9	269	693.8	435.5	2646	17640	14673	1620	2932	6746	13600	17560	10200	4026	2295	221.8	519.2	812.1	1284	0		
5700	1373	1257	3548	4891	8953	7887	7488	1458	70.11	0	74.29	881.2	8625	1623	6	184.8	496.7	470.8	1054	825.7	323.5	391.2	5.72	0	0	0	641.9		
5730	1697	1370	3925	6547	8375	6161	4911	1259	77.47	2193	3247	712.2	4200	1198	410.8	1232	1043	1292	1430	2427	1044	628.4	34.58	0	0	0	0		
5760	4578	5488	8842	18660	30220	30290	22740	5418	361	240.3	406.3	5797	29060	8103	1737	1769	5959	9441	19120	10080	5946	3396	517.1	0	0	0	185.7	0	
5790	1092	820.2	2120	3288	3562	2973	3346	894.0	40.29	0	0	1099	6773	1254	730	0	784.6	1911	1870	1111	482.9	294.8	63.78	0	0	0	21.75	0	
5820	278.8	40.12	833.2	771.8	1397	748.6	734.1	270.7	25.56	0	0	8.4	2814	594	390.56	0	436.7	576	297.8	256.7	195.5	17.79	211.7	200.8	200.8	0	0	0	
5850	9399	10110	29850	64160	99220	66650	59720	1470	1079	296.9	903.5	186.2	10500	12400	3177	6703	13920	29900	60020	29770	10230	8310	912.2	40.89	0	0	1241		
5880	1373	584.6	1109	1261	2371	1975	2943	520.7	22.07	0	0	237.5	3936	1623	6	184.8	496.7	470.8	1054	825.7	323.5	391.2	5.72	0	0	0	641.9		
5910	417.9	0	702.3	646.6	773.9	710.2	421	114.4	17.82	0	0	5.12	2016	771.7	0	56.81	595.4	154.7	849.6	256.8	48.54	75.9	0	0	0	0	279.9	183	306.3
5940	653.1	0	675.1	1246	1227	1196	1290	167.7	0	0	0	174.7	196.2	209	616.1	113.1	140.3	0	0	0	0	0	0	0	0	0	0	159.1	0
5970	635.2	577.6	825.5	1896	2058	1883	1749	672	9.43	0	0	1164	2444	1042	187	4981	815.3	1401.7	1053	579.3	425.1	290.3	13.67	0	0	0	0	125.5	173.2
6000	13950	12270	24120	60100	113600	74360	88400	2190	1895	1304	1610	19490	48760	14340	35.4	5969	27850	53810	30630	12770	14820	1343	267.6	12.95	40.31	0	0	0	0
6030	771.8	678.8	1611	1814	3324	3219	2752	511.7	15.24	106	180.5	976.4	2547	2488	212.2	543.3	621.1	1574	1825	1915	669.4	490.2	63.94	284.6	216.7	0	0	0</	

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Depth	AMU106	AMU107	AMU108	AMU109	AMU110	AMU111	AMU112	AMU113	AMU114	AMU115	AMU116	AMU117	AMU118	AMU119	AMU120	AMU121	AMU122	AMU123	AMU124	AMU125	AMU126	AMU127	AMU128	AMU129	AMU130	AMU131			
286	0	0	78.24	0	23.24	0	83.31	0	11.39	127.2	49.37	0	0	1.72	1.64	0	0	0	0	0	0	0	0	0	0	0	0		
520	107.7	0	116.2	14.87	88.03	0	0	0	0	24.10	23.87	16.39	0	0	17.63	1.45	0	0	0	0	0	0	0	0	0	0	0		
640	1109.0	0	7.96	0	13.23	165.7	157.2	165.9	0	82.8	9.75	6.94	107	757.7	19.77	10.97	20.03	29.18	29.14	11.47	23.05	22.73	20.25	66.82	124.8	78.67			
760	75.42	46.21	0	0	124.8	0	0	281.1	107.7	114.6	63.68	0	0	0	2.37	2.32	12.19	11.14	23.24	25.79	28.33	44.92	72.71	90.47	256.6	352.6			
900	480.1	0	65.38	219.7	136.9	106.8	267.2	406.2	410.9	110.1	63.23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
1500	765.4	135.6	0	0	212.3	5.31	0	107.2	747.7	65.16	0	17.35	5.66	0	0	21.14	9.96	16.78	26.74	22.39	11.66	27.98	31.55	42.76	26.31	27.9	0		
1550	781.3	0	0	0	68.39	59.93	291.6	155.9	69.02	86.39	53.36	0	1.45	0	23.31	25.09	23.76	27.53	25.34	24.98	46.95	34.34	10.22	39.86	122	0			
1640	268.4	47.81	16.14	171.5	0	0	241.1	110.4	0	62.65	0	0.32	0	0	99.5	7.62	11.17	12.65	12.71	15.81	32.69	37.9	18.12	16.67	37.25	41.45	31.34		
1690	52.89	312.9	55.25	0	27.55	37.2	144.7	70.2	180	51.19	46.02	0	0	0	10.32	38.96	26.43	11.59	21.05	26.85	0	19.01	47.31	55.79	65.1	59.2			
1740	512.5	96.62	14.47	83.2	73.39	125.9	446.4	117.2	0	74.91	5.85	0	0	0	117.2	1.62	15.51	2.47	18.17	39.92	35.65	21.76	29.67	14.3	20.52	22.06	93.04		
1810	49.2	170	52.21	25.73	55.16	212.9	164.1	10.11	44.41	9.46	0	2.53	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
1890	154.6	80.99	0	0	84.58	0	65.21	80.9	59.12	127.1	14.36	0	9.75	2.63	0	2.13	1.26	16.41	5.89	0	29.73	20.75	31.9	7.16	5.54	17.09	12.9		
1950	18.87	65.74	14.34	7.15	89.96	179	106.2	29.24	11.58	97.43	0	0	0	18.01	16.24	13.87	40.39	16.84	47	39.62	40.51	23.14	33.8	28.11	60.53	15.57			
2010	211.6	100.3	38.39	263.2	97.25	173.4	161.6	288.3	15.9	0	1.87	0	0	0	146.2	7.24	12.33	15.82	8.55	25.65	41.89	26.89	25.13	9.9	0	0			
2050	338.7	0	56.81	126.8	75.94	216.9	52.8	124.2	87.07	88.39	0	0	0	0	403.2	10.92	8.24	16.22	21.88	24.43	27.85	27.29	29.47	19.06	0	10.37	69.89		
2100	121.7	361.2	0	676.2	0	64.44	216.2	5.5	52.94	24.23	47.1	0	0	0	96.1	0.75	4.13	16.16	14	4.05	23.33	15.72	21.18	7.25	15.71	35.84	26.38		
2140	217.2	38.36	62.77	0	133.3	82.75	71.62	6.51	12.42	14.53	45.93	2.29	1.23	70.7	5.45	8.91	6.82	12.26	17.68	21.73	13.12	33.37	7.13	8.37	37.45	0			
2180	0	61.48	0	0	0	0	14.36	46.34	48.79	0	0	10.56	0	0	614	11.5	5.46	11.32	7.49	16.6	11.84	7.97	20.7	0.06	30.74	0	29.94		
2210	327.4	0	54.6	22.63	54.5	27.58	7.99	40.24	45.18	29.96	2.89	0	0	0	11.32	4.6	13.49	9.33	4.15	7.35	6.79	5.22	0.7	40.89	0	0			
2270	0	147.4	0	49.3	47.16	47.16	19.4	0	47.66	0	0	0	0	0	300.4	0	4.95	10.64	15.74	25.22	23.76	11.12	31.83	0	10.19	0			
2310	0	250.3	217.7	397.8	92.89	2.8	211.4	114.7	183.3	145.4	38.95	0	0	0	444.4	21.63	27.82	47.22	41.61	42.12	55.11	5.9	60.61	39.38	41.17	82.36	96.84		
2350	270.1	160	217.7	88.68	93.99	493.8	70.9	37.4	258.7	24.07	12.21	26.9	47.3	21.9	20.96	11.23	49.82	82.88	107.1	91.3	64.84	57.48	33.85	87.03	15.78	0			
2390	2027	1736	63.8	1195	506.2	6.23	159.0	354	335.0	4473	490.6	7.45	0.91	23.9	4.0	98.2	2344	2741	3977	4495	4761	46.71	3850	2697	1728	631.6			
2440	811.8	697.6	31.9	319.9	1980	440.7	634.3	519.7	1215	1664	258.7	0	1.91	249.6	213.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5		
2480	779.3	640.6	0	434.8	669	849.7	152.1	1736	459.3	327.7	24.87	0	0	0	1175	79.87	106.5	29.73	20.73	316.2	407.6	39.7	342.1	292	252.5	276.9	77.26		
2520	173.9	304.6	6.146	0	198.9	335.4	101.8	451.6	173.5	142.5	0	0	0	0	2.08	1.20	481.5	39.41	19.97	60.63	77.71	136.4	117	125.5	15.9	93.08	100.6	51.14	0
2550	490.2	353.3	134.7	161.2	236.5	291.8	307.3	276.4	124.2	28.88	2.47	0.77	2.21	0	2.94	2.42	249.4	86.5	53.13	55.9	53.92	52.82	25.25	24.15	4.16	3.93	0		
2590	0	248.8	0	132.5	131.4	210.4	0	30.4	213.9	77.9	0	0	0	0	0.59	0	17.49	32.95	31.57	52.41	49.35	86.32	40.53	30.25	0	19.39			
2640	508.5	256.1	74.45	0	411.8	94	199.8	151.8	167	163.5	0	0	0	0	62.71	19.19	39.48	37.27	87.59	115	115	165	73.32	19.09	29.29	78.22	0	55.11	
2680	199.1	39.06	114.9	373.7	371.3	803.1	710.5	891.6	286.8	274.2	50.65	0	0	0	138.9	21.04	42.97	99.25	122.1	156.2	182.2	164	141.6	102.9	99.83	84.76	46.61		
2720	169.5	254.8	140.4	0	227.1	353.7	511.3	0	159.4	38.98	11.49	0	0	0	11.11	25.62	19.56	60.37	46.57	113.2	103.9	81.05	96.83	59.66	74.7	11.73	27.88		
2760	0	142.4	0	0	18.62	201.2	483.6	0	55.6	0	0	0	0	0	0.56	202.4	0	19.56	10.64	61.15	71.47	63.57	71.32	14.36	70.52	52.62	99.11	41.75	
2800	555.5	291.7	174.4	260.9	87.64	1208	1015	1299	425.8	544.7	71.86	0	0	0	747.9	96.46	146.9	366.1	84.2	641.7	400.9	373	416.0	238.2	347.9	141.3	339.2		
2830	236.2	297.7	235.5	0	662.2	824.5	1855	734.8	325.2	314.6	0	2.06	1	32.9	27.67	81.24	104	204.6	216.6	211.8	226.6	194.7	224.6	190.1	175.1	481	0		
2870	1554	157.3	92.7	715.7	1130	2862	3728	2103	757.5	1356	58.3	9.73	0.38	0	180.7	188.6	584.9	517.9	646.8	763.5	840.3	732.4	732.3	533.7	441	134.7			
2920	11840	8397	2248	5340	7811	12920	24100	14200	6609	6790	589.7	5.68	10.17	1.20	12.6	11.7	1674	5077	7390	8985	8682	8745	6907	6302	6723	1924	0		
2960	707	1647	1269	1736	2981	2010	3454	7083	1134	686.7	28.76	12.65	0	1195	194.9	282.3	65.1	64.9	86.8	1086	999.0	647.3	64.2	64.2	391.8	346.5	373.7		
3000	73780	81560	10830	20180	41000	66750	164440	92400	38110	36110	3769	46.86	45.01	1878	87.2	10939	29450	27880	34200	37540	40720	41990	3440	32390	24400	6702	15.24		
3050	0	1073.3	0	862.6	1147	2114	2771	94.7	246.3	326.8	62.95	21.24	6.8	0	185.6	163.2	349	329.9	417.5	529.7	512.8	690.9	41.4	456.4	275.5	170.2	0		
3090	1139	1117	593.9	1274	1357	1720	2189	1819	776.9	931.1	60.11	5.74	0	0	194.4	365.2	608.6	640	845.4	967.5	964.9	693.3	645.4	500.9	712.6	211.6	0		
3130	131.6	495.4	66.42	6.01	621.5	1609	1490	898.2	505.5	500.9	16.83	0	0	0	522.6	143	174.8	317.7	511.7	547.7	672.2	583.8	511.3	618.2	466.6	5.3	223.7		
3170	1896	2225	5417.7	1547	1991	5044	8708	4747	1560	1542	101.7	14.24	0	0	261.2	449.2	1221	1085	1537	2003	2022	1640	1100	997.5	10.5	399.7	0		
3220	3740	2865	891.9	1988	3027	7500	9190	5116	3707	2693	202.2	0	2.2	0	61.2	499	2916	246	3447	3520	3628	4297	3471	1821	1741	729.9	0		
3260	6995	526	1900	2902	5267	8653	13990	8686	4199	4281	291.1	0	4.34	111.6	1146	1146	1146	1146	1146	1146	1146	1146	1146	1146	1146	1146	1146	1146	
3310	1788	1635	834.2	917.3	1704	2779	4304	1621	1265	889.5	56.76	1.04	0	0	272.2	244.4	1015	111.2	971.7	1170	1252	862.2	500	848.7	454.5	426.7	0		
3370	990.7	541.5	165.2	304.7	1017	1991	2867	771.7	708.9	413.4	0	0	4.62	357.9	173.1	277.1	397.7	440.2	500	364.9	494.4	424.2	500	364.9	494.4	424.2	500	0	
3410	1049	0	204.9	317	0	343.4	1230	549.1	458.7	241.2	30.9	40.19	0	0	206.1	31	117.2	346.5	712.5	293.8	257.7	210.6							

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Depth	AMU106	AMU107	AMU108	AMU109	AMU110	AMU111	AMU112	AMU113	AMU114	AMU115	AMU116	AMU117	AMU118	AMU119	AMU120	AMU121	AMU122	AMU123	AMU124	AMU125	AMU126	AMU127	AMU128	AMU129	AMU130	AMU131
7080	0	0	88.52	719.2	61.82	0	174	12.2	0	0	0	0	0.83	0	5.82	1.92	11.09	4.93	54.73	41.28	21.4	23.63	11.1	0.18	0	0
7100	0	0	0	0	126.3	245.3	32.24	1.37	0	0	0	0	8.45	0.03	0	0	23.14	77.42	40.58	72.15	19.2	91.3	38.54	54.46	8.42	0
7140	0	135.2	0	0	67.2	0	0	0	24.12	0	0	0	0	0	5.24	0	0	0	0	0	25.22	39.31	49.34	36.63	18.89	18.77
7170	34.25	88.93	76.42	0	68.18	458.4	1.41	181.3	114.6	0	0	0	1.34	0	297.5	7.42	2.12	3.3	42.24	62.34	70.65	94.08	84.12	19.34	0	27.54
7200	0	0	0	0	181	0	0	50.29	91.24	0	0	0	31.67	9.79	0	0	0	0	0	0	59.92	48.78	80.97	55.99	44.34	51.46
7230	211.9	281.9	184.8	0	157.4	26.98	60.51	142.7	0	0	0	0	16.61	14.98	0	102.7	85.73	36.24	78.13	51.6	89.93	144.4	98.23	131.9	38.72	10.39
7260	456.9	21.88	0	0	0	247.8	2.75	151.6	0	0	0	0	7.06	0.75	61.16	25.91	33.98	5.77	21.8	60.19	55.21	58.36	77.72	84.48	21.96	0
7290	10.09	295	567.2	0	0	107.8	0	0	0	23.98	0	0	0	0	0	0	0	0	0	0	26.61	31.11	41.07	55.52	22.11	0.67
7320	1391	188.3	405.2	0	158.2	0	1.41	147.4	0	4.62	123.1	0	0	0	6.54	0	0	0	0	0	44.12	51.17	67.95	70.54	52	142.4
7350	219.4	127.3	102.3	0	116.4	122.9	13.47	0	0	0	0	0	30.93	0	0	559.1	10.01	0	0	0	14.89	13.3	71.78	36.87	14.97	0
7380	0	113.2	0	0	110.8	159.6	12.72	112.5	22.75	89.03	0	0	0	0	0	11.71	11.44	10.68	45.04	32.46	84.04	9.12	13.68	66.75	21.72	0
7410	812.2	185.5	0	31.17	0	499.3	9.0	315.5	0	80.14	0	0	0	0	0	2.03	0	0	0	0	9.98	94.4	117.3	108.6	147.1	104.3
7440	0	0	0	0	1.73	0	0	108.1	0	0	0	0	0	0	0	0	0	0	0	0	8.02	11.69	5.43	34.66	52.74	63
7470	0	0	0	0	214.7	46.18	91.76	252.7	411.1	159.9	83.79	0	0	0	0	0	0	0	0	0	6.93	25.25	26.4	83.06	64.23	78.6
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.42	10.26	26.83	31.28	69.64	73.11
7530	598.7	0	0	0	39.12	196	81.14	0	0	0	294.4	32.12	172	11.61	15.74	0	0	0	0	0	0	3.54	0	17.43	25.18	13.13
7560	0	203	0	0	4.54	89.64	10.3	132.9	18.09	112.5	24.46	52.64	0	0	0	0	7.97	5.2	19.04	21.05	4.84	13.46	24.99	40.73	27.01	0
7590	0	194.1	0.67	18.94	267.3	267.9	101.3	26.7	287.3	107.8	0	5.21	1.58	419.3	17.12	9.23	13.94	15.23	1.57	0	0	0	4.72	0	0.46	
7620	216	28.65	0	0	374.3	254.8	176.7	1.92	14.54	92.88	0	6.15	0.96	0	11.32	14.72	7.11	52.91	59.38	137.3	77.75	41.06	5.06	28.36	62.38	
7650	427.1	338.8	0	0	218.2	81.53	33.18	299.7	154.1	101.9	0	45.99	0	0	4.12	20.24	0	0	0	0	21.25	27.78	34.01	26.98	37.14	
7680	199.1	0	15.42	213.9	300.8	197.9	103.8	27.15	0	0	0	11.07	0	111.2	2.75	29.59	0	0	0	0	0	0	37.3	34.75	0	33.27
7700	0	11.6	0	0	40.63	0	0	159.8	126.9	78	7.43	2.6	0	0	0	5.77	0	0	0	0	77.65	28.64	2.8	27.47	15.6	
7740	23.91	0	0	0	0.32	0	341.5	0	0	0	0	0	0	0	0	0	0	0	0	0	40.45	4.75	5.16	46.34	84.28	
7770	127.8	1273	293.2	28.03	291.2	256	502.8	382.2	103.9	569.6	10.16	0	2.79	0	0	0	0	0	0	0	92.68	88.81	167.6	151.9	182.3	
7800	0	86.57	0	0	361.5	21.39	198.4	82.61	141.6	33.45	161.6	85.82	0	185.1	12.58	21.26	17.79	23.79	60.92	32.26	37.62	35.53	91.46	501.7	42.16	
7830	94.11	636.2	0	0	189.5	0	4.36	1.33	72.5	7.52	0	0	0	0	3.98	0	0	0	0	0	62.81	29.51	84.02	75.95	95.45	
7860	0	14.77	0	0	168.2	0	4.7	84.4	38.88	14	61.89	0	0	0	7.91	18.83	9.8	47.59	6.66	27.83	37.67	60.39	55.4	0	44.99	
7890	225.6	32.37	0	0	4.52	321	282.2	82.63	111.5	0	30.08	14.45	0	0	0	48.84	21.9	53.99	53.12	86.84	68.14	111.5	126.8	98.3		
7920	0	391.1	0	0	0	366.8	237.7	424.9	0	0	0	4.32	0	0	0	6.77	40.77	42.92	33.91	34.49	36.38	48.28	28.29	21.78		
7950	0	1.79	10.81	0	0	0	77.27	201.8	0	121.3	32.51	22.64	15.93	65.1	11.91	22.96	75.16	66.71	114.5	146.6	110.2	108.1	70.94	19.47	0	
7980	0	106.7	0	0	947.4	164.8	2.24	24.23	29.99	22.27	19.2	0	0	0	13.01	20.13	16.35	96.89	66.67	68.3	43.06	94.08	96.95	58.39		
8010	77.22	0	206.1	41.76	120.8	104.7	357.7	171.6	0	0	0	0	0	0	69.35	61.91	67.82	15.81	60.76	115.3	77.3	89.31	58.52			
8040	0	205.3	0	0	168.2	0	4.8	13.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8070	0	0	0	0	864.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8100	0	88.79	0	0	166.5	0	0	0	133.4	140.8	0	6.73	0	444.3	6.36	0	0	0	0	0	5.29	2.03	2.77	35		
8130	120.7	79.18	0	480.1	0	579.1	0	12.2	0	65.76	69.75	17.12	0.13	0	14.43	14.66	11.23	16.07	40	43.36	49.04	31.73	16.05			
8160	140.9	0	0	84.66	106.9	3.15	112	9.32	20.88	0	0	0	0	0	29.77	29.22	11.13	0	0	0	0	0	0	0	0	
8190	505.6	0	111.8	181.9	0	335.6	0	108.1	231.9	26.42	2.68	18.12	4.49	0	31.89	0	0	0	0	0	0	0	0	0	0	
8220	10.97	0	21.73	78.05	0	0	0	0	163.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8250	51.7	0	50.18	247.3	129.5	503.3	177	79.75	13.83	174.7	0	0	0	0	5.85	0	0	0	0	0	0	0	0	0	0	
8280	0	0	0	0	216	107.4	0	0	0	0	0	0	0	0	28.61	0	15.12	0	0	0	60.62	36.15	28.64	15.27		
8310	283.2	0	157.4	0	152.8	212.9	0	61.11	0	125.5	87.12	22.28	-0.46	5.70	19.57	0	0	0	0	0	21.49	6.68	6.69	0	24.55	
8340	194.3	37.5	0	0	0	0	0	74.4	0	52.05	49.78	0	0	0	61.42	10.23	1.97	0	0	0	0	17.11	0	18.9		
8370	422.4	40.18	181.7	0	59.57	150	221.5	110.1	0	71.19	0	18.2	0	0	0	41.36	0	0	0	0	0	0	0	0	0	
8400	574.8	0	0	0	167.5	0	119.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8430	128.9	2.72	0	302.3	191	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8460	252.7	566.9	106.8	400.4	87.9	411.2	0	15.14	429.6	32.72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8490	50.32	0	0	97.58	0	240.4	140	54.99	0	35.44	0	14.64	0	0	224.5	11.72	8.74	11.36	17.16	24.88	17.81	37.99	11.73			
8520	40.28	0	17.94	686.6	0	95.57	82	9.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8550	511.6	132.9	167.7	0	0	0	145	139.5	0	61.75	95.33	3.17	0	171.2	4.15	9.87	6.63	11.64	0	0	0	0	0	0	0	
8580	0	190.1	0	400.7	0	264.4	0	2.98	0	45.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8610	175.5	0	319.4	0	0	116.3	42.06	51.07	51.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8640	0	106.3	97.07	542.2	196.9	59.09	129.8	18.7	86.52	13.59	99.8	26.56	4.34	0	12.96	0	0	0	0	0	0	0	0	0	0	
8670	258.4	47.53	0	0	0	0	0	55	111.6	0	0	5.38	6.06	271.9	7.6	14.27	14.83	39.42	19.75	64.67	9.48	11.13	0	17.3	0	
8710	0	0	0	0	158.8	71.13	125.3	20.91	0	36.45	0	0	0.41	0	1.71	16.02	0	0	0	0	0	0	0	0	0	
8740	0	68.67	0	0	0	250.1	0.36	6.55	0	0	65.96	1.55	0	63.7	26.97	7.81	4.19	11.29	14.63	0	0	0	0	0	0	

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Depth	AMU132	AMU133	AMU134	AMU135	AMU136	AMU137	AMU138	AMU139	AMU140	AMU141	AMU142	AMU143	AMU144	AMU145	AMU146	AMU147	AMU148	AMU149	AMU150	AMU151	AMU152	AMU153	AMU154	AMU155	AMU156	AMU157		
290	0	10.28	13.15	10.32	22.46	16.25	0	1.47	10.52	9.32	28.46	0.73	4.13	4.19	0.11	0	0.3	7.77	0	4.59	0	1.85	0	0	0	10.66		
520	3.35	0	6.11	0.59	8.68	3.11	1.83	19.71	3.78	7.34	4.99	0	8.41	0	0	0	0	15.1	2.15	3.19	0	0	0	0	0	7.48		
640	36.97	5.77	7.38	8.89	27.9	11.38	11.28	11.78	37.46	16.37	0	2.78	1.08	0.84	1.7	5.81	1.78	1.14	10.28	1.35	8.95	3.35	2.93	7.67	0.23	0		
760	72.08	18.58	1.11	8.93	9.53	9.41	0	11.7	15.81	10.26	5.78	22.11	6.4	17.34	1.44	42.85	18.84	31.5	24.63	16.88	0	0	6.14	0	0.47	2.37		
900	40.03	12.4	2.15	7.57	6.45	25.01	25.22	17.69	21.37	33.59	0	65.39	150.7	21.6	8.03	35.02	33.37	30.6	5.05	42.19	10.19	4.15	0	4.16	24.08	0		
1500	8.79	0	7.39	4.26	12.72	25.49	13.15	7.01	22.26	1.84	32.92	7.87	19.98	11.78	11.49	14.72	45.05	40.09	10.77	3.53	11.79	0	13.69	21.27	0	0		
1550	0	2.77	10.06	0	28.24	15.46	18.52	17.54	16.28	21.85	46.87	0	104.9	11.9	11.99	44.15	23.07	24.14	24.55	15.3	22.37	14.71	10.52	0	4.93	0		
1640	0	0	2.45	13.7	9.46	9.94	13.22	6.06	13.12	20.84	17.11	1.6	10.93	9.22	2.85	8.4	26.10	26.11	12.32	13.29	22.75	10.59	17.2	1.88	0	0		
1690	18.55	8.4	9.77	8.87	18.52	2.92	19.17	11.43	26.04	0	20.45	7.4	37.01	23.02	14.14	49.53	44.48	40.74	7.55	10.2	20.09	20.87	10.61	9.62	0	6.31		
1740	3.5	1.91	6.19	6.46	20.38	23.85	24.48	11.07	11.06	6.71	12.7	2.61	81.03	13.54	15.77	11.53	22.83	0	0	27.65	23.02	5.91	0	5.27	0	0		
1810	10.56	1.71	1.58	3.50	12.7	21.3	12.52	22.41	14.78	18.70	0	6.42	10.22	7.89	1.76	15.19	11.87	24.86	2.79	6.87	0	0	6.28	0	0	9.98		
1890	0	4.1	7.63	42.3	7.92	3.71	10.77	2.73	12.94	6.82	17.52	33.42	0	4.27	11.94	40.74	11.52	10.76	6.3	0	0	23.66	7.06	0	3.13	49.82		
1950	9.03	4.61	7.98	15.24	21.02	18.0	2.1	13.06	38.04	16.08	0	69.12	0	8.42	7.12	20.12	25.27	24.14	24.56	11.8	7.67	32.21	15.76	8.54	5.57	0		
2010	2.16	0.7	16.89	13.57	18.07	24.34	13.09	17.29	4.23	12.08	2.76	2.15	76.82	0	1.42	9.62	15.43	24.31	39.19	17.04	0	6.09	3.99	33.3	16.29	13.81	17.03	
2050	2	0.51	7.33	4.91	3.9	18.56	28.96	2.48	0	3.03	14.15	1.4	5.55	24.47	7.72	15.73	0	46.17	0	0	0.81	16.71	10.21	3.26	0	0	0	
2100	0	0	7.47	4.8	7.02	3.93	0	26.91	0	10.33	1.14	11.44	0	15.67	4.23	8.36	24.21	10.23	0	0	3.18	0	0	0.72	23.98	5.26	0.77	
2140	0	3.4	1.94	6.18	7.49	17.62	3.62	25.12	6.79	6.41	0	17.71	55.09	6.15	6.11	2.04	24.9	17.22	11.25	16.17	5.6	10.74	10.55	0	0.02	0	0	
2180	28.9	4.71	3.82	4.55	4.79	2.81	0	0.98	5.12	10.95	0	21.14	18.0	13.57	8.8	14.4	24.82	2.37	0	3.34	11.56	7.15	12.88	0	3.57	0.3		
2210	7.69	11.03	8.55	3.76	4.27	7.44	1.16	0	1.03	0.49	5.53	1.75	28.84	1.91	4.83	11.99	0.59	5.43	10.04	11.4	1.8	0	15.82	10.34	0	0	0	
2270	0	0	5.33	0	4.98	4.2	9.9	13.63	8.7	2.61	0	21.36	17.12	8.8	0.77	0	9.15	11.77	0	0	6.73	0.83	15.54	0	142.6	0	0	
2310	13.84	16.18	11.95	14.87	28.68	39.84	30.75	31.16	23.81	42.38	28.11	16.44	89.85	1.38	1.25	17.21	2.17	14.1	16.94	4.1	20.08	20.2	8.17	32.5	0	0	0	
2350	47.08	4.9	21.56	30.98	64.55	54.32	52.93	53.08	64.1	47.32	22.79	19.14	20.47	4.14	8.03	47.15	24.7	29.88	36.07	24.88	38.55	72.9	9.03	21.01	0	22.78	0	
2390	114.9	171.0	392.3	446.9	1030	1567	1794	2069	2012	1939	1711	349.2	227.4	30.96	40.0	85.92	112.2	334.8	416.8	724.1	817	735.1	524.1	310.1	77.54	0	0	
2440	82.7	102.9	208.4	356.8	561.5	649	878.8	1024	972.1	950.1	540.4	253.4	26.9	29.91	14.91	81.94	112.6	182.5	477.7	382.2	324.2	331.1	242.2	382.0	150	65.44	0	
2480	7.08	32.78	104.2	120.3	224.6	228.5	281.9	293.3	350.2	202.7	110	26.33	67.29	32.15	16.2	61.23	61.49	109	97.78	30.5	108.7	100.1	117.9	104.6	25.92	3.89	0	
2520	25.29	11.14	22.54	28.49	105.5	80.38	58.01	101.8	90.04	154.8	71.89	45.48	76.4	13.25	11.38	24.06	11.28	67.21	61.12	101.1	117.7	109.2	82.69	27.71	24.37	48.37	0	
2560	0	0	23.03	17.32	22.73	10.77	48.23	47.65	75.6	51.58	0	9.45	88.98	8.35	5.8	27.78	24.6	28.07	51.04	41.4	40.49	79.27	23.55	47.93	0	9.31	0	
2590	5.86	2.64	0	23.45	43.06	48.21	27.73	0	51.01	33.77	36.32	146.1	61.51	14.03	10.2	14.2	9.85	66.61	24.13	11.99	23.12	91.46	11.28	24.32	0	0	0	
2640	8.46	11.27	31	20.5	57.56	83.48	76.41	54.99	83.46	83.69	94.99	65.43	101.9	16.92	12.31	15.94	9.43	33.57	31.36	0	90.81	43.46	0	0	14.27	4.53	0	
2680	18.82	31.16	40.38	38.86	41.88	65.18	49.49	163.7	47.31	90.22	45.82	19.71	57.37	10.9	6.47	41.22	36.39	19.31	0	3.13	57.23	323.3	53.88	0	24.73	28.6	0	
2720	27.71	29.12	42.65	40.7	55.04	89.24	86.7	86.44	92.91	39.89	28	19.15	76.5	14.01	10.94	11.74	15.38	19.08	36.31	10.2	33.11	80.74	7.96	36.30	0	31.35	0	
2760	0	0	0	34.89	66.4	33.61	86.16	10.49	47.44	45.75	46.13	5.52	11.46	5.43	7.19	20.29	11.08	28.91	45.6	11.1	13.42	60.29	14.1	57.76	13.37	20.98	0	
2800	73.85	97.07	165.4	173.7	320	288.1	349.3	115.1	317	230.2	186.1	63.71	250.8	10.3	20.27	97.59	109	151.7	148	111.9	94.51	109.1	81.15	57.36	69	13.89	0	
2830	119.1	78.47	140.2	45.25	139.4	132.1	188.6	2.47	168.2	86.49	83.24	106.6	140.3	10.2	17.53	102.1	109.4	136.8	81.05	111.9	159.3	69.30	30.30	25.52	32.2	96.24	0	0
2870	48.62	112.3	124.3	160.4	392.2	323.7	423.4	529.2	558.2	553.1	373.9	170.2	206.9	54.04	27.42	101.7	130.8	204.4	212.4	238.8	198.7	179.6	142.5	114.9	110.3	0	0	0
2920	454.7	674.3	839.2	1165	2899	3467	4388	57.86	6125	5252	3553	1343	297.5	15.4	70.3	170	269.3	416.7	816.7	1321	2088	2218	2078	1219	1096	536.4	0	0
2950	181.9	187.1	203	257.9	343.6	490.5	612.7	711.8	580.4	618.1	502.5	381.5	384.4	74.86	30.66	173	170.9	319	222.2	143	314.5	288.9	295.6	248.9	210.2	48.2	0	0
3000	2295	2731	4838	7750	15390	20820	25250	31100	31100	28680	20260	1452	424.2	117.8	1469	2345	4326	7852	11230	12400	14060	13150	8647	5785	1027	0	0	0
3050	4.94	23	88.71	103.3	178.5	189.1	462.2	464.7	484.9	433.5	451.5	176.8	124.2	68.92	15.1	84.59	10.8	187.2	180.7	204.7	273	300.0	250.9	181.2	150.5	82.75	0	0
3090	110.5	89.05	104.6	150.5	412.2	600	649.6	7.81	845.4	584.7	300.1	149.4	672.5	424	63.1	240.2	101.4	94.1	315.2	111.4	333.3	353.2	309.9	157.1	90.02	0	0	0
3130	139.2	102.3	79.53	154.4	239.7	482.9	508.8	725.4	524	549	550.6	313.4	576.5	109.2	57.94	102.1	151.7	195.1	208.1	211	292.8	282.2	290	95.52	170.8	25.45	0	0
3170	1.16	144.2	282.5	324.1	683.3	830.3	972.8	1214	1311	895.5	791	529.3	929.3	141.4	74.52	396.6	127.7	428.1	395.9	444.3	484.9	609	602.1	415.4	236.6	15.67	0	0
3210	262.6	315.3	628	823.3	1557	1942	1949	2198	2531	2121	1157	101	1541	1335	184.2	441.5	414.7	454.7	999.2	1046	974.5	1070	807	674.1	411.6	80.28	0	0
3260	542.8	587.1	1081	1149	2513	3568	3849	3461	4282	3042	2111	1199	1529	265.1	132	822.5	812.1	1345	1496	1717	1481	1681	1822	1217	920.9	288.5	0	0
3310	98.49	138.7	265.7	307.3	582.5	635.1	885.2	901.7	1056	950.4	414.7	298.5	479	32.62	52.43	212.7	247.8	349.5	472.4	411.3	412.9	547.2	660.2	170.7	71.46	118.9	0	0
3370	91.24	40.92	209.9	152.6	360	366	335.4	557.4	531.8	468.4	414.2	210	369.3	45.8	22.66	414.4	140.1	201.7	130.2</									

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Depth	AMU132	AMU133	AMU134	AMU135	AMU136	AMU137	AMU138	AMU139	AMU140	AMU141	AMU142	AMU143	AMU144	AMU145	AMU146	AMU147	AMU148	AMU149	AMU150	AMU151	AMU152	AMU153	AMU154	AMU155	AMU156	AMU157	
4710	93.70	310.8	486.2	442.1	427.4	895.5	983.9	762.7	870.1	876.1	1881	717.0	998.9	124.8	107.2	486.7	527.1	533.2	536.7	476.6	487.8	271.7	300	354.6	89.60	0	1111
4730	149.1	197.6	296.0	446.5	670.1	501.9	1003.5	422.6	725.1	937.1	359.8	556.9	823.4	184.8	119.1	262.1	473.4	490.7	390.6	472.5	348.8	305.1	200	124.3	0	0	0
4750	72.38	88.18	268.9	199.7	417.1	261.3	579	494.4	373.8	464.5	279.2	392.3	426.4	100.3	55.1	196.5	266.7	265.6	187.1	197.8	166.5	243.3	150.7	145.1	141.9	0	0
4770	47.65	159.8	196.6	218.9	419.4	376	405.1	291.4	431.3	414	241.8	274	502	825.4	649.9	215.3	307.1	245.9	312.8	312.5	222.7	188.5	214.2	155.3	82.95	72.91	0
4790	95.95	135.7	236.4	275.1	484.9	178.5	548	541.3	640.5	594	365.5	408.4	1045	154.1	65.24	397	194.5	948.1	296.5	396.4	156.1	271.9	200.3	158.8	89.15	72.92	0
4810	105.2	98.55	189.1	192.4	730.1	311.1	1107.9	394.5	426.1	549.3	357.4	322.4	447.8	120.6	56.4	171.3	109.0	325.9	235	298.5	221.6	259.4	68.98	152.9	129.4	66.72	0
4830	59.27	106.5	66.51	119.7	160.8	227.2	205.8	314.5	289.6	197.8	109.9	136.6	421.7	637.9	49.3	167.1	126.7	297.5	238.5	266.9	148.6	114.7	119.3	41.16	20.92	57.55	0
4850	47.22	96.24	80.32	163.4	161.9	434.1	290.9	293	341.3	187.9	181.6	220.8	176.1	193.2	25.94	171.1	124.2	36.15	187.4	288.4	96.77	170.3	214.5	94.63	21.92	0	0
4870	30.97	20	100.5	90.75	174.7	144.7	187.1	294.4	287	167	89.05	160.4	64.81	20.19	28.14	102	130	57.81	108.9	69.91	187.7	131.2	152.4	25.52	0	0	0
4880	17.04	29.76	96.54	150.4	174.0	124.8	187.7	143.1	327.4	267	200.6	82.48	284.4	17.14	17.14	71.99	40.41	195.9	94.8	112.3	51.08	51.08	75.57	75.2	97.15	57.21	0
4930	54.83	46.99	101.2	54.75	178.7	107.7	298	218.8	253	249	256.9	180.1	198.4	60.1	41.66	135.9	126.4	131.9	160	153.2	103.7	195.5	69.4	186.5	51.22	17.88	0
4960	22.13	76.57	77.17	181	122.7	171.1	210.3	201.9	253.4	245	84.54	129.4	176.1	54.06	34.98	54.99	107.3	66.91	58.41	217.9	106.8	98.11	74.94	69.18	54.87	11.69	0
4990	65	77.76	196.3	183.1	37.9	407.3	427.2	478.3	487.6	411.9	271.4	201	527.1	94.62	36.48	193.5	268.4	248.8	263.3	170.3	202	69.86	107.5	0	0	0	0
5020	66.04	51.73	110.6	123.3	194.4	97.44	105.8	221.4	142	162.2	245	130.4	425.5	25.96	41.09	103.7	125.0	152.2	114.4	167.4	5.02	100.5	27.84	44.87	58.67	32.2	0
5070	0	100.3	63.79	117.3	127.1	142.3	229.4	56.12	145	168.9	194.4	648.8	21.46	65.54	95.71	144.2	209	118.1	79.08	111.5	72.01	35.32	65.16	0	0	0	0
5110	13.8	20.69	72.5	88.68	72.78	124.1	116.7	125.3	177	209.5	218.1	147.4	473.4	5.51	34.1	118.4	176.5	55.56	164.5	92.67	61.37	137.4	0	66.05	132.9	0	0
5140	79.44	233.2	299.7	317.1	671.2	767.9	882.9	682.9	651.7	696.1	637	374.2	709.5	92.74	50.92	220.1	98.4	432.9	422.2	356.8	274.8	235.5	308.6	178.9	0	68.25	0
5160	22.53	24.25	106.6	29.87	100.9	70.57	53.74	95.62	54.93	60.48	0	172.1	197.7	14.41	24.5	59.88	106.4	119.7	166.1	113.4	28.4	20.86	9	35.34	89.21	25.58	0
5190	29.47	18.06	36.66	36.7	135.4	77.5	187.8	116	42.59	76.17	34.07	0.64	134.7	17.53	10.25	38.41	0	66.92	32.18	60	82.57	28.24	0	29.57	13.99	22.38	0
5220	0	41.38	3.21	52.47	50.91	35.84	8.9	6.93	97.11	84.28	21.33	53.07	321.4	11	6.82	94	96.6	24.44	49.83	98.47	42.82	52.98	34.23	0	30.57	29.77	0
5250	11.52	15.87	18.12	44.07	51.21	47.71	54.71	44.88	47.7	13	88.11	41.13	153.2	87.16	15.92	0	30.32	31.88	31.68	0	53	16.21	38.61	45.19	27.75	11.98	24.83
5280	0	68.32	102.4	95.25	164.7	171.1	168.3	179.4	174.1	114	81.18	105.9	261.3	79.77	26.77	96.12	94.2	116.6	124.4	117.4	21.36	87.76	58.21	0	50.76	56.81	0
5310	22.66	19.35	97.85	46.48	49.85	37.6	76.74	37.49	112.3	27.77	20.96	33.68	177	4.56	5.51	54.33	31.75	47.98	59.39	98.43	0	40.8	0	0	21.83	11.04	0
5340	0	22.39	49.38	24.37	59.88	46.32	55.75	29	113.7	13.99	0	52.86	100	13.98	0	48.09	0	38.99	37.79	38.49	14.98	9.65	60.43	45.5	0	0	0
5370	81.4	11.4	7.37	29.59	104.6	95.98	48.11	162.5	166.8	17.69	7.92	43.21	13.24	37.79	6.79	27.98	34.14	11.71	0.59	49.04	14.23	4.12	0.64	27.51	46.79	13.24	0
5400	8.88	15.58	5.68	34.76	43.01	0	1.3	0	7.82	0	54.42	0.89	171.6	12.09	5.88	32.09	37.17	51.81	14.15	2.55	17.96	7.31	1.93	53.95	16.58	40.7	0
5430	0	53.31	25.5	116.8	161.2	194.5	111.7	149.2	240.5	154.9	181.4	53.74	89.9	54.3	17.74	126.8	0	117.5	174.6	47.36	22.50	43.89	104.5	0	0	0	0
5460	67.55	69.25	121.3	126.2	17.4	181.9	215.8	170.8	240.4	128.8	72.73	185.4	266.2	52.91	95.07	107.1	114	189.2	120.4	168.2	156.3	144	172.2	21.91	127.5	0	0
5490	113.6	93.15	223.2	203.2	256.6	307.2	315.0	312.7	344.3	218.1	172.4	549.3	14.10	54.6	248.1	116	225.9	235	166	170.2	150.7	0	38.05	48.85	0	0	0
5520	31.76	51.43	80.18	53.72	154.7	78.5	21.36	13	66.28	76.5	76.37	96.19	34.67	13.01	17.96	94.13	66.92	85.58	98.03	32.26	52.96	0	59.15	119.4	125.8	26.12	0
5550	0	5.9	37.61	63.86	73.88	31.3	17.5	71.3	9	21.44	43.87	81.36	88.19	24.04	24.8	52.12	31.83	41.6	63.01	71.88	33.24	22.83	0	32.44	0	0	0
5580	75.91	175.4	325.3	311.8	484.3	496.2	589.1	761.2	531.9	597.5	285	310.6	541.1	74.11	58.25	169.5	211.8	247	189.6	338.9	309.2	157.5	54.55	154	44.94	49.82	0
5610	22.35	76.4	101.8	58.35	69.52	134.7	148.4	127.8	46.48	176.1	46.17	115	301.6	54.19	17.15	95.66	117	77.87	108.6	116.9	39.39	108.8	0	10.27	1.58	27.44	0
5640	33.27	41.2	48.34	82.25	168.3	161.8	238.4	193.6	231.1	109.8	154.4	112.6	236.2	244.3	299.9	76.76	142.6	131.2	132.8	116.7	73.83	65.88	143.3	30.98	0.81	0	0
5670	399.8	262.6	726.1	782.5	1211	1267	1711	1240	1679	1433	1138	460.6	262.2	59.16	31.5	175.2	303	529.7	726.6	1261	749.8	871.3	859.4	395.5	205.5	251.9	0
5700	6.48	64.6	100.6	138	283.4	342.4	291.1	353.5	375	206.9	227.5	286.3	383.6	64.92	35.15	171.3	134.3	223.4	103.8	58.6	94.82	54	71.87	99.5	0	0	0
5730	25.76	25.51	71.31	96.45	130.8	154.9	184.8	312.2	337	324.3	354.4	417.4	481.1	20.75	24.66	59.68	64.86	119.3	204.9	102.4	110.6	89.41	64.21	28.3	156.6	120.9	0
5760	226	322.3	378.1	403.1	644.5	918.3	880.7	890.4	829	621.2	384.1	386.2	549.1	64.12	56.2	196.8	213.8	235.2	571.4	389.6	333.9	221.9	254.6	155.3	68.23	82.92	0
5790	0	69.83	105.3	169.5	101.5	117.8	126.4	97.5	161.6	167.8	226.1	119.6	284.1	48.9	19.94	102.6	104.6	140	52.21	113	105.6	116	24.41	158.4	0	0	0
5820	0	71.3	15.35	32.67	41.4	0	215	104.8	97.94	145.1	12.47	109	101.4	249.9	11.18	36.53	104.8	132.9	24.41</								

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Depth	AMU132	AMU133	AMU134	AMU135	AMU136	AMU137	AMU138	AMU139	AMU140	AMU141	AMU142	AMU143	AMU144	AMU145	AMU146	AMU147	AMU148	AMU149	AMU150	AMU151	AMU152	AMU153	AMU154	AMU155	AMU156	AMU157
7080	0	0	1.34	0	88.25	1	27.69	0	7.55	0	10.1	14.65	11.14	0	4.14	0	15.91	20.81	22.05	0	0	0	0	0	0	0
7100	0	0	17.84	23.78	51.89	31.96	107	110.3	1.84	11.37	0	11.67	14.48	10.95	7	62.9	24.9	54.94	44.28	0	0	17.17	0	0	1.2	23.38
7140	0	4.45	0	7.86	0	5.31	30.59	18.09	45.56	3.73	15.09	3.97	58.3	748	0	2.74	16.71	0	16.04	37.11	31.14	0	0.67	0	7.94	
7170	6.79	4.29	1.96	0	27.96	21.5	48.89	20.37	75.32	0	0	44.09	82.09	13.53	7.91	44.7	26.8	29.18	20.63	16	0	1.12	24.36	7.56	0	0
7200	29.44	0	4.0	49.7	14.21	76.47	6.53	65.84	0	12.46	17.86	125.8	18.42	42.09	24.2	35.33	66.01	0.08	3.83	0	18.85	0	10.15	14.99	11.32	
7230	0	10.23	20.66	71.38	30.86	59.68	63.36	0	43.18	26.3	5.32	94.49	191.4	22.51	19.74	75.48	97.39	65.51	55.9	10.06	10	14.04	0	90.51	137.8	
7260	6.49	0	5.93	14.22	23.37	23.4	11.55	81.05	89.11	0	0	20.27	19.4	26.75	13.63	52.01	52.37	61.4	13.3	0	39.93	7.1	3.64	0	0	
7290	18.16	0.02	0	35.25	27.71	1.34	16.6	0	0	0	9.22	0	6.4	15.86	9.64	7.75	19.51	56.29	16.88	0	18.86	0	38.39	5.75	0	
7320	0	3.32	0	0	42.74	81.53	0	52.36	37.7	0	0	1.76	22.3	42.74	19.4	110.11	39.92	49.52	42.46	0	0	8.09	47.83	0	164	
7350	0	8.26	0	0	27.64	32.13	0	10.26	40.21	0.62	36.21	11.02	48.93	0	0	12.5	12.03	8.63	0	14.58	25.96	0	11.56	13.52	0	
7380	0	2.28	0.56	7.36	0	22.88	113.9	0	49.25	15.14	0	9.92	53.81	2.87	0.98	29.91	24.39	57.92	20.29	11.94	0	0	41.61	0	3.49	
7410	39.17	13.78	0	39.35	100.6	35.1	64.95	43.43	26.44	78.4	0	173.3	216.1	43.6	25.92	75.93	50.97	146.2	68.83	0	0	10.67	13.58	4.35	0	
7440	0	0	5.82	3.97	16.08	0	38.01	0	20.62	6.06	0	5.57	142.8	0	0	40.63	31.04	49.43	10.34	0	33.3	0	0	68.95	0	
7470	1.14	0	13.22	13.73	38.97	64.72	55.59	41.19	69.94	16.38	0	8.6	71.28	10.85	12.94	31.78	40.61	16.92	3.99	42.18	0	31.53	0	270.11	39.07	
7500	0	0.76	15.34	34.63	26.71	69.59	42.74	24.04	0	0	0	11.1	10.67	9.44	16.41	22.7	93.12	0	42.79	0	0.67	15.95	0	213.7	52.87	
7530	24.87	0	16.15	0	0	6.2	2.34	21.92	35.39	0	1.39	0	0	0	0	9.39	5.94	5.44	0	0	0	1.55	47.62	0	0	
7560	8.17	0	0	0	6.89	0	17.94	5.96	0	0	23.54	10.73	36.97	1.14	15.42	11.77	14.43	5.71	15.61	0	25.14	0	0	0	0	
7590	0	1.85	18.43	52.55	0	0.26	0	0	14.24	34.08	35.48	1.04	19.03	0.1	3.29	19.19	29.77	69.17	0	0	11.3	0	0	80.13	0	
7620	0	2.86	10.21	20.79	11.13	50.15	80.09	46.94	0.24	74.8	0	7.4	0	14.43	7.96	48.33	13.19	19.84	0	7.74	0	0	0	22.93	37.63	
7650	0	12.67	0	14.9	29.31	0	69.71	36.4	0	25.39	14.3	5.36	2.96	7.93	0	0	10.94	15.06	0	9.84	0	17.04	3.56	29.44	0	
7680	6.81	6.44	10.59	0	0	33.97	26.58	40.75	6.75	0	10.81	0	17.75	0	1.41	0.97	32.36	12.54	27.89	26.57	0	25.83	0	0	0	
7700	8.21	7.48	7.47	14.14	0	8.68	19.13	11.82	84.18	50.86	1.73	0.37	65.89	5.23	3.8	0	12.6	36.88	2.1	0	0	23.12	0	0	2.9	
7740	0	7.85	0	4.42	56.24	98.7	63.19	16.12	40.29	50.94	13.48	0	0	8.71	11.23	12.11	22.84	29.08	0	0	10.19	0	26.85	2.6	27.09	
7770	155.3	31.88	39.49	40.74	89.71	72.19	145.2	267.2	178.5	101.3	92.73	75.86	343	88.39	45.66	124.1	140.1	149.8	50.27	62.09	14.68	4.95	16.22	81.82	127.7	
7800	8.87	21.8	10.79	13.16	0	12.42	35.31	79.69	61.1	0	230.2	0	66.61	13.92	16	21.86	29.53	90.86	39.94	21.7	19.28	0	62.19	17.84	0	
7830	2.39	0	10.98	19.87	34.69	56.85	60.86	65.97	0	45.92	85.18	34.43	176.4	12.61	16.55	9.47	71.74	26.28	31.05	27.72	5.27	59	39.05	0	3.54	
7860	6.64	2.64	0	4.01	71.8	21.54	16.51	8.3	44.25	36.75	0.25	21.03	142.3	13.16	14.68	53.84	24.73	49.31	5.77	9.84	10.17	14.73	14.15	10.38	22.7	
7890	0	1.25	75.99	7.43	11.01	31.95	62.7	0.27	18.66	75.37	0	0	11.8	2.23	26.77	65.22	148.26	24.52	36.11	0	5.42	23.4	0	52.31	145.9	
7920	0	11.42	77.03	0	8.45	0	0	19.64	0	0	21.79	0	0	0	0	9.86	10.92	11.49	55.16	30.68	10.22	0	94.34	0	12.5	
7950	0	12.16	56.52	10.62	6.08	25.89	52.38	0	20.78	0	72.07	29.3	24.02	22.07	51.76	91.49	106.2	23.44	7.37	6.33	0	112.5	76.07	105.2	368.7	
7980	28.44	0	14.44	49.54	10.94	13.87	9.74	29.84	0	12.79	61.25	103.3	17.44	13.19	58.34	43.04	45.31	20.95	0	20.18	26.8	0	1.2	48.52	0	
8010	18.89	28.06	28.66	5.99	44.59	42.91	18.94	3.04	1.34	35.17	63.46	11.77	7.2	26.19	30.01	87.07	51.1	9.95	0	9.53	0	40.43	21.79	0	8.77	
8040	0	0	0	0	0	0	0	0	0	0	0	0.42	69.34	2.14	4.43	32.5	2.02	11.86	18.56	0.21	0	10.52	37.75	0	20.21	
8070	8.37	0	1.97	0.62	18.63	5.2	0	6.57	68.04	2.42	0	0	11.02	7.71	12.84	9.35	19.87	9.23	24.43	30.75	0	0	15.8	66.39	0	
8100	0	0	28.49	15.06	8.65	8.62	0	13.81	0	30.89	92.43	0	3.68	1.74	2.91	2.8	0	0	15.88	0	0	0	0	0	0	0
8130	2.51	0	15.04	37.6	1.33	22.74	3.71	15.34	6.36	10.38	44.82	51.28	0.02	3.26	4.43	3.74	0	0	1.97	28.87	19.6	0.24	1.7	29.28	0	
8160	0	10.41	8.93	0	43.59	0	8.9	107.1	25.69	73.6	0.27	66.79	0	1.5	0	14.87	14.73	25.01	22.02	14.56	0	1.09	0.76	50.79	1.41	
8190	0	1.59	4.99	0	6.82	1.01	0	0	5.16	56.36	6.46	0	50.55	0	7.07	14.15	29.18	0	14.27	2.92	13.12	0	0	0	8.64	
8220	21.68	1.59	3.68	4.67	0	1.94	0	8.97	1.59	1.72	11.04	0	30.97	11.85	9.75	19.54	27.72	0	14.83	25.59	0	26.64	8.66	0	7.90	
8250	0	6.71	16.05	8.23	9.12	14.81	0	21.74	14.67	32.84	16.38	0	0	19.6	11.46	0.7	14.64	52.09	1.8	44.62	0	26.99	45.86	4.41	4.89	
8280	0	0	14.05	11.12	9.57	0	9.87	14.65	0	0	2.51	0	0	1.03	32.33	29.43	61.05	39.53	33.15	0	0	0	0	0	0	
8310	21.97	13.12	10.68	11.04	33.36	0	2.22	14.14	0	57.13	2.37	26.58	0	0	5.31	2.12	19.69	14.19	2.06	0	0	0	0	26.44	1.37	
8340	0.56	0	2.24	0	9.01	0	0	11.1	99.41	51.96	8.42	0	87.56	2.09	10.58	0	0	0	3.41	0	22.7	18.03	8.85	0	3.43	
8370	0	0	3.18	4.45	0	3.53	0	0	38.51	13.35	41.7	0	1.08	0	15.17	7.92	21.57	0	0	0	0	0	0	0	33.3	
8400	0	25.57	0.74	9.29	11.57	24.28	7.86	21.89	0	30.65	0	16.13	0	0	3.53	0	0	24.35	18.87	0	0	0	0	0	59.63	
8430	27.37	1.7	13.52	9.79	4.67	1.02	18.73	21.75	0	0	0	0	3.1	0	9.84	0	0	2.46	6.39	3.24	6.78	0	24.11	0	20.21	
8460	9.39	2.41	9.9	0	5.81	9.25	15.52	3.25	52.81	29.06	0	55.32	0	10.46	0	41.1	11.49	0	17.12	28	3.95	13.53	27.12	18.86	3.10	
8490	0	0	0	0	0	0	0	1.81	0	25.24	0	25.18	0	25.18	0	6.77	9.65	4.71	0	0.74	0	0	34.13	0	18.17	
8520	0	0	4.1	6.3	8	2.8	2.9	15.84	10.25	12.34	0	0	0	0	0	11.42	16.36	32.76	29.51	34.58	0	0	19.05	58.66	0	
8550	15.27	2.05	29.68	0	2.09	0	8.82	0	37.93	0	0	15.65	0	2.1	7.21	6.84	0	22.71	0	11.58	1.57	42.15	0	16.91	7.66	
8580	0	0	10.03	0.46	15.92	0	9.25	0	16.99	10.34	65.71	0	1.64	5.92	0	9.92	6.49	0	21.57	20.44	5.05	0	15.13	0.22	17.74	
8610	0	3.85	1.48	1.24	20.96	0	3.98	14.6	0	29.52	0	8.2	5.94	19.53	0	3.85	0	15.96	0	6.32	0	0	11.6	0	12.44	
8640	0	0	13.86	0	13.94	20.37	0	1.36	34.41																	

Fluid Inclusion Data - Part 2
 Kavik #1
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M/Z

Depth	AMU158	AMU159	AMU160	AMU161	AMU162	AMU163	AMU164	AMU165	AMU166	AMU167	AMU168	AMU169	AMU170	AMU171	AMU172	AMU173	AMU174	AMU175	AMU176	AMU177	AMU178	AMU179	AMU180			
280	0	0	0	0.68	8.25	0.16	6.4	11.63	7.83	0.76	0	0	0	14.12	0	0	1.08	0	4.21	3.62	0.6	81.2	80.8	65.4		
520	7.71	0	0	0.66	1.79	0	0	0	1.27	7.33	0	0	0	0	0	0	0	0	0	0	0.00	81.2	80.8	65.4		
540	0	0	0	0	0	0	11.76	12.62	22.73	17.59	21.11	19.34	21.39	221200	0	0	0	0	0.34	0	0	81.2	80.8	65.4		
760	0	0	2.97	10.07	31.55	67.76	77.07	149.7	161.4	117.4	35.72	44.99	626900	0	0	0	0.04	3.84	0	0	2.27	81.2	80.8	65.4		
900	0	0	0	2.23	25.09	39.75	19.80	67.7	26.85	17.15	28.58	4.04	83910	0	5.65	0	0	0.4	4.49	0	1.28	81.2	80.8	65.4		
1500	0	0	0.04	1.91	7.09	16.07	0	6.57	0	12.26	2.88	2.79	0	0	0	0	1.26	0	2.24	26.33	0.54	81.2	80.8	65.4		
1590	0	0	0	0	5.96	11.34	11.67	0	5.78	4.6	0	0	358800	0	0	0	0	0.74	0	0	0	81.2	80.8	65.4		
1640	6.41	0	0	1.5	0	0	0	11.35	0.02	0	3.14	0	778900	0	0	0	1.07	0	0	0.31	0.73	81.2	80.8	65.4		
1690	0	0	4.25	0	0	16.67	0	28.6	3.64	4.99	1.8	120900	0	0	0	0	0	0.91	2.94	0	0	81.2	80.8	65.4		
1740	4.61	0	0	13.67	8.43	0.01	3.73	1.82	0	0	0	0	944	0	6.85	0	0	0.63	0.59	3.79	0	81.2	80.8	65.4		
1810	2.06	0	1.48	0	0	4.16	0	2.75	0	4.17	0	0	0	0	0	0	0	0.7	0	2.24	0	81.2	80.8	65.4		
1890	0	0	0	0	0	10.25	10.32	4.89	0	11.81	0.77	0	0	0	0	0	1.51	0	0.87	0.11	0.07	81.2	80.8	65.4		
1950	0	0	0	2.17	5.17	9.49	8.77	1.90	3.63	1.57	5.14	6.37	0	0	4.36	0	0	0.17	0	5.43	0	81.2	80.8	65.4		
2010	0	0	0	0	0	0	0	0.63	10.61	0	0	0	0	0	0	0	0	0.24	0.12	2.83	0	81.2	80.8	65.4		
2090	0	0	0	4.8	17.43	0	13.61	8.27	0	0	2.7	5.23	0	0	0	0	0	0	0	0	0	81.2	80.8	65.4		
2100	11.1	0	0	0	0	1.46	12.25	0	6.5	2.24	0	0	0	0	62.9	0	0	0	0.16	0.97	0	81.2	80.8	65.4		
2140	0	0	0	0.99	3.12	1.13	0	2.5	0	0.93	0	4.31	0	0	0	0	1.15	0.07	2.1	2.27	0.12	81.2	80.8	65.4		
2180	0	0	0	9.02	1.8	13.52	2.04	17.41	8.6	11.05	6.13	2.11	0	0	10.84	0	0	0	0	2.63	81.2	80.8	65.4			
2210	1.36	0	1.21	1.5	5.08	0	14.96	1.04	0	0	0	0	2.05	7.89	0	0	0	0.4	0	2.82	2.95	81.2	80.8	65.4		
2270	0	0	0	2.73	0	29.14	0	1.27	8.52	0	0	0	0.59	0	1.52	0	0	0	0.24	4.69	0	81.2	80.8	65.4		
2310	8.91	0	0	0.73	0	2.31	1.26	0	15.1	24.04	8.58	15.62	24	630900	0	0	0	0	0	0.97	0	81.2	80.8	65.4		
2350	0	0	0	0	0	6.22	15.43	25.47	16.15	11.68	9.7	21.81	1163000	0	0	0	0	0	0	0	0	1.79	81.2	80.8	65.4	
2360	22.89	0	0	27.41	68.19	194.4	177.6	247.4	213.8	162.8	183.9	84.27	2891000	0	24.95	0	0	7.9	19.05	0	39.54	81.2	80.8	65.4		
2440	4.12	0	1.68	15.43	65.22	116.3	129.5	186.4	172.7	78.84	32.44	24.34	3485000	0	2.28	0	0	5.14	11.41	29.74	8.6	81.2	80.8	65.4		
2480	26.82	0	1.27	21.07	17.33	12.71	17.95	0.26	90.11	16.92	61.84	21.99	1524000	0	16.56	0	6.04	4.6	6.03	4.6	1.45	81.2	80.8	65.4		
2520	4	0	0	12.31	0	32.18	15.82	49.76	0	17.13	4.75	3.9	191000	0	7.05	0	0	1.69	6.18	15.45	0	81.2	80.8	65.4		
2560	7.34	0	0	4.97	3.06	8.92	26.1	0	38.64	1.82	0	15.2	591100	0	0	0	1.44	0	1.73	0	0	81.2	80.8	65.4		
2590	0.54	0	0	1.94	1.56	30.45	7.19	30.12	13.02	6.85	0	0	127000	0	0	0	1.61	19.74	3.67	10.58	3.43	81.2	80.8	65.4		
2640	0	0	0	11.29	7.01	15.44	3.56	3.22	33.67	41.25	10.78	0	34900	0	0	0	0	0	0	9.59	0	81.2	80.8	65.4		
2680	7.45	0	2.63	7.22	4.01	25.35	0	48.81	54.04	23.78	0	34900	0	0	0	0	0	2.25	11.38	2.75	6.6	81.2	80.8	65.4		
2720	7.42	0	0.4	0	17.87	69.77	6.16	29.17	0	51.04	8.1	7.17	0	0	0.07	0	1.11	1.81	0	0	9.95	0	81.2	80.8	65.4	
2760	32.08	0	0	1.99	12.8	0	5.98	15.24	13.44	19.04	41.14	9.24	0	0	116.8	0	0	0.32	0.34	0	4.67	0	81.2	80.8	65.4	
2800	13.46	0	1.69	31.75	73.08	99.87	116.4	182.1	124	109.7	39.62	42.03	865000	0	0	0	0	0	0	6.56	22.49	16.03	81.2	80.8	65.4	
2830	16.87	0	1.14	31.74	70.1	133.8	149.6	111.1	188.9	95.67	89.31	114.4	734600	0	13.4	0	0	0	0	0	10.04	0	81.2	80.8	65.4	
2870	0	0	0	15.69	61.18	91.03	100.7	210.9	143.9	147.8	10.47	71.9	3459000	0	24.33	0	1.63	11.51	8.29	22.33	18.57	81.2	80.8	65.4		
2920	93.02	0	57.32	18.12	512.9	719	876.2	98.6	1084	891.6	633.1	347.1	12370000	0	40.59	0	4.64	49.07	54.88	155.4	158.8	81.2	80.8	65.4		
2950	66.07	0	2.79	43.3	130.2	248.4	208.4	267.7	278.4	249.1	154	107.4	1336000	0	0	0	0	0	0	12.07	31.24	15.39	81.2	80.8	65.4	
3000	426.5	0	86.06	501.9	1470	3252	3513	47.0	4530	3235	1972	1323	34680000	0	0.44	0	18.06	290.1	375.8	491.7	597.4	81.2	80.8	65.4		
3050	18.04	0	4.27	134.2	44.04	204.3	43.57	98.6	86.82	87.91	43.02	5.62	0	0	0	0	0	1.72	16.96	0	0	81.2	80.8	65.4		
3090	30.3	0	0	77.44	61.64	101.5	147.3	174	112	205.9	77.1	76.2	2786000	0	29.55	0	0	0	0	44.94	13.29	81.2	80.8	65.4		
3130	5.02	0	2.54	11.99	40.8	3.58	94.61	112.7	168.4	141.1	36.5	59.23	576300	0	21.94	0	0	0	1.14	15.5	2.71	81.2	80.8	65.4		
3170	18.72	0	4.42	14.4	81.72	217.1	184	54.9	148.1	157.2	91.89	73.71	80850	0	0	0	0	0	0	30.44	7.41	0	81.2	80.8	65.4	
3220	18.67	0	5.49	16.62	162.6	307.1	330.4	521.4	398.1	227.4	177.5	140	4479000	0	9.41	0	0	1.04	42.73	58.03	34.56	81.2	80.8	65.4		
3260	15.36	0	12.57	13.9	264.9	5.98	430.8	56.7	691.5	343.1	391	88.63	1561000	0	9.61	0	3.74	28.74	68.32	67.94	60.53	81.2	80.8	65.4		
3310	21.7	0	18.56	29.47	157.7	113.9	267.2	160	163.7	106	73.54	59.13	0	0	24.22	0	0	0	35.41	33.77	30.85	45.6	81.2	80.8	65.4	
3370	12.34	0	7.17	10.46	50.82	77.99	50.85	94.04	0	62.22	34.05	21.1	403000	0	0	0	0	0	0	2.21	0	4.99	81.2	80.8	65.4	
3410	0	0	8.94	13.46	0	118.9	84.72	14.41	60.68	0	3.86	30.61	884100	0	6.52	0	0	0	0	1.27	0	5.82	81.2	80.8	65.4	
3440	24.42	0	0	14.28	99.99	102.6	165.7	123.5	143.1	143.1	46.36	56.95	0	0	114.9	0	1.18	42.24	0	9.34	22.12	81.2	80.8	65.4		
3480	0	0	27.28	76.4	176.5	381.9	344.9	740	358.2	455.5	171	132.5	10670000	0	0	0	0	0	4.7	40.13	26.17	13.32	81.2	80.8	65.4	
3520	9.66	0	0	83.53	129.7	128.7	77.3	134.6	222.3	57.34	32.37	894800	0	0	0	0	0	0	0	0	36.15	20.61	81.2	80.8	65.4	
3570	7.57	0	0	42.78	71.08	150.7	143.2	97.4	154.9	120.5	43.95	65.69	2169000	0	0	0	0	0	0	8.14	45.47	21.28	81.2	80.8	65.4	
3610	0	0	7.42	18.14	18.57	61.66	65.07	16	82.59	60.28	73.71	0	439500	0	0	0	0	0	0	10.72	41.09	19.33	14.23	81.2	80.8	65.4
3650	14.37	0	0	10.14	58.87	59.36	40.61	64.44	62.57	44.7	0	31.36	0	0	0	0	0	0	0	5.14	4.17	18.95	0	81.2	80.8	65.4
3690	0	0	4.45	16.19	74.56	63.98	67.25	43.68	22.62	61.75	60.76	77.18	99110	0	0	0	0	0	0	15.7	21.06	56.38	6.83	81.2	80.8	65.4
3740	29.09	0	0	14.85	60.39	181.7	129.5	181.2	188.1	191.2	33.16	42.03	893000	0	0	0	0	0	0	18.88	2.84	27.46	16.42	81.2	80.8	65.4
3810	12.6	0	0	16.89	174.2	362.3	381.5	971.1	233.8	280.7	164.2															

Fluid Inclusion Data - Part 2
 Kavik #1
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Depth	AMU158	AMU159	AMU160	AMU161	AMU162	AMU163	AMU164	AMU165	AMU166	AMU167	AMU168	AMU169	AMU170	AMU171	AMU172	AMU173	AMU174	AMU175	AMU176	AMU177	AMU178	AMU179	AMU180			
4710	0	0	6.10	52.27	295.9	213.5	236.8	257.4	177.2	72.68	91.4	65.26	541700	0	21.77	0	0	21.77	35.28	28.2	60.68	81.2	80.8	65.6		
4730	9.41	0	0	55.31	92.93	116.8	98.27	130.4	179.7	72.1	16.67	0	304700	0	16.41	0	0	1.12	24.84	7.23	6.74	81.2	80.8	65.6		
4750	0	0	3.95	13.92	54.71	80.23	90.34	4.88	96.04	40.57	13.85	53.31	0	0	6.07	0	1.57	14.55	19.6	25.65	21.32	81.2	80.8	65.6		
4770	2	0	2.48	30.25	74.4	105.3	107.6	45.7	81	24.01	45.26	14.78	0	0	3.92	0	15.36	14.69	4.58	43.51	19.85	81.2	80.8	65.6		
4790	0	0	7.46	47.29	83.35	158.4	71.97	164.9	71.57	45.35	30.59	0	0	0	15.66	0	0	0	9.56	1.38	29.11	81.2	80.8	65.6		
4810	0	0	0	40.39	52.21	98.69	26.67	93.56	68.19	73.49	19.51	18.95	127900	0	8.95	0	0	30.43	7.66	38.19	3.62	81.2	80.8	65.6		
4830	2.86	0	0	8.43	62.7	39.43	130.4	59.13	0	0	1.43	11.73	110900	0	0	0	1.63	0	0	0	10.63	0	81.2	80.8	65.6	
4850	0	0	0	0	52.96	59.43	48.22	86.16	18.19	0.84	24.52	0	0	0	20.06	0	0	0	0	0	32.25	0	81.2	80.8	65.6	
4870	0	0	0	0	54.44	111.6	0	0	0.44	15.59	3.85	13.39	730700	0	15.68	0	0.74	0	0	0	0	0	81.2	80.8	65.6	
4880	1.02	0	0	22.78	66.84	12.14	13.88	13.68	0.74	12.5	0	0	60400	0	17.1	0	5.04	0	2.77	11.06	0	81.2	80.8	65.6		
4900	0	0	0	4.2	1.76	33.65	48.1	71.55	21.56	16.93	0	0	148400	0	5.49	0	0	0	0	0	0.89	81.2	80.8	65.6		
4920	2	0	8.84	25.07	44.18	77.76	29.49	86.13	28.88	15.65	22.71	12.16	0	0	0	0	0	0	8.87	20.84	5.54	81.2	80.8	65.6		
4930	0	0	0	3.72	47.06	52.02	88.44	42.08	68.56	76.85	0	0	1315000	0	0	0	2.1	0	2.27	0	12.96	81.2	80.8	65.6		
5020	0	0	3.41	0	25.36	40.09	31.51	64.71	65.41	2.85	26.28	0	0	0	18.75	0	0	0	0	0	0	81.2	80.8	65.6		
5070	0	0	0	0	43.67	48.41	24.12	14.2	12.16	0	7.67	32.87	0	0	0	0	0	0	0	48.84	6.99	81.2	80.8	65.6		
5110	0	0	0	9.57	21.07	20.77	53.13	9.31	0	68.65	0	0	74000	0	11.17	0	0.01	0	0	5.55	0	81.2	80.8	65.6		
5140	22.63	0	13.54	44.16	97.6	140	181	191.4	121	28.71	55.97	0.38	0	0	11.46	0	1.74	30.01	4	4.63	20.51	81.2	80.8	65.6		
5160	0	0	1.69	28.43	24.42	46.51	76.2	0	63.8	32.5	0	0	0	0	0	0	0	3.11	0	0.28	0	81.2	80.8	65.6		
5190	5.06	0	2.05	0	5.12	14.67	0	0	19.72	78.47	2.55	0	0	0	18.65	0	0	19.13	0	9.38	0	3.45	81.2	80.8	65.6	
5220	0	0	0	7.96	6.01	0	0	0	49.47	42.76	26.09	0	0	0	31.97	0	0	5.22	0	13.65	0	1.48	81.2	80.8	65.6	
5250	34.99	0	0	31.59	16.59	18.69	0	0	0	0	0	0	0	0	8.47	0	0	0.72	0	13.59	22.44	81.2	80.8	65.6		
5260	0	0	0.11	5.86	0	80.01	23.92	22.04	0	36.5	6.52	2.72	0	0	7.15	0	0	10.75	0	9.38	6.89	81.2	80.8	65.6		
5310	0	0	1.09	0	5.26	16.57	35.53	0	29.59	19.97	43.35	30.23	0	0	6.37	0	0.74	4.64	8.38	11.55	0	81.2	80.8	65.6		
5340	0	0	2.71	7.19	22.79	25.2	0	0	0	0	0	0	0	0	0	0	0.55	5.67	0	0	9.71	81.2	80.8	65.6		
5370	4.71	0	2.13	12.71	22.2	0	0	23.93	52.85	0	0	0	0	0	3.01	0	0	4.78	7.38	0	4.54	81.2	80.8	65.6		
5400	58.93	0	5.31	0.89	26.34	30.03	12.67	18.12	58.38	0	5.63	0	0	0	1.91	0	0	0	0	17.55	0	0.88	81.2	80.8	65.6	
5430	0	0	0	15.92	18.14	0	0	48.97	51.79	0	0	0	0	0	4.97	0	0.23	2.35	3.89	7.49	0	81.2	80.8	65.6		
5460	70.1	0	0	19.05	83.45	76.39	13.67	46.49	31.14	0	0	0	0	0	6.72	0	0	0	15.32	0	0.44	81.2	80.8	65.6		
5490	7.22	0	0	60.78	111.7	33.32	58.69	61.43	0	20.33	12.84	0	0	0	1.00000	0	48.54	0	0.87	0	14.81	0	2.49	81.2	80.8	65.6
5520	61.74	0	0	4.34	33.44	32.76	42.63	37.31	0	0	0	0	0	0	0	0	0	0.8	0.07	0	3.59	81.2	80.8	65.6		
5550	1.62	0	0	35.75	0	3.56	7.37	28.75	0	0	0	0	0	0	0	0	0	0	2.84	0	0	81.2	80.8	65.6		
5580	0	0	0	55.38	72.74	72.5	134.8	25.45	64.89	0	51.31	20.56	106700	0	5.16	0	2.95	0	2.87	8.29	12.32	81.2	80.8	65.6		
5610	0	0	0	17.34	0.65	23.37	46.65	7.39	2.96	10.96	0	0	0	0	8.67	0	0	0	8.44	0	3.59	81.2	80.8	65.6		
5640	0	0	0	5.11	4.98	74.81	26.88	23.11	0	0	4.2	0	0	0	37.01	0	0	0	0	0	13.73	81.2	80.8	65.6		
5670	38.66	0	12.09	127.6	211.9	284.5	293.3	172.5	241.6	281.5	201.4	80.07	155900	0	5.11	0	1.82	25.89	49.13	70.01	86.86	81.2	80.8	65.6		
5700	0	0	0.64	16.38	65.05	11.01	59.72	39.61	47.48	6.68	0	0	0	0	81.86	0	0	16.36	0	3.96	0	81.2	80.8	65.6		
5730	0	0	0	24.25	17.3	24.64	7.71	18.17	0	0	0	0	0	0	53100	0	0	0	2.83	0.83	4.54	33.61	81.2	80.8	65.6	
5760	0	0	5.04	63.09	48.55	146.6	120.9	89.76	79.64	75.09	0	0	0	0	2110000	0	11.47	0	4.14	0	0	7.05	81.2	80.8	65.6	
5790	0	0	0	0	0	0	0	5.94	0	10.4	44.44	0	0	0	157000	0	5.27	0	1.28	0.97	5.25	0	81.2	80.8	65.6	
5820	0	0	0	2.98	0	0	0	0	0	0	4.69	0	0	0	1.5	0	0	0	0	0	5.26	0.72	81.2	80.8	65.6	
5850	0	0	0	85.68	192.9	363.6	293.8	401.3	318.3	243	141.3	38.39	65300	0	87.72	0	0	0	26.8	54.93	11.36	81.2	80.8	65.6		
5880	0	0	0	0	0	0	18.33	0	12.15	0	9.08	0	0	0	0	0	0	0	0	0	0	81.2	80.8	65.6		
5910	0	0	1.19	3.85	44.22	0	30.82	0	0	0	15.68	0	0	0	167200	0	0	0	0.71	0	0	81.2	80.8	65.6		
5940	0	0	4.03	11.04	5.26	0	60.97	28.42	0	0	0	0	0	0	4.78	0	0	6.14	0	4.08	5.77	81.2	80.8	65.6		
5970	0	0	0	39.98	8.13	0	48	0	11.73	18.81	8.13	0	0	0	0	0	0	0	0	0	0	81.2	80.8	65.6		
6000	0	0	1.34	66.13	263.7	435.1	388.8	530.8	226.8	139.1	124.4	49.37	120000	0	57.88	0	2.63	15.34	9.07	31.73	31.04	81.2	80.8	65.6		
6030	0	0	5.43	27.57	0	24	31.32	28.82	12.76	1.07	10.49	0	0	0	24000	0	0	1.99	0	8.68	0	81.2	80.8	65.6		
6060	0	0	42.21	0	0	4.96	0	0	0	0	0.89	0	0	0	38.51	0	0	0	0	0	4.25	81.2	80.8	65.6		
6090	0	0	19.5	51.47	142.86	83.18	121	53.52	77.64	62.12	45.67	233300	0	29.48	0	0	0	5.58	18.94	33.39	81.2	80.8	65.6			
6120	6.12	0	1.77	1.21	45.54	17.2	6.63	0	0	20.29	45.94	47.99	0	0	0	0	0	0.47	3.45	0	0	81.2	80.8	65.6		
6150	0	0	0	17.71	0	0	4.22	0	0	0	2.37	0	0	0	8.68	0	0.5	4.64	0	0	0	81.2	80.8	65.6		
6180	73.25	0	1.45	12.61	0	0	1.51	54.82	0	0	6.82	0	0	0	29.19	0	4.72	0	2.78	0	0.89	81.2	80.8	65.6		
6210	0	0	0	18.88	0	6.18	7.24	0	4.07	0	0	0	0	0	32.89	0	0.76	10.76	0	0	0	81.2	80.8	65.6		
6240	8.56	0	1.92	0	8.65	0	24.97	0	0.46	0	0	0	0	0	17.23	0	0	1.16	0	0	0	81.2	80.8	65.6		
6270	0	0	0	4.4	0	0	0	0	0	0	0	0	0	0	58700	0	0	0	0	0	0	81.2	80.8	65.6		
6300	0	0	0	0.19	0	0	8.84	0	3.51	0	0	0	0	0	8.71	1111000	0	10.42	0	0	0	6.73	81.2	80.8	65.6	
6330	3.78	0	0	0	0	0	21.73	14.93	3.98	4.05	0	0	0	0	11.07	0	1.66	0	10.07	0	0	81.2	80.8	65.6		
6360	24.85	0	2.01	0.7	4.33	23.79	0	2.19	3.43	0	0.04	68.49	0	0	7.54	0	0	0								

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Depth	AMU158	AMU159	AMU160	AMU161	AMU162	AMU163	AMU164	AMU165	AMU166	AMU167	AMU168	AMU169	AMU170	AMU171	AMU172	AMU173	AMU174	AMU175	AMU176	AMU177	AMU178	AMU179	AMU180		
7080	8.50	0	0	0	0	3.76	0	0	74.03	0	0	14.24	1163000	0	5.8	0	1.45	0	16.88	5.2	0	81.2	80.8	65.0	
7100	4.11	0	0	0	0	2.86	6.72	1.74	0	19.69	3.69	15.78	172000	0	15.9	0	4.94	37.21	52.21	6.2	12.1	81.2	80.8	65.0	
7140	0	0	0	17.1	0	0	1.45	4.36	0	0	0	29660	0	19.7	0	2.99	0	6.75	11.08	12.57	81.2	80.8	65.0		
7170	0	0	11.44	11.82	0	0	0	0	0	16.07	13.9	0	18100	0	59.7	0	1.68	17.09	0.19	46.41	0	81.2	80.8	65.0	
7200	4.33	0	0	0	0	0	13.06	15.08	15.22	25.85	0	71800	0	2.55	0	14.25	19.06	17.55	5.27	27.83	81.2	80.8	65.0		
7220	69.98	0	3.36	17.74	0	0	0	0	0	0	0	21.43	4153000	0	11.5	0	11.49	12.7	17.95	11.91	19.82	81.2	80.8	65.0	
7260	49.3	0	4.17	0	0	42.39	0	13.59	0	10.66	58.1	450000	0	20.91	0	9.57	12.49	18.81	44.22	0	81.2	80.8	65.0		
7280	0	0	0	8.2	0	0	9.91	13.68	64.7	0	0	64110	0	0	0	2.64	4.98	0	0	0	81.2	80.8	65.0		
7320	14.35	0	0	24.59	0.08	0	55.5	12.92	0	2.07	9.19	0	7112000	0	15.95	0	20.45	0	0	30.44	24.26	81.2	80.8	65.0	
7350	8.61	0	10.37	0	0	0	0	0	43.15	0	0	14240	0	21.74	0	0.96	0	0.31	18.83	0.86	81.2	80.8	65.0		
7380	12.26	0	2.09	0	0	14.37	1.19	0	0	0	0	26.8	401000	0	13.93	0	2.95	1.1	0	0	14.94	81.2	80.8	65.0	
7410	0	0	0	14.62	0	33.77	0	287.3	53.39	0	10.27	62.37	0	0	19.12	0	14.72	1.55	0	22.58	40.12	81.2	80.8	65.0	
7440	4.54	0	4.88	0	0	0	0	0	0	0	0	29.28	34000	0	6.9	0	10.78	15.2	20.6	0	1.39	81.2	80.8	65.0	
7470	20.81	0	13.3	70.1	0	18.51	2.85	0	0	31.69	21.86	239	107000	0	88.14	0	11.07	5.46	21.72	61.99	23.29	81.2	80.8	65.0	
7500	197.9	0	9.23	18.74	0	22.68	52.15	41.09	0	77.07	60.49	361.30	0	68.61	0	12.44	15.22	0	16.59	9.22	81.2	80.8	65.0		
7530	38.44	0	9.42	0	0	0	0	4.85	16.21	0	8.54	41300	0	0	0	0	0	0	16.96	0.47	81.2	80.8	65.0		
7560	0	0	16.54	0	2.73	0	0	24.58	0	0	0	0	0	11.55	0	1.62	10.58	0.22	3.33	6.21	81.2	80.8	65.0		
7590	0	0	3.92	0	0	8.57	0	12.79	0	0	16.3100	0	0	8.15	0	0	3.23	8.66	0	39.09	81.2	80.8	65.0		
7620	31.76	0	8.06	11.61	5.67	0	0	12.28	6.49	10.29	47.09	67000	0	25.56	0	0	0	6.87	0	0	8.47	81.2	80.8	65.0	
7650	0	0	0.2	0	0	15.53	20.08	21.34	2.44	0	11.29	0	0	0	0	1.54	0	0	0	0	9.51	81.2	80.8	65.0	
7680	1.48	0	11.2	0	0	52.58	0	12.74	3.88	28.69	18.72	0	0	0	0	0	2.29	2.53	7.06	0	81.2	80.8	65.0		
7700	13.13	0	0	2.89	0	3.53	0	49.42	0	0	0	0	0	27.21	0	2.95	6.14	0	0	0	3.89	81.2	80.8	65.0	
7740	0	0	0.25	9.49	12.56	0	0	18.66	36.45	0	0	0	0	25.58	0	8.53	0	0	0	0	6.22	81.2	80.8	65.0	
7770	21.27	0	10.31	11.75	35.63	1.5	212	18.62	5.19	33.14	85.3	43.37	4319000	0	65.91	0	1.79	20.3	0	11.48	10.86	81.2	80.8	65.0	
7800	35.36	0	7	15.49	11.99	0	0	16.75	8.54	7.92	22.3	215000	0	40.1	0	2.28	8.74	38.66	0	0	81.2	80.8	65.0		
7830	0	0	12.05	38.97	9.87	0	0	42.57	6.02	0	15.18	11.82	260000	0	37.21	0	1.8	14.5	11.1	38.93	26.14	81.2	80.8	65.0	
7860	42.66	0	1.25	0.74	4.76	3.81	0	61.37	0	5.96	19.72	55.02	267000	0	14.11	0	2.59	15.18	13.85	0	10.78	81.2	80.8	65.0	
7890	126	0	4.77	35.11	15	14.04	0	33.06	6.16	0	57.91	61.72	347000	0	57.34	0	0	23.12	23.68	0	13.93	81.2	80.8	65.0	
7920	0	0	0	1.63	0	0	0	11.99	6.02	76.12	4.37	0	0	5.152	0	5.59	9.98	0	26.15	9.01	81.2	80.8	65.0		
7950	278.4	0	12.3	45.02	36.43	55.41	0	11.39	89.7	79.74	170.3	170.2	9166000	0	116.7	0	20.88	45.47	59.41	176.9	135.8	81.2	80.8	65.0	
7980	7.16	0	42.89	2.6	14.92	55.02	2.35	7.01	23.86	36.90	2.6	8.61	313000	0	17.38	0	0	0	20.02	5.91	2.44	81.2	80.8	65.0	
8010	1.53	0	0	0.65	2.25	53.71	10.71	18.11	19.26	43.25	35.98	45.89	1693000	0	72.4	0	0	0	16.88	0	0	81.2	80.8	65.0	
8040	44.72	0	0.47	4.73	0	3.04	1.67	8.09	0	34.81	0	0	0	9.98	270000	0	25.43	0	1.34	0.75	0	81.2	80.8	65.0	
8070	7.76	0	0	5.65	5.03	1.64	13.6	26.12	20.8	0	75.52	19.02	596000	0	19.47	0	0	0	3.2	0.33	0	81.2	80.8	65.0	
8100	0	0	1.05	0	56.25	0	10.38	0	0	0	0	0	0	0	0	0	0	0	6.29	3.25	81.2	80.8	65.0		
8130	9.86	0	0.47	2.07	0	0	1.53	48.45	0	0	0	27.34	0	0	1.82	0	0	0	14.33	0	1.8	81.2	80.8	65.0	
8160	6.07	0	1.56	0	10.96	1.69	3.65	0	4.33	0	0	10.65	0	0	0.85	0	0	2.5	4.67	13.29	41.68	81.2	80.8	65.0	
8190	0	0	9.6	3.86	0	4.94	0	0	11.91	27.45	0	0	0	0	0	0	0	0	0	0	1.92	81.2	80.8	65.0	
8220	24.64	0	5.23	2.35	0	0	2.22	0	0	18.06	0	53.58	479000	0	44.85	0	0	0	0	8.16	1.51	0	81.2	80.8	65.0
8250	35.9	0	3.22	10.04	0	0.98	39.54	0	9.12	8.68	13.05	0	1246000	0	1.36	0	4.27	0	0	9.52	0	81.2	80.8	65.0	
8280	9.07	0	0	6.62	0	0	9.12	44.7	21.68	8.14	0	43500	0	15.1	0	1.14	21.14	10.58	0	21.21	81.2	80.8	65.0		
8310	0	0	0	12.62	0	0	4.39	3.88	0	2.38	0	0	0	0	0	0	4.91	0.69	0	8.79	16.12	81.2	80.8	65.0	
8340	0	0	2.71	0	0	1.77	0.79	5.24	0	0	0	10.52	31900	0	20.53	0	4.67	5.98	0	0.43	6.26	81.2	80.8	65.0	
8370	0	0	4.43	0	0	3.83	3.64	0	0	0	0	0	0	0	0	0	0	0	1.98	3.88	0	81.2	80.8	65.0	
8400	0	0	6.5	0	0	5.67	6.82	0	26.38	0	45.11	0	0	10.79	0	0	0	0	0	0	0	81.2	80.8	65.0	
8430	34.93	0	0	19.36	9.47	9.39	0	46.5	17.89	0	0	212000	0	29.79	0	0	0.19	4.73	0	0	0	81.2	80.8	65.0	
8460	0	0	0.77	34.64	0	1.88	0	0	26.5	0	37.78	0	0	4.12	0	1.6	0	0	21.82	0	81.2	80.8	65.0		
8490	69.62	0	4.49	0.82	3.82	1.58	6.5	0	0.01	23.96	75.43	6.29	0	0	10.56	0	1.12	0	3.45	0	0	81.2	80.8	65.0	
8520	16.59	0	5.39	34.19	2.94	0	0	22.18	26.45	0	7.54	16.67	8167000	0	14.91	0	13.25	0.36	11.65	15.77	15.65	81.2	80.8	65.0	
8550	17.59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.92	81.2	80.8	65.0	
8580	3.61	0	0	0	0	10.9	1.24	50.29	45.51	44.92	18.12	0	0	0	0	0	0	0	0	0	0	81.2	80.8	65.0	
8610	4.78	0	0	8.44	17.6	8.34	0	0	54.19	0	20.5	43840	0	31.43	0	2.12	0	10.43	0	0	0	81.2	80.8	65.0	
8640	18.23	0	0	9.05	2.05	0	0	0	2.73	12.41	0	21.19	215000	0	51.14	0	9.18	0	11.07	2.02	81.2	80.8	65.0		
8680	24.28	0	12.35	1.03	8.84	0	2.45	0	9.64	0	0	59760	0	0	0	0	3.05	3.72	35.03	0	81.2	80.8	65.0		
8710	12.0	0	0	19.18	10.95	14.78	1.5	17.46	1.61	49.73	57.4	29.9	39200	0	0	0	5.2	0	0	10.26	20.11	81.2	80.8	65.0	
8740	0	0	0	0	0	0	0	7.31	0	0	0	8.86	0	0	0	0	4.43	0	9.44	0	0	81.2	80.8	65.0	
8770	18.02	0	0	42.34	0	4.14	0	13.03	23.13	28.22	13.09	0	0	1790000	0	16.7	0	0	3.07	7.38	0	14.61	81.2	80.8	65.0
8800	38.18	0	21.36	4.54	3.65	5.19	0	14.7	0	2.25	0	13.11	214000	0	10.11	0	11.85	4.72	5.89	10.67	81.2	80.8	65.0		
8830	14.89	0	10.35	0	27.41	1.54	0	7.37	4.03	0	18.28														

Fluid Inclusion Data - Part 1
 Kavik #2
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Depth	Total	CO2	H2S	H2S+H2S+C14	4+2	Ar	C2H6/C2H6+C14	C14	C2H6	AcceB/Acd	Benzene	Toluene	60/60+57	78/78+91	Paraffins	57/57+15	AlkNaphth	57/57+55	97/97+91	77/77+71	S2+HCs	CS2+HCs	97/15+97	C5 C13	C6-13/C1-5
230	20180000	6558000	16620	0.01	0	2	0	1899000	6749	2706	3102	935.4	0.33	0.27	5614	0	53.59	0.47	0.12	0.02	1110	124	0.03	4	0.88
470	8016000	2611000	8192	0.01	0	0	0.01	1043000	11550	404.2	1034	591	0.07	0.66	5359	0.01	222.7	0.48	0.48	0.02	838.3	190.3	0.21	4	0.76
710	8195000	2789000	22740	0.03	0	0	0.01	7562000	9987	445.1	384.1	312.9	0.1	0.57	4043	0.01	308.3	0.47	0.71	0.02	0	439.3	0.41	4	0.76
950	5790000	1722000	0	0	0	0	0.01	595600	6932	213.2	426.2	717.8	0.06	0.4	3449	0	0	0.46	0	0.02	0	818.0	0	4	0.94
1190	7156000	2547000	1072	0	0	0	0.01	617700	8332	290.4	650.4	1364	0	0.34	0	0	30.21	0	0.05	0.01	0	263.7	0.05	4	1.01
1430	7342000	1574000	58100	0.06	0	0	0.03	846800	24300	403.6	2786	1639	0.01	0.65	2960	0.03	1262	0.53	0.65	0.02	1852	556.3	1.40	7	1
1670	458000000	718300	27690	0	0	1	0	458300000	9476	367.5	60.54	1055	0.01	0.06	44770	0	712.6	0.63	0.62	0	661.8	0	0	4	0.89
1910	6540000	1356000	0	0	0	0	0.01	6141000	8694	363.8	1388	1939	0.01	0.44	57030	0.03	633.4	0.68	0.44	0.01	482.7	1272	1.03	4	0.95
2150	7078000	2068000	0	0	0	0	0.01	828000	12410	256.2	780.1	1505	0.04	0.36	6430	0.01	151.1	0.88	0.2	0.01	0	292.9	0.18	4	0.89
2390	6849000	1126000	0	0	0	0	0.01	820700	9942	76.56	663.6	916.4	0.02	0.44	4079	0	1014	0.52	0.73	0.02	0	220.4	1.23	4	1.03
2630	7937000	1716000	0	0	0	0	0.02	926200	16870	221.7	1265	1452	0.06	0.48	3744	0	1284	0.42	0.68	0.02	195.4	548.8	1.39	4	0.85
2890	10300000	1767000	0	0	0	0	0.02	819800	15860	419.8	927.5	1665	0.1	0.38	3986	0	341.6	0.3	0.33	0.02	0	1092	0.42	4	0.93
3130	9003000	1685000	0	0	0	0	0.02	1157000	27910	172.9	1585	811.4	0.02	0.68	11220	0.01	449.9	0.55	0.57	0.03	0	627.2	0.39	4	1.03
3370	5900000	1350000	0	0	0	0	0.02	757400	16320	229.7	1776	1086	0.04	0.64	5882	0.01	819.7	0.52	0.65	0.03	30.13	29.58	1.08	4	0.97
3610	8885000	1844000	29580	0.03	0	0	0.02	851200	13810	162.8	1205	2196	0.02	0.37	6767	0.01	407.9	0.44	0.31	0.05	0	1095	1.48	4	0.89
3850	5702000	1438000	0	0	0	0	0.02	573600	9643	312	586.4	389.8	0.06	0.63	5326	0.01	13.41	0	0.08	0.04	532.7	136.8	0.02	4	0.85
4090	5537000	1485000	28880	0.3	0	1	0.18	67450	14900	7.48	1647	356.5	0	0.83	3513	0.05	592.3	0.26	0.8	0.02	0	77.2	7.71	4	0.94
4330	6332000	1357000	0	0	0	0	0.01	768200	11180	383.1	905.2	609.5	0.14	0.62	2908	0	456.5	0	0.64	0.02	0	63.37	0.59	4	1.09
4570	5122000	1225000	0	0	0	0	0.02	605500	11880	64.51	855.2	470.3	0.09	0.66	652.1	0	148.6	0.1	0.43	0.03	215.9	0	0.75	4	0.93
4810	5330000	1165000	0	0	0	0	0.02	597500	12540	264.1	155	514.5	0.08	0.77	2928	0	291.6	0.32	0.58	0.04	231.4	35.7	0.49	4	1.05
5050	7403000	1328000	0	0	0	0	0.03	599600	17170	67.61	147.3	512.6	0.01	0.76	5470	0.01	437.1	0.45	0.67	0.02	0	261.2	0.73	4	0.87
5290	5662000	1366000	12150	0.02	0	0	0.03	570300	19170	204.3	2280	1853	0.03	0.57	7418	0.01	912.8	0.38	0.54	0.03	0	491.4	1.6	4	0.83
5530	5917000	1477000	0	0	0	0	0.02	710400	14720	199.6	1211	1244	0.03	0.51	6148	0.01	96.68	0.49	0.16	0.05	0	757.2	0.14	4	0.94
5770	10620000	2023000	0	0	0	0	0.02	1198000	21660	245.2	1194	361.2	0.04	0.78	6582	0.01	811.1	0.36	0.8	0.02	1470	0	0.51	4	0.89
6010	7979000	2268000	29240	0.04	0	0	0.02	752500	17080	68.92	672.5	0	0.02	0	2702	0	593.1	0.44	0	0.02	237.1	214	0.8	4	0.91
6250	25510000	3329000	0	0	0	1	0.04	3050000	11850	734.5	4008	3047	0.01	0.59	76340	0.02	4298	0.48	0.77	0.01	2803	1937	1.4	7	0.87
6490	8045000	2007000	0	0	0	0	0.03	358300	29450	495	193.5	174.7	0.04	0.73	11310	0.01	773.6	0.45	0.71	0.03	958.7	722	0.81	4	1.03
6730	1646000	1884000	1129	0	0	0	0.01	4011000	29220	302.6	1960	2346	0.02	0.47	13470	0	1880	0.48	0.66	0.03	834.2	1303	0.47	4	1.08
6970	9928000	2308000	24440	0.02	0	1	0.04	960300	38190	891	3380	1717	0.04	0.68	18910	0.01	1310	0.38	0.65	0.03	584.4	144.1	1.36	6	0.94
7210	5777000	1705000	0	0	0	0	0.02	841100	23430	188.9	2622	2294	0.01	0.55	15950	0.01	1066	0.55	0.53	0.03	77.61	763.2	1.13	4	1.01
7450	20960000	6189000	7835	0	0	0	0.07	1735000	142000	688.7	3092	3192	0.02	0.51	42140	0.01	3145	0.51	0.7	0.02	840	1224	1.77	7	0.95
7690	7205000	2681000	16480	0.04	0	1	0.07	383200	28140	415.5	1198	1502	0.02	0.46	17310	0.01	451.7	0.67	0.42	0.01	2170	918.1	1.18	4	1
7930	15020000	1984000	2738	0	0	1	0.04	1148000	47270	426.1	2692	1736	0.01	0.63	47470	0.01	2010	0.51	0.73	0.02	1045	1080	1.75	6	1.07
8170	7716000	1944000	17180	0.07	0	1	0.09	231800	22190	614.5	2271	2435	0.02	0.5	32960	0.17	1775	0.59	0.63	0.01	397.8	964.5	7.59	6	0.94
8410	39565000	2392000	27368	0.04	0	0	0.03	716800	23440	881.6	2494	1383	0.01	0.66	12090	0.14	1919	0.65	0.77	0.01	644.2	4148	2.47	7	1.03
8650	9151000	1984000	15920	0.02	0	0	0.04	847700	36460	1404	3092	1318	0.03	0.77	64540	0.07	2439	0.59	0.81	0.02	0	5882	2.06	7	1.11
8890	16510000	2392000	0	0	0	0	0.05	1527000	87500	4966	6709	5722	0.03	0.56	155200	0.09	5863	0.58	0.71	0.01	826.5	35380	3.83	8	1.24
9130	4092000	2310000	18810	0.04	0	0	0.04	513900	23570	3303	3579	2356	0.06	0.62	53080	0.09	3178	0.59	0.76	0.02	312.8	10860	6.15	7	1.12
9370	12100000	3326000	66590	0.09	0	1	0.04	708000	30250	14890	9438	9837	0.09	0.53	157900	0.18	9634	0.81	0.77	0.01	2176	86650	13.43	10	1.27
9610	21710000	4055000	20580	0.01	0	0	0.06	1874000	117700	5746	8049	7181	0.03	0.55	203000	0.11	10110	0.58	0.77	0.01	451.7	28420	5.37	10	1.25
9850	51320000	6421000	0	0	0	1	0.1	3730000	419300	5616	16580	21770	0.01	0.45	507900	0.12	45300	0.53	0.83	0.01	5427	34840	11.97	12	1.34
10090	5009000	3014000	1308	0	0	2	0.08	3900000	281600	17500	27730	3750	0.03	0.44	822500	0.18	57860	0.49	0.78	0.01	5667	106700	17.79	12	1.41
10330	73790000	8503000	59110	0.01	0	1	0.07	7080000	493600	6381	14530	24410	0.01	0.59	576200	0.08	33910	0.56	0.77	0.01	4081	21160	4.77	12	1.35
10570	152200000	14250000	0	0	0	2	0.05	15200000	849900	16790	43560	92700	0.01	0.34	1168900	0.07	112300	0.54	0.74	0.01	10440	115000	7.33	13	1.53
10810	213600000	17590000	12080	0	0	2	0.04	28910000	1327000	21520	34770	63070	0.02	0.37	901000	0.04	83170	0.54	0.76	0.01	11290	129300	2.87	13	1.44
11050	234100000	17010000	68910	0	0	1	0.05	31380000	1583000	11790	46450	101800	0.01	0.33	1025000	0.03	76190	0.56	0.64	0.01	13960	74340	2.42	13	1.52
11290	31960000	4253000	57030	0.02	0	1	0.07	2940000	211100	7189	6616	12630	0.04	0.36	162400	0.05	13330	0.56	0.71	0.01	4468	9340	4.51	13	1.42
11530	274900000	45100000	19580	0	0	1	0.22	13660000	3775000	44480	149200	290700	0.01	0.35	3166000	0.19	279800	0.57	0.69	0.02	39560	137000	20.03	13	1.6
11770	12150000	2498000	0	0	0	2	0.06	818500	59830	4578	3039	10960	0.03	0.29	169500	0.14	7839	0.62	0.62	0.01	136.4	4367	9.25	11	1.38
12010	16890000	14560000	47450	0	0	1	0.06	16230000	1218000	17570	60400	145000	0.01	0.31	1252000	0.06	160400								

Fluid Inclusion Data - Part 1
Kavik #2
UWI - 5017920030000

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Depth	Total	CO2	H2S	H2SH2S+C1H4	4+2	Air	C2H6/C2H6+C1H4	C1H4	C2H6	AceticAcid	Benzene	Toluene	EtH/60+57	78/78+91	Paraffins57	57/57+1*	AlkNaphth	57/57+55	97/97+91	77/77-71	S2+HCS	CS2+HCS	9/15+97	C5-C13	C6-13/C15
4880	15740000	2298000	0	0	0	2	0.09	383500	36540	647.8	4003	5693	0.02	0.43	32170	0.06	2062	0.52	0.53	0.02	1862	1978	7.41	9	1.34
4900	89710000	14440000	32700	0	0	1	0.07	802000	626700	4881	10970	18920	0.01	0.38	429300	0.07	25940	0.59	0.76	0.01	3151	11230	3.15	12	1.30
4920	28200000	2730000	0	0	0	2	0.04	1494000	62280	259.4	2436	3716	0	0.41	434300	0.23	3688	0.59	0.69	0.01	609	0	2.46	8	1.1
4940	37980000	11370000	0	0	0	1	0.05	2989000	187400	5128	4975	5331	0.06	0.5	82100	0.03	5894	0.56	0.72	0.01	1902	3144	1.97	11	1.31
4960	34680000	9070000	1504	0	0	0	0.04	3415000	150000	5333	6988	10630	0.05	0.41	99470	0.03	8102	0.53	0.68	0.01	2118	4108	2.37	11	1.25
4980	26590000	5330000	0	0	0	0	0.06	2371000	147400	1103	2538	10550	0.02	0.32	20820	0.04	5738	0.53	0.55	0.01	214.5	1713	2.41	12	1.3
5000	40820000	8490000	0	0	0	0	0.07	3844000	270800	3483	7415	8781	0.02	0.53	181700	0.03	11720	0.56	0.8	0.01	2303	2837	3.04	12	1.41
5020	22800000	4013000	22340	0.01	0	0	0.06	2064000	131600	3242	4964	7893	0.03	0.4	97000	0.04	7824	0.53	0.69	0.02	2015	9463	3.70	11	1.25
5040	62520000	5735000	33740	0	0	1	0.06	7648000	502200	3089	4567	17250	0.01	0.22	263200	0.03	13690	0.63	0.64	0.01	3790	6597	1.79	12	1.29
5060	28640000	4071000	8818	0	0	0	0.04	3808000	139100	3368	2447	7821	0.04	0.24	71650	0.02	5404	0.57	0.61	0.01	1018	2182	1.42	12	1.25
5080	14610000	7809000	48660	0.03	0	0	0.04	1661000	76320	773.8	2758	3376	0.02	0.46	34870	0.02	2721	0.54	0.65	0.03	271.1	920.8	1.64	8	1.29
5100	24440000	1786000	59160	0	0	1	0.06	3211000	1871000	9753	58400	114900	0.01	0.35	1112000	0.03	87650	0.57	0.63	0.01	13660	26900	2.7	13	1.49
5120	12360000	2991000	32650	0	0	2	0	0	76720	8073	4331	9741	0.04	0.32	212500	0.03	6855	0.2	0.62	0.04	1489	34020	0	12	1.2
5140	34640000	4855000	20830	0.01	0	1	0.05	3061000	188700	5784	8235	9214	0.04	0.48	150700	0.04	8852	0.54	0.69	0.01	1045	23280	2.41	11	1.33
5160	19500000	2710000	0	0	0	1	0.03	2057000	65130	2066	7596	20220	0.02	0.28	124000	0.06	18180	0.46	0.64	0.02	624.7	3928	7.81	13	1.53
5180	41550000	3891000	0	0	0	1	0.05	5068000	266200	1167	5806	7903	0.01	0.44	143600	0.03	11030	0.57	0.76	0.01	2983	3622	2.17	12	1.4
5200	20620000	2230000	40560	0.02	0	2	0.05	2414000	126400	741.4	2776	708	0.01	0.8	58420	0.02	3655	0.58	0.92	0.02	1676	3285	1.51	11	1.3
5220	18020000	3032000	14890	0.01	0	0	0.03	2353000	74990	522.7	2950	6581	0.02	0.32	32990	0.01	3205	0.58	0.52	0.05	0	2761	1.36	4	1.32
5240	18800000	2218000	11350	0.01	0	1	0.04	1723000	71840	1074	2422	4105	0.03	0.38	37380	0.02	4087	0.5	0.69	0.01	992.6	286.3	2.37	9	1.25
5260	23900000	4196000	0	0	0	1	0.06	2824000	183500	2352	10680	18930	0.01	0.36	218900	0.03	17940	0.51	0.67	0.01	2018	8523	6.32	11	1.44
5280	34550000	7064000	8076	0.01	0	0	0.08	1001000	38870	1226	2343	5122	0.04	0.32	26200	0.03	2425	0.52	0.52	0.02	3298	3298	2.42	8	1.33
5300	16790000	2251000	0	0	0	0	0.06	1105000	72590	537.7	2333	0	0.02	0	30880	0.03	2656	0.52	0	0.02	902.6	2226	2.4	7	1.23
5320	20100000	3790000	0	0	0	1	0.06	1734000	116100	1671	2710	505.9	0.03	0.85	58066	0.03	3599	0.58	0.94	0.01	342	6758	2.07	11	1.35
5340	22690000	3267000	0	0	0	1	0.07	2124000	148400	1320	4758	7364	0.01	0.4	87020	0.03	6123	0.6	0.65	0.01	1585	3177	2.87	11	1.46
5360	11470000	2183000	22530	0.02	0	0	0.04	1349000	61180	690.5	2737	6015	0.02	0.32	34870	0.03	4424	0.48	0.62	0.03	961.3	5324	3.27	11	1.5
5380	38960000	25650000	0	0	0	2	0.04	9983000	45750	2816	1993	1885	0.13	0.4	18330	0.03	3249	0.56	0.81	0	634.4	4997	3.24	4	1.36
5400	22980000	3197000	50910	0.03	0	0	0.04	1978000	71690	740	2214	2364	0.02	0.49	29830	0.01	1994	0.52	0.65	0.02	2593	3529	3.61	10	1.19
5420	30270000	4974000	0	0	0	1	0.05	3468000	173600	3198	4040	19890	0.04	0.29	77550	0.03	7335	0.57	0.56	0.02	0	14530	2.04	12	1.34
5440	10010000	1235000	19730	0.02	0	0	0.03	912600	47030	046.7	1224	362.5	0.04	0.78	21150	0.02	1605	0.69	0.91	0	0	1851	1.76	4	1.33
5460	16410000	2710000	78950	0.04	0	1	0.04	2051000	85600	806.3	3049	4710	0.02	0.4	47310	0.02	3864	0.55	0.65	0.03	488.7	3279	1.80	9	1.3
5480	38000000	4519000	14290	0	0	1	0.07	3562000	285300	1278	6135	12170	0.01	0.34	245400	0.06	20490	0.55	0.79	0.01	1105	5599	5.72	12	1.44
5510	25660000	4643000	0	0	0	0	0.04	2526000	115500	1808	1272	1598	0.04	0.45	42810	0.02	5711	0.6	0.89	0.01	670.9	3344	2.26	11	1.27
5530	11300000	1899000	0	0	0	0	0.04	1183000	50210	228	694	1488	0.02	0.34	13820	0.01	3470	0.9	0.85	0	1015	710.2	2.93	4	1.17
5550	15480000	2759000	5270	0	0	0	0.05	1401000	77830	558.5	2796	2677	0.01	0.52	47110	0.04	5068	0.55	0.61	0.02	2378	1299	3.61	7	1.43
5570	15560000	3285000	16740	0.01	0	0	0.05	1622000	80650	755.9	2774	6717	0.03	0.33	24150	0.01	4320	0.48	0.59	0.03	3262	5753	2.66	11	1.41
5590	20769000	2968000	0	0	0	0	0.08	2816000	135000	99	4576	85390	0.01	0.51	60830	0.03	19400	0.6	0.83	0.01	7023	15300	0.94	13	1.46
5610	49570000	8194000	14190	0	0	0	0.04	5791000	235500	4390	14670	20960	0.02	0.42	230400	0.04	12250	0.56	0.57	0.01	3006	5038	2.11	12	1.37
5630	17830000	4847000	14970	0.01	0	0	0.05	1896000	96470	1565	2899	484.7	0.04	0.86	37980	0.02	2864	0.55	0.92	0.02	1333	1641	1.14	10	1.29
5650	27050000	7915000	0	0	0	2	0.03	3014000	98260	7809	4097	10877	0.11	0.34	65330	0.03	4403	0.57	0.55	0.01	385.1	7323	1.46	12	1.32
5670	30690000	5191000	0	0	0	0	0.04	3422000	139100	2251	12300	10700	0.01	0.54	160900	0.04	8659	0.58	0.64	0.01	1819	5515	2.52	12	1.30
5690	47750000	9174000	0	0	0	0	0.05	3998000	231300	2530	17010	27940	0.01	0.39	396700	0.03	45850	0.47	0.78	0.02	2953	7550	11.34	12	1.41
5710	31730000	4423000	0	0	0	0	0.04	3455000	133700	1707	3651	5274	0.02	0.42	72350	0.02	8451	0.58	0.78	0.01	782.3	2740	2.44	11	1.34
5730	113000000	38760000	376.3	0	0	1	0.08	1320000	116000	8484	26610	85390	0.01	0.33	128000	0.03	19400	0.6	0.83	0.01	7023	15300	0.94	13	1.46
5750	318000000	35150000	11390	0	0	1	0.05	4030000	190300	65130	48550	57670	0.03	0.46	182000	0.04	74020	0.62	0.74	0.01	14950	40720	1.93	13	1.46
5770	17670000	4057000	0	0	0	0	0.04	2453000	85030	686.3	1456	0	0.02	0	41830	0.02	5035	0.56	0	0.01	1036	0	2.33	10	1.23
5790	218000000	38020000	97930	0.01	0	1	0.13	1710000	2588000	45980	31460	50350	0.06	0.39	732400	0.04	41000	0.68	0.64	0.01	17870	36590	2.69	12	1.39
5810	198600000	28190000	0	0	0	2	0.05	3074000	1759000	43310	14920	20410	0.19	0.43	182500	0.01	19190	0.67	0.67	0.01	10620	30820	0.92	12	1.36
5830	319400000	58360000	160400	0.02	0	1	0.21	8029000	2182000	193800	12810	22670	0.44	0.37	242300	0.03	20330	0.68	0.66	0.01	19460	41540	2.53	12	1.3
5850	218900000	41370000	44910	0	0	0	0.05	2972000	1454000	91830	15160	22850	0.29	0.4	219400	0.01	13040	0.69	0.56	0.01	10560	24720	0.44	12	1.38
5880	261400000	18990000	18420	0																					

Fluid Inclusion Data - Part 1
 Kavik #2
 UWI - 5017920003000

Top 280
 Btm 7500

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depth	total	CO2	H2S	H2S+H2S+CH4	4/4+2	Air	C2H6/C2H4	CH4	C2H6	AceticAcid	Benzene	Toluene	60/60+57	78/78+1	Paraffin+57	57/57+15	AlkNaphth	57/57+55	97/97+91	77/77+71	S2+HCs	CS2+HCs	97/15+97	CS-C13	C6-13/C1-5
6410	40110000	6345000	114800		0.03	0	0.05	3920000	185700	895.7	5114	10410	0.01	0.44	91240	0.03	5005	0.56	0.55	0.01	1233	2773	1.51	12	1.27
6430	16870000	4709000	56950		0.03	0	0.02	1871000	44200	876.4	1654	4990	0.04	0.25	21690	0.01	2616	0.57	0.11	0.01	1562	1438	0.14	9	1.2
6450	17310000	5231000	25020		0.01	1	0.02	1942000	42280	518	2707	4665	0.02	0.57	23000	0.01	2135	0.66	0.49	0	983.8	1496	1.09	4	1.42
6470	16330000	4101000	0		0	0	0.02	1708000	43510	794.2	2907	1575	0.03	0.65	21900	0.01	3011	0.52	0.73	0.01	1401	0	0.18	4	1.24
6490	17010000	4122000	17030		0.01	0	0.03	1772000	89640	1450	3914	10750	0.03	0.21	59400	0.01	5154	0.54	0.51	0.02	899.1	2462	2.95	12	1.29
6510	22450000	4445000	0		0	0	0.05	2422000	124800	1282	2981	7422	0.02	0.24	55000	0.02	5000	0.58	0.59	0.01	864.1	1616	2.07	7	1.27
6530	26190000	4915000	0		0	0	0.03	2634000	88760	3359	5262	9333	0.06	0.36	59400	0.02	7895	0.57	0.64	0.01	1734	4076	2.99	11	1.35
6550	18890000	4676000	23140		0.01	0	0.02	2268000	49040	1153	3641	0	0.05	0	20760	0.01	4802	0.51	0	0.02	1558	1670	2.15	4	1.23
6570	16870000	3231000	0		0	0	0.02	2143000	42960	495.4	2231	1391	0.02	0.62	23500	0.01	1326	0.67	0.65	0.04	204.8	456.4	0.57	4	1.26
6590	29480000	3131000	0		0	0	0.02	2020000	49510	907.1	10870	9446	0.01	0.54	126700	0.04	19360	0.51	0.7	0.02	2060	1513	5.05	11	1.4
6610	19850000	5145000	37120		0.02	0	0.02	2323000	49460	967.8	1200	9196	0.03	0.12	25210	0.01	4731	0.59	0.49	0	1011	0	1.8	9	1.06
6630	24070000	4433000	85600		0.03	0	0.02	2033000	44470	7071	2036	4143	0.03	0.33	24600	0.01	728.9	0.43	0.27	0.01	0	0	0.36	4	1.31
6650	16470000	2637000	0		0	0	0.02	1597000	33990	910.3	2952	474.9	0.05	0.86	18590	0.01	2701	0.39	0.52	0.01	1937	1612	1.7	4	1.48
6670	13700000	3305000	0		0	0	0.03	1491000	45850	1134	-	-	0.05	0	22400	0.01	5517	0.46	0	0.03	1219	0	3.69	4	1.16
6690	11670000	3359000	0		0	1	0.02	1275000	28460	2224	2733	6410	0.09	0.3	23700	0.02	1573	0.6	0.31	0.05	709.4	2225	1.08	4	1.01
6710	35080000	1187000	0		0	3	0	11430000	28020	1349	2913	1013	0.05	0.74	24700	0	3401	0.55	0.88	0.01	0	1744	0.3	4	1.19
6730	19260000	3105000	0		0	0	0.02	1959000	36080	424.2	2300	8855	0.02	0.21	18400	0.01	2522	0.63	0.46	0.07	0	890.1	1.81	4	1.33
6750	10930000	2856000	0		0	0	0.02	1236000	30100	378.7	1739	4394	0.02	0.29	15600	0.01	2004	0.55	0.58	0.03	0	67.56	2.34	4	1.12
6770	13690000	5145000	60530		0.05	0	0.03	1240000	37730	672.9	8529	-	0.04	0	17290	0.01	1384	0.47	0	0.02	0	316.7	1.11	4	1.22
6790	49210000	6815000	0		0	1	0.07	5083000	367500	2023	4317	11850	0.01	0.21	149600	0.03	4677	0.61	0.04	0.04	2732	10380	1.35	12	1.21
6810	26590000	5126000	0		0	1	0.02	3504000	80400	2881	4519	5246	0.05	0.46	53000	0.01	2988	0.54	0.62	0.01	1254	5255	1.14	11	1.36
6830	41950000	5213000	46420		0.01	1	0.04	4973000	216900	1902	4337	12550	0.02	0.26	110500	0.02	6083	0.6	0.51	0	2071	2478	1.22	10	1.29
6850	68100000	4564000	20790		0	1	0.04	9220000	422300	1961	3542	7845	0.02	0.31	102000	0.01	6413	0.71	0.63	0.01	2270	8801	0.7	11	1.22
6870	41170000	6372000	9882		0	1	0.06	4327000	270800	2018	3937	8908	0.02	0.31	106600	0.02	4000	0.65	0.49	0.02	656.8	3394	0.95	12	1.27
6890	31890000	4988000	24480		0.01	0	0.02	4475000	80250	2580	4386	5175	0.03	0.46	71400	0.02	4721	0.6	0.67	0.01	1646	333.8	1.1	10	1.16
6910	17010000	6147000	18580		0.01	0	0.01	1858000	23870	855.7	3697	3987	0.06	0.48	13000	0.01	4232	0.62	0.69	0.04	0	0	2.27	4	1.15
6930	30960000	1241000	2706		0	1	0.02	2718000	48070	4807	3608	5507	0.11	0.21	15610	0.01	2181	0.36	0.52	0.03	262	5768	1.03	4	1.14
6950	15620000	4655000	0		0	0	0.02	1709000	29170	1262	2307	3621	0.49	0.35	1330	0	1871	0	0	0	647.9	4276	1.04	4	1.15
6970	85440000	1547000	1570		0	0	0.06	7143000	472500	5577	20190	26490	0.01	0.43	467400	0.06	38170	0.56	0.75	0.01	4975	11210	5.32	12	1.37
6990	12930000	2667000	76300		0.01	0	0.05	12970000	686500	13530	27700	52290	0.02	0.34	613400	0.05	17500	0.53	0.7	0.01	7879	41210	4.41	12	1.42
7010	55730000	15540000	39440		0.01	0	0.03	5564000	146800	6791	11450	12670	0.03	0.47	221000	0.04	12550	0.58	0.68	0.01	4133	6124	2.25	11	1.25
7030	88260000	2647000	5396		0	0	0.03	9009000	257200	8859	9801	17660	0.05	0.32	181000	0.02	14110	0.6	0.63	0.01	2196	11170	1.56	11	1.27
7050	18000000	10440000	8967		0.01	0	0.02	1067000	21580	1829	1024	4862	0.19	0.17	7678	0.01	8073	0.46	0.01	0	0	440.4	0.03	4	0.95
7070	22380000	1074000	2706		0	1	0.03	1706000	51200	1636	1280	2266	0.08	0.16	19570	0.01	2183	0.59	0.66	0.02	366	4027	1.21	4	1.22
7090	19670000	1288000	26350		0.04	1	0.02	713300	11230	1223	1666	3405	0.13	0.14	7400	0.01	4950	0.41	0.75	0.03	0	1037	6.88	4	1.03
7100	29110000	12960000	15910		0.01	1	0.02	2377000	80470	2447	3775	7826	0.11	0.33	19000	0.01	3096	0.64	0.45	0.02	611.4	1207	1.3	4	1.02
7110	32900000	8881000	50470		0.01	0	0.02	3800000	82170	4647	2968	8153	0.13	0.26	32300	0.01	4507	0.58	0.54	0.02	0	18350	1.21	4	1.16
7130	33490000	5196000	0		0	2	0.05	3731000	188300	808.8	4328	6494	0.01	0.4	88120	0.02	4112	0.64	0.57	0.01	2641	2777	1.1	9	1.12
7140	13670000	3664000	23300		0.01	0	0.01	1716000	22960	421.7	4937	9376	0.04	0.34	11020	0.01	3228	0.52	0.1	0.03	713.1	2667	0.3	4	1.19
7160	16250000	3803000	0		0	1	0.05	456600	22430	513.4	1581	-	0.05	0	18000	0.01	0	0.5	0	0	1912	1079	0	4	1.02
7170	57350000	1068000	0		0	0	0.04	8310000	271800	1896	13140	7370	0.01	0.64	207100	0.01	12760	0.62	0.78	0.01	2173	4299	2.02	12	1.39
7180	25120000	4462000	0		0	2	0.01	3553000	39620	1392	4530	8213	0.04	0.35	20250	0.01	1529	0.61	0.29	0	0	3609	0.44	4	1.52
7200	24780000	5073000	0		0	0	0.02	2264000	35210	1614	2903	6006	0.07	0.32	22400	0.01	2174	0.58	0.52	0.01	1113	2244	1.4	4	1.2
7220	51530000	958000	0		0	0	0.02	7099000	134500	3594	3469	4998	0.09	0.41	34680	0	4100	0.62	0.63	0.01	0	4611	0.58	4	1.29
7240	17160000	5211000	0		0	2	0.01	1891000	21710	1314	1401	500.5	0.09	0.73	12630	0.01	1509	0.56	0.87	0	1407	1012	0.83	4	1.21
7260	38610000	6063000	0		0	0	0.01	6118000	65170	2462	2649	9362	0.07	0.23	32150	0.01	3939	0.67	0.47	0.01	1909	1645	0.64	9	1.22
7280	13630000	3613000	61080		0.04	0	0.02	1612000	32820	1326	1808	-	0.05	0	25500	0.02	855.4	0.52	0	0.01	0	2488	0.41	4	1.11
7300	11940000	4218000	0		0	0	0.03	1069000	27890	1158	3524	6163	0.09	0.36	12240	0.01	3460	0.63	0.51	0.03	312	2615	2.86	4	1.06
7320	23270000	6744000	44020		0.02	0	0.02	1857000	41620	2661	2666	5566	0.11	0.35	23820	0.01	2508	0.55	0.48	0	1276	0	1.35	4	1.24
7340	32730000	6381000	49480		0	1	0.14	2639000	423200	23170	60890	78760	0.01	0.43	198000	0.07	103000	0.6	0.73	0.01	16730	48320	3.9	13	1.38
7360	23830000	5672000	0		0	2	0.01	2110000	28950	1039</															

Fluid Inclusion Data - Part 2
 Hawk #2
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MWZ

Depth	AMU34	AMU35	AMU36	AMU37	AMU38	AMU39	AMU40	AMU41	AMU42	AMU43	AMU44	AMU45	AMU46	AMU47	AMU48	AMU49	AMU50	AMU51	AMU52	AMU53	AMU54	AMU55	AMU56	AMU57	AMU58	AMU59	AMU60	AMU61	AMU62	AMU63	AMU64	AMU65	AMU66	
230	6463	16620	3098	1914	478.5	1703	13670	18500	27990	15680	151700	658800	128600	15470	224.1	996.5	2447	151.8	4041	0	6290	3601	5614	2110	1803	2706	40.66	238.6	215	1110	518.3			
470	0	8192	218.6	1690	1257	1847	18984	3448	30460	12370	82250	261100	4240	6863	6.93	6121	3744	6024	3267	0	5346	5975	5705	2874	5359	1275	0	404.2	0	74.34	81.85	838.9	506.4	
710	11240	22740	0	739.8	1410	1021	13930	4918	33980	16770	76980	218800	4440	3554	0	0	46.5	4.2	710.2	0	5312	6719	4503	1787	4043	1026	0	445.1	0	42.6	126.2	0	193.6	
960	9612	0	0	0	372.3	601.4	11470	5762	24530	11380	47770	172900	34160	0	0	0	165.5	4901	6216	3161	2625	5223	3669	3104	3449	2009	0	213.2	39.2	87.76	580.4	0	24.87	
1150	0	1072	0	157.5	107.6	1247	13570	5644	24540	9834	65770	254700	40320	0	0	555.4	5299	389	423	4746	7021	7690	3727	897.6	0	301.9	0	290.4	75.01	310	144.1	0	264.3	
1430	14150	58100	1360	0	3670	8009	68810	15610	138100	75490	185100	157400	28560	10070	0	0	3263	8768	7187	11570	12970	25900	25550	29656	5056	349.5	403.4	150.1	448	526.8	1852	963.5	0	
1610	16540	27690	0	10.1	3257	12230	90850	22380	188500	104300	368300	718300	26740	3620	0	0	5793	9854	6755	11050	11050	28500	27120	44770	6480	949.7	367.5	462.4	571.2	443.7	681.9	851.8	0	
1970	3080	0	0	292.5	4174	13170	338500	22800	227700	147300	336500	1356900	28430	0	0	0	543	713	1544	1788	11050	26460	31900	57000	7500	6504	3962	363.8	176.1	733.7	666.1	462.7	730.9	0
2150	0	0	0	1445	2882	1935	21220	8294	35620	18460	7320	206800	37600	0	0	0	819	545	1093	11820	11820	1712	909.9	3815	6430	1255	0	256.2	0	292.7	92.23	0	631.4	0
2340	5876	0	0	0	1770	3353	24070	24410	11040	45750	112600	26900	9115	0	0	0	5390	2990	62.7	0	5188	6252	6097	4079	2129	0	76.56	20.78	74.34	275.5	0	331.9	0	
2610	0	0	0	1683	336.1	5530	6094	37450	16250	56990	117600	20480	4487	0	0	547	705.6	3858	7409	42.7	5878	3463	5070	3632	3744	1756	0	221.7	0	221.7	69.54	154.2	212.7	331.6
2890	8456	0	0	1400	2244	22440	3243	35400	10830	57140	176700	37780	7296	3412	14.38	0	0	716.5	4728	0	1487	8368	4896	3866	1278	3171	419.6	55.33	91.33	172.9	0	196.6	0	
2950	1872	0	0	2771	2209	6595	48710	12470	76920	34190	105200	166900	42100	0	0	0	5725	2951	2999	3424	1022	1487	9355	12750	11220	2639	4241	172	94	40.06	144.9	367.1	0	613.3
2980	1872	0	0	2172	184.6	1009	1656	24370	7125	43020	21680	62840	135000	24520	0	0	5727	3659	4298	1754	6185	7311	5463	6509	5882	353.5	0	229.7	63.37	181.2	233.3	30.13	506.7	
2990	3178	29580	1379	0	749.2	2466	21180	4411	39070	10700	59730	118400	22370	4907	0	0	1481	999	4968	12.7	2781	3601	8677	5543	6787	1416	0	162.8	86.57	299.7	241.3	0	352.9	
3000	0	0	0	89.11	800.3	2128	16150	7294	27390	12420	52870	143800	31770	6168	1411	5610	2268	6104	4337	0	2746	4189	0	526.9	5326	1851	4415	312	5.65	0	92.19	532.7	256.6	
3420	4058	0	0	801	1573	1234	1507	25850	9117	41390	19590	57520	114700	29510	0	0	1497	853	944	0	5786	2704	9789	3743	3513	1657	1834	748	0	484.5	187.6	0	366.6	
3460	11060	0	0	933.1	2234	3034	15750	8585	28840	13580	50120	136700	75700	41180	0	0	1453	1738	1978	940.4	6737	4023	11660	6064	8552	910.7	0	245.2	122.5	220.7	290	1470	458	0
3240	2956	0	0	1397	84.23	622.5	1064	13160	5936	24720	10300	41740	122500	30000	0	0	0	4277	2967	4984	5117	8503	5634	4056	652.1	0	0	64.51	52.13	74.1	380.3	215.9	249.8	
3300	3516	0	0	714.3	0	1613	2546	18780	11120	33830	14780	61430	118900	37830	5223	0	0	3477	1070	2427	6689	6576	6438	5237	2928	1171	0	264.7	19.43	174.3	192.6	234.4	462.5	
3340	0	0	0	769.8	1227	3271	22710	8184	41500	21900	59380	139000	27090	5377	0	0	1844	3219	3564	4399	5617	7778	6651	6557	5470	1040	24010	67.61	108.7	321.4	535.4	0	238.5	
3380	0	12150	72.15	623.8	710.4	2951	13720	9943	53316	29780	80270	136000	18270	4597	5.04	0	5418	5254	7667	66.11	5288	7188	12308	9554	7418	1870	0	204.3	129.2	421.9	380.9	0	270.9	
3420	4058	0	0	801	1573	1234	1507	25850	9117	41390	19590	57520	114700	29510	0	0	1497	853	944	0	5786	2704	9789	3743	3513	1657	1834	748	0	484.5	187.6	0	366.6	
3460	11060	0	0	1397	84.23	622.5	1064	13160	5936	24720	10300	41740	122500	30000	0	0	0	4277	2967	4984	5117	8503	5634	4056	652.1	0	0	64.51	52.13	74.1	380.3	215.9	249.8	
3500	3516	0	0	714.3	0	1613	2546	18780	11120	33830	14780	61430	118900	37830	5223	0	0	3477	1070	2427	6689	6576	6438	5237	2928	1171	0	264.7	19.43	174.3	192.6	234.4	462.5	
3540	2366	0	0	39.97	1589	16980	37160	209900	44320	338980	177000	506400	332000	80130	2247	914	7651	10906	14230	11920	11920	14230	5276	83710	71890	76340	16660	8744	734.5	638.6	1130	1579	2303	2506
3580	6646	0	0	577.8	1801	5016	3250	4920	4920	9370	9400	20000	51120	0	0	0	1027	4271	5364	5047	6719	8710	4400	8369	11310	2292	2726	495	22.85	170.8	277.9	568.7	800	
3620	245.1	1129	1215	0	684.8	5123	44160	13740	7600	39290	39500	229400	60790	1601	0	0	6281	0	1061	113	0	6090	8978	14520	14020	13470	2127	0	302.6	161.8	369.9	289.2	834.2	1354
3660	2261	24440	0	86.9	4391	10640	70335	16240	127300	60810	176700	290800	73910	5983	9241	210	441.7	7.60	3008	15674	6348	7555	33480	28490	18010	4618	4420	891	99.66	533.7	626	584.4	891.1	0
3700	5895	0	0	574.4	1270	2160	3077	34490	10440	80110	39632	31950	78000	38000	4451	471	611.6	179.1	2416	5706	1271.5	8699	10370	13260	18370	15550	1887	2907	1889	51.34	276.2	487.7	77.61	1030
3740	11200	7835	0	0	7760	25060	145200	32050	224500	118900	358800	618900	156300	10290	940	0	4192	11119	11459	15960	14810	14050	40570	44100	42140	9965	1017	6687	311.1	823.2	1072	840	2338	
3780	328.4	16440	0	821.2	1588	4297	47130	9910	74470	32490	68580	268100	64650	0	0	720.9	512.9	306.7	0	3.61	9602	9810	10270	8688	14650	17310	3553	0	415.5	29.7	190.5	2170	771.8	
3820	0	2738	0	0	1383	6501	16810	120400	25650	220700	116600	291000	188400	45880	0	0	1187	2966	10170	8912	1490	9995	14300	46220	48150	47470	10380	2396	426.1	174.9	936.2	1218	1047	2404
3860	6030	17180	1369	1581	3087	8562	95130	20960	139400	77750	191400	45600	45900	532.7	0	0	4911	8945	527.4	10740	6744	5907	22340	23550	32380	4749	0	614.5						

Fluid Inclusion Data - Part 2
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Depth	AMU34	AMU35	AMU36	AMU37	AMU38	AMU39	AMU40	AMU41	AMU42	AMU43	AMU44	AMU45	AMU46	AMU47	AMU48	AMU49	AMU50	AMU51	AMU52	AMU53	AMU54	AMU55	AMU56	AMU57	AMU58	AMU59	AMU60	AMU61	AMU62	AMU63	AMU64	AMU65	AMU66		
4900	30680	32780	1356	12610	84310	188300	928600	216600	1670000	707000	2927000	14448000	457800	27970	1398	6686	9243	44120	59180	303600	324400	429300	300360	83500	309360	4881	1111	1616	6604	3151	11550				
4920	32320	0	0	12240	85880	191000	89130	214900	308700	110000	59570	2730000	459400	21290	1996	7218	7486	35460	60020	31550	81900	62000	304660	434300	84090	38720	2554	1569	609	1739					
4940	0	0	0	906.5	12530	35770	197000	49160	332300	173500	508700	1579000	263800	34620	3804	7616	9011	6192	21990	7537	64620	70680	81100	16390	22810	5120	111	170	1292	1900	2802				
4960	21980	1504	489.1	1767	15570	37000	216500	44920	371200	110100	800700	307000	193800	18460	11	2555	9155	5061	17100	24110	143200	7015	89500	83200	99470	16260	16010	5333	1111	344	2033	2118	5108		
4980	0	0	0	2952	16100	34260	391100	43540	291100	151100	465400	533000	331000	11120	2224	3043	6918	6462	1874	1129	7731	4311	64050	56990	70820	16280	1408	1103	1423	1500	1514	214.5	1357		
5000	0	0	0	3160	37370	71370	391000	87400	624400	344000	106900	849000	295500	18130	1607	4800	11770	18790	1492	2230	10770	14290	160700	181700	37370	22930	3483	4745	0	773.8	1111	2004	3771	2303	6546
5020	10230	22340	2172	2490	12970	32810	211400	42480	263000	126200	546000	4013000	98850	3393	521	1438	7849	7523	9117	11660	16230	16880	86970	87280	97000	17360	5549	3242	1197	1730	2015	4334			
5040	17790	33740	0	6591	46760	114700	530400	134200	904900	499400	1517900	573500	226300	0	647	8565	9772	24110	38900	52447	11430	156800	48290	25940	3089	2010	1111	1111	3479	3079	5019	5187			
5060	1388	8818	0	0	12980	37590	41550	285500	174000	460000	407100	54790	0	1211	1	3707	9701	7353	20110	13720	9891	53220	59670	71460	12970	5381	3988	1111	1111	1357	1018	2189			
5080	13165	40860	520.1	889.7	4873	87190	18350	146110	75110	207400	280800	68010	2535	0	1427	2084	8522	8211	18480	1848	7024	22700	27300	34830	4745	0	773.8	1111	2004	3771	2303	6546			
5100	25660	59160	229.1	26550	179400	396900	1892000	507500	3541000	6113000	6113000	1786000	81810	20870	1171	13020	15880	105590	134100	90900	150400	158100	846800	94700	112000	18070	9753	2008	21740	13660	44250				
5120	23680	32650	0	25290	180100	392200	241900	506100	240000	181400	357100	2691000	829900	32440	1110	10830	20980	105400	134100	91800	150300	152330	832500	311000	212500	19710	85190	8073	1111	1111	764.6	1469	3381		
5140	15910	20830	466.5	591	27900	61310	203000	77420	210000	208000	852300	4855000	135600	0	0	2262	7438	16160	16110	18520	26700	30990	126300	129000	150700	29320	10620	5784	1111	1111	2765	1045	5779		
5160	1114	0	0	503.8	2621	9667	30440	195000	48700	369900	211200	529100	63690	6022	1133	3651	4045	15108	11380	9314	11380	24140	144900	135400	124000	14750	2192	2006	1111	1111	3294	624.7	7309		
5180	20350	0	0	503	25770	62410	318400	81520	535400	245000	389100	131400	0	0	7831	2571	3410	10660	17630	24300	5990	108500	116800	143600	26150	23570	1167	1111	1111	3062	2963	6116			
5200	3019	40560	0	1136	10540	25480	149320	37670	226600	129400	383500	223000	73650	0	0	2815	6245	9403	26220	6400	8070	42510	58060	15540	16610	1610	1610	1084	167.7	342	1075				
5220	0	14690	1659	2220	3682	14850	8470	26660	126600	14830	205400	303200	86810	4132	4958	5086	0	2444	1638	9181	3638	17160	23790	29520	32990	4303	4791	5227	7708	441.4	0	941.1			
5240	2710	11350	0	0	4229	4756	13910	90080	25690	159600	227100	221800	66960	3166	0	1871	5810	8908	7509	10230	3638	14450	37950	34120	3790	6056	0	1074	1111	1111	711.7	992.6	1982		
5260	2001	0	0	2109	27770	66100	356300	50240	857900	388800	997900	4096000	122500	0	865.8	8571	8294	20890	28974	17940	37620	3670	207200	223000	218800	31070	14890	2932	1111	1111	5753	2018	8428		
5280	10450	8076	0	0	2294	5162	54160	14720	105700	40080	150500	206400	47610	2438	0	0	6507	4777	8142	2489	251.5	1483	23930	22580	26200	2847	0	1220	114	1111	647.6	122.2	1251		
5300	5970	0	1432	826.9	6737	14030	99720	20330	156000	38470	245000	225100	55490	0	0	1999	2060	6471	1917	3971	8538	1182	21690	29660	30080	6159	384.6	599.7	1111	1111	753.3	902.6	1825		
5320	0	0	0	999.8	12970	33820	170800	40850	252500	140900	492000	370000	106800	0	0	0	2815	6245	9403	26220	6400	8070	42510	58060	15540	16610	1610	1084	167.7	342	1075				
5340	1616	0	0	0	11940	34480	187000	41590	291900	154190	445800	3267000	97380	0	1614	6844	5759	12384	14100	3913	9148	0	58850	65800	87020	13700	17330	1320	1111	1111	1884	1718	1985	3181	
5360	0	22530	911.8	301.5	2994	9725	74180	18890	134100	64810	198600	218300	72990	0	0	1040	0	0	1607.8	18490	4111	0	37330	36890	34870	5515	7788	6850	1111	1111	674.6	140	961.3	1710	
5380	0	0	0	5501	2757	5921	42520	23850	80140	38740	416500	2665000	610300	116500	0	2319	5910	6831	6325	0	0	7368	14360	16010	16010	3382	0	2816	1111	1111	443.6	740	964.4	1174	
5400	1417	50910	977.6	0	3047	8630	29970	22290	137300	67400	175300	3197000	84360	2800	478	1038	7157	5332	7359	17970	4198	8541	24120	26210	29830	4721	6103	740	1111	1111	603.1	638.3	2593	581.8	
5420	8802	0	1973	4107	21150	41500	244600	52290	374400	204900	464300	497400	117100	0	0	6783	7596	6474	12110	3710	16300	962	58040	61460	73550	21330	3198	487.1	1017	1460	0	2490			
5440	3019	40560	0	0	1136	10540	25480	149320	37670	226600	129400	383500	73650	0	0	0	2815	6245	9403	26220	6400	8070	42510	58060	15540	16610	1610	1084	167.7	342	1075				
5460	19500	78950	1100	85.54	5564	16650	105900	22920	181600	90340	295800	271000	70550	16500	0	0	5403	6030	11290	9975	12100	14290	39330	41580	47310	6930	0	886.3	193.1	640.7	821.3	468.7	1557		
5480	41820	14290	511.5	5416	39630	91690	46470	118200	78310	432610	1405000	155700	0	0	0	7099	8990	7960	29000	19710	19710	19710	245400	42970	17790	1278	1032	3010	610	481.5	1105	6990			
5500	0	0	0	1612	0	6909	19300	115800	26510	180200	29880	484300	117000	10420	0	0	6816	7418	6721	10180	2012	0	28030	31560	42610	6226	14400	1880	307.8	522.5	550.9	670.9	1917		
5520	4833	0	0	802.6	0	7192	4931	36980	16290	56340	23340	189900	47370	3060	0	0	0	7111	2709	4651	2917	124	1498	6236	13820	2662	0	270	99.31	213.4	497.1	1012	2883		
5540	1670	0	0	1604	4801	12740	92510	22920	160860	81140	26500	275900	79430	8106	0	440.4	0	1899	3483	0	4029	13240	38420	41590	47110	5591	0	558.3	487.8	785.3	964.4	2376	1833		
5560	14470	16740	1491	415.6	2887																														

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Depth	AMU67	AMU68	AMU69	AMU70	AMU71	AMU72	AMU73	AMU74	AMU75	AMU76	AMU77	AMU78	AMU79	AMU80	AMU81	AMU82	AMU83	AMU84	AMU85	AMU86	AMU87	AMU88	AMU89	AMU90	AMU91	AMU92	AMU93	AMU94	AMU95	AMU96	AMU97	AMU98	AMU99	AMU100		
4850	14820	39430	40640	30960	85150	76880	32360	2340	1612	1110	11230	11760	10970	8218	8742	21730	31180	50110	61390	28340	4555	719	114	214	2063	18920	5062	1140	3125	9232	27120	20940	19610	4905		
4920	1045	7005	4232	8568	6888	7195	1947	292.0	294.2	82.49	0	1598	2436	592.7	2435	2332	3244	6298	4915	2341	346.7	85.96	825.7	1044	0	331.9	2308	5331	2778	663.5	3059	3072	3661	4894	4001	1474
4940	1920	5245	8927	20470	17300	16380	4934	395	812.17	355.2	3144	3910	4375	938.3	5202	6200	8043	13410	13099	6062	1891	98.11	0	0	0	5927.3	3359	10630	4814	1498	1377	4857	5816	5304	1842	
4960	5080	14590	12650	24530	20120	21730	7188	852.1	856.2	344.6	4108	4151	6998	3424	2173	3824	11230	17470	15970	9214	2261	181.4	0	0	0	1065.0	2802	890.7	7370	2459	7177	5738	4333	6708		
4980	4788	6849	837	15900	12280	11310	4155	283.2	345.4	0	1213	1783	2558	1449	2465	4116	8124	11630	9115	6184	1448	136.5	0	0	0	0	0	0	0	0	0	0	0	0		
5000	6505	17710	16110	14750	33070	36400	13300	1405	670.8	503.2	2837	6439	4964	6338	1165	10660	14540	20960	28150	5044	421.5	2013	1234	0	0	0	0	0	0	0	0	0	0	0		
5020	7157	15089	12300	28410	21560	19370	6837	686.4	790.8	475.1	9463	7170	4964	2605	2929	8066	10610	18130	15090	9211	2704	141.8	0	106.4	0	0	0	0	0	0	0	0	0	0		
5040	8528	17390	22540	37090	33970	53890	18210	1412	0	0	6587	6702	4507	3965	4293	9751	10820	20580	23720	18340	640	474.6	0	0	0	0	0	0	0	0	0	0	0	0		
5060	2996	7744	7299	14670	13310	14160	5128	361.4	35.4	880.4	2182	1700	2447	2055	1282	7227	4447	11881	8998	6843	1241	54	555.2	357.9	0	0	0	0	0	0	0	0	0	0		
5080	1239	4544	5946	7870	7479	5762	2120	119.3	158.6	588	920.8	3189	2758	1025	3148	4821	4123	4668	4705	3765	347	0	2710	0	0	0	0	0	0	0	0	0	0	0		
5100	44130	125300	192500	379000	313500	312000	90710	7606	474	513.2	26800	49440	58400	27450	27200	64450	116100	232600	249100	148200	99170	2870	0	0	0	0	0	0	0	0	0	0	0	0		
5120	4748	9234	6020	14150	14710	9320	2641	444.7	438.7	869.5	34620	5735	4331	2884	2152	5899	9952	9580	3856	6817	1835	17.41	0	42.6	965.0	3741	3775	1077	540	3838	6173	6895	2582	1597		
5140	9116	15690	17220	34290	25990	23950	10630	1031	686	365	23290	4659	8236	4228	2763	7625	10410	20790	24010	9769	7151	1914	0	661.1	0	0	0	0	0	0	0	0	0	0		
5160	8910	30950	27220	52250	42110	35330	7890	816.3	1813	1366	3928	13560	5939	6235	6623	12210	27510	41610	39020	15790	4133	514.3	0	0	0	0	0	0	0	0	0	0	0	0		
5180	9612	18240	19250	36070	31440	27430	9674	834.4	944.2	581.4	3622	4810	5696	3153	3192	5810	11940	21020	21110	9127	74.6	211.1	0	0	0	0	0	0	0	0	0	0	0	0		
5200	1800	6071	5154	11110	9331	10330	2679	366.2	505.9	0	3285	2748	2776	1733	1815	4461	6213	8633	6702	4717	990	27.8	0	0	0	0	0	0	0	0	0	0	0	0		
5220	5578	3224	4037	5873	4921	5211	1700	103.8	290.1	0	2781	4927	2950	184.8	2314	2781	2845	4761	2490	7611	540.4	0	0	0	0	0	0	0	0	0	0	0	0	0		
5240	3019	7300	6865	11190	9449	12020	1886	314.3	291	0	266.3	2173	2422	2131	3146	2722	7675	6948	6190	3236	1030	67.77	0	983.6	0	0	0	0	0	0	0	0	0	0		
5260	12470	28640	27170	68430	53540	47030	14000	1399.2	1103	1303	8523	11610	10680	6262	9140	19070	30560	48140	44360	22240	7767	6197	1207	735.4	1234	19930	6295	1360	3600	7691	16290	17940	16220	5050		
5280	2218	5316	5223	7451	5927	5991	1304	88.07	680.5	0	3298	4173	2343	540.9	1668	2746	4186	6808	5378	2544	1659	95.55	1992	0	0	0	0	0	0	0	0	0	0	0		
5300	3117	5402	4312	7647	7673	9310	2200	415.6	387.8	0	2226	2696	2353	722.8	4133	4274	4811	7334	5273	223	84.7	57.98	0	0	0	0	0	0	0	0	0	0	0	0		
5320	4785	8257	5902	10400	9476	9877	3793	268.1	238.6	137.7	6750	2255	2710	1313	3769	4114	5378	6117	8407	4610	120	16.72	2189	1249	0	0	0	0	0	0	0	0	0	0		
5340	4761	11260	9982	18280	16290	14740	4952	473.8	701.9	506.3	3177	3800	4750	3553	2704	4717	8651	1284	15480	6128	238	146.4	0	0	0	0	0	0	0	0	0	0	0	0		
5360	3866	6274	6887	11860	9312	8996	2040	293.1	575.5	255.5	5324	3826	2732	2168	3248	10840	6927	6898	2560	7930	109	109	120	120	120	120	120	120	120	120	120	120	120	120		
5380	962.6	2095	1459	3408	3828	2778	814.8	107.5	417.1	0	4997	0	1093	830.5	18.61	2080	3793	1873	2560	1901	308	26.6	0	0	0	0	0	0	0	0	0	0	0	0		
5400	1127	4676	2937	6482	6823	6812	1879	219.6	62.51	820.4	3529	2543	2214	1388	3751	3587	4803	3448	3494	247	525.6	68.44	0	0	0	0	0	0	0	0	0	0	0	0		
5420	5445	9516	10650	16160	13800	12790	4991	408.6	827.2	89.12	14530	4810	4048	2713	3167	0	1548	1714	1312	2988	1418	25.77	3157	310.9	0	0	0	0	0	0	0	0	0	0		
5440	1308	1641	3552	7647	7673	9310	2200	415.6	387.8	0	2226	2696	2353	722.8	4133	4274	4811	7334	5273	223	84.7	57.98	0	0	0	0	0	0	0	0	0	0	0	0		
5460	2036	5867	3630	12140	7125	7615	2891	187.5	164	417.8	3297	3778	3049	1734	1385	3201	41.44	6241	5974	3250	85.21	71.31	313.4	0	0	0	0	0	0	0	0	0	0	0		
5480	12770	25300	26170	51720	50370	51830	14880	1397	1021	274.2	5599	8001	6139	6632	7039	11740	24010	40700	48820	33000	6403	6403	2047	2639	1210	4162	1021	6781	6942	15300	20490	11880	4962			
5500	128.6	2070	1801	3412	6763	8102	1859	154.6	132.2	578.2	3844	1199	1272	788.8	3009	4283	3533	4303	5455	5297	721.5	1878	3631	906.1	0	0	0	0	0	0	0	0	0	0		
5520	5550	4135	7837	5929	11600	12700	8884	2131	263.7	306.7	146.5	1299	2941	2756	2554	4222	4890	6715	7833	8412	4595	1209	207.8	0	0	0	0	0	0	0	0	0	0	0		
5540	1722	2916	6097	8020	5998	5507	1492	86.62	251.2	235.9	5753	2381	2774	1444	1689	1036	750	423	307	200	278	140.3	0	0	0	0	0	0	0	0	0	0	0	0		
5560	3665	7815	8041	12030	12870	14330	3927	362.2	495.4	253.5	2308	2518	4778	954.7	1397	7043	4520	6297	8014	1409	580	67.1	0	0	0	0	0	0	0	0	0	0	0	0		
5580	11280	21080	24990	64360	64120	56820	16430	1447	1591	1293	5038	9831	14670	7280	6571	18270	22010	30300	44160	30940	6841	575.5	540	1614	6314	20960	8286									

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Depth	AMU67	AMU68	AMU69	AMU70	AMU71	AMU72	AMU73	AMU74	AMU75	AMU76	AMU77	AMU78	AMU79	AMU80	AMU81	AMU82	AMU83	AMU84	AMU85	AMU86	AMU87	AMU88	AMU89	AMU90	AMU91	AMU92	AMU93	AMU94	AMU95	AMU96	AMU97	AMU98	AMU99	AMU100	
6450	1247	2906	2832	5684	4319	5162	1172	180	14.26	1179	1498	1153	2707	2635	1577	4924	2671	2025	2268	464	35.05	851	415.4	4248	4665	3925	586.3	1358	2953	0	2125	1018	117.3		
6470	953.2	3450	4094	3724	3938	5657	1663	141.2	0	0	0	1249	2907	1065	4607	3194	2275	2897	3894	1339	441	18.96	711.2	161.4	0	1575	0	79.97	0	2869	2024	2011	1215	699	
6490	6781	10870	9083	13740	13510	10840	2960	523.2	63.78	584.5	2402	3235	3914	3054	3064	7214	10190	13740	1094	6473	1711	47.75	0	359.9	0	10750	6808	1027	0	3599	4516	5134	3317	941.2	
6510	4184	8305	8120	11550	13330	12580	3575	283.7	207.6	186.3	10.16	1807	2291	2076	4430	6591	5449	7407	8771	8823	1026	290.7	1573	1145	1246	7422	4698	670	0	2281	5783	5223	2403	7436	
6530	2511	8641	11360	16810	16260	13810	3336	429.6	305.1	1128	4076	1982	5282	2090	2829	7388	9192	14100	9444	5767	3028	168.6	815.4	0	817	9333	4507	1021.5	2674	2683	5094	7865	4397	304.3	
6550	4362	3654	3608	5116	7111	4212	1271	118.9	188.9	38.44	456.4	2670	2231	1402	1013	3991	3426	3170	2944	2875	927	0.51	0	1163	0	1381	2923	841.7	636.1	275.4	2623	1225	1461	975.5	
6590	11920	24520	19310	38000	25470	25710	5793	524.2	1074	783.6	1513	8876	10870	8273	5112	11780	21000	24800	36300	13660	2947	106.8	0	578.1	5449	9446	4931	1790	5240	5791	14566	10260	8514	2862	
6610	3287	5206	7454	7219	7768	7473	1857	244.7	175	0	0	1700	0	0	2867	2131	4948	552	2967	697	108.4	0	11.01	0	9186	3994	554	0	2248	0	4191	3119	1242		
6630	4420	3831	3297	5034	5894	7148	1211	68.03	488.5	148.1	0	693.7	2034	129.1	0	1028	4683	4716	4192	5474	286.2	23.14	0	0	6364	4143	6294	1481	0	3688	3494	726.0	874.5	816.2	
6650	1128	4950	2975	4015	5912	5380	964.3	309.5	338.7	200.6	1612	1179	2952	1099	1288	1252	3199	6667	3668	2624	408.6	12.42	544.2	323.3	2291	474.9	0	146.3	2701	0	7256	2701	435.1	768.7	
6670	2861	3582	5489	5520	5081	5466	1346	82.03	139.7	1023	0	2051	0	970.9	3509	4590	5759	4710	4123	3019	502.6	15.97	0	4626	0	1605	1745	0	1142	2939	5517	1062	1791		
6690	1623	3787	2410	3395	4397	3144	752.3	67.68	0	267.1	2225	2951	2733	1653	1240	1038	3712	3009	3482	1466	349.1	109.77	74.85	0	0	6410	1311	327.7	0	2639	2227	1373	371.4	620	
6710	2344	2255	4539	4788	5185	7186	1277	298.8	69.39	534.8	1744	3904	2913	1484	70.64	5258	3423	2411	3642	2409	452.2	27.19	0	0	835	1013	1888	751.2	895.4	1434	0	3401	914	1521	
6730	95.35	1468	4684	4711	3799	1099	42.91	64.88	713.2	890.1	4651	2300	722.8	2047	3071	1892	4402	3012	4041	197.73	0	0	0	483.7	8855	1134	0	0	0	3046	3552	1172	229.2		
6750	1142	3303	3777	4843	4375	6022	1208	79.49	195.5	604.7	67.56	3202	1739	1516	0	4512	4.368	4300	7173	2592	426.2	0	0	0	0	0	4394	1615	831.7	960.2	0	1971	2894	616	579.8
6770	1672	2689	3286	4203	4103	5330	1056	155.8	210	311.2	316.7	1462	8539	1263	0	1295	3205	4074	1849	1610	300.7	1312	761.3	0	0	0	2130	866.2	289.7	2670	5431	1304	919.8	0	
6790	4602	13410	10560	28420	17320	23800	8748	854.6	122.9	765.1	10380	5531	4317	2961	3676	5020	11010	10494	2565	723	2070	62.44	4507	1236	0	11850	5244	779.2	2028	5881	8610	6877	550	1370	
6810	179.8	8454	6161	14350	11930	14480	3000	240.9	673.4	280.1	5255	2720	4519	1740	2119	3746	5360	88.44	4324	4542	1174	48.06	0	890.9	0	5246	4476	1171	4468	1419	4569	3989	2312	1315	
6830	6127	10880	13450	22320	16870	22520	6693	575.2	764.4	2478	1475	4317	1451	3874	7250	3645	10610	12110	8400	2729	191.6	0	0	6021	12550	10480	0	1553	4036	5243	6093	4349	2534		
6850	1213	4686	5604	11730	11630	23160	3903	373.6	44.86	4601	1947	3542	1581	4855	5576	9116	10100	7144	6738	3263	108.6	0	0	2103	7843	4472	0	5932	1914	5719	6413	3036	8121		
6870	3577	9553	7262	14940	13530	15040	6331	707.1	219.7	3073	3394	4081	3937	1189	3125	6039	4137	8752	1754	7160	4350	156	13.2	0	1568	8908	0	0	0	6975	4098	4163	637.7		
6890	2558	9762	6489	14630	14660	20020	4858	435	707.6	102.9	333.8	4612	4386	1502	2196	6828	7240	6783	12030	5917	16.5	46.5	0	406.8	0	5175	3275	98.37	1297	2050	456.4	4923	2498	0	
6910	1561	1966	1481	1236	2925	645.7	182.9	49.31	0	156.7	0	690.7	3697	777.6	1805	2900	116.1	1601	2070	1335	369.1	5.6	0	386.9	0	3987	131.8	922	1737	1795	7051	4232	1385.5		
6930	1321	3173	3411	3801	6477	6505	1603	0	0	1638	5708	3115	3608	2200	5251	1719	341.4	427	4041	3712	379.8	11.16	319.7	867.3	0	5507	0	229.7	0	5791	2793	673.2	109.1		
6950	614.6	1580	2749	2375	2140	2419	388	1.39	156.4	627.4	4276	0	2087	0	3191	2615	4542	226	1804	118.7	40.83	176.4	1553	9688	3821	640.8	574.9	2173	869	0	1879	536.1	0		
6970	31790	55880	67610	15100	12980	13000	4380	3202	2144	2762	1270	2260	2019	13400	10410	31350	31650	30840	26780	61740	20764	1798	4660	372.5	4231	28490	14480	3276	6827	10360	15990	30170	22610	10610	
6990	39000	78000	100200	195200	176400	151400	45960	4655	3016	3006	41210	35390	27700	19460	10430	43500	89990	151200	117200	27110	17148	1721	0	3170	27810	52290	27400	3595	4855	21720	38230	57500	43230	12920	
7010	9565	28560	18500	50700	45680	43530	14910	1563	1020	1249	6124	5373	11450	2474	5592	10600	17830	21780	35340	15740	5390	240.9	0	194.9	9013	12670	5419	0	9226	10720	12560	8613	2177		
7030	11040	10980	15700	38760	33540	43400	10980	1055	1430	614.6	11170	8742	9801	5801	2242	10650	14470	22810	20492	19510	6476	309.3	2054	1245	4306	17660	8814	1081	1177	8174	12520	14110	8210	2170	
7050	2330	2695	2541	3413	4545	3958	836	175.7	0	78.06	440.4	0	1024	0	801.3	1852	3294	4243	1889	476.4	727.5	17.98	0	163.7	0	4862	0	358.7	658.6	4862	6021	3073	26.54	0	
7070	2133	4911	4168	4322	5520	4447	998.5	154.1	43.15	251.9	4027	1604	1780	498	1705	3449	2730	2472	3419	3414	290.0	95.07	381.1	0	0	2266	2848	0	238.5	3642	2324	2143	303.3	0	
7090	775.9	3754	1533	4980	2420	3205	457.5	134.1	493.6	739.7	1037	1788	1666	572.6	690.9	2751	2725	1916	1743	1541	209.1	0	10956	256.2	4371	3405	3197	352.4	608.6	1266	283.8	4958	657.1	317	
7100	2311	2505	3424	3383	5905	5143	1514	0	497.9	1207	2053	3775	795.7	527.8	718.1	851	4271	3099	1734	160.5	59.89	2020	0	0	7826	2144	0	1207	0	2510	3096	1485	1007		
7110	2446	2223	4711	6251	5137	7443	1178	68.48	166.8</																										

Fluid Inclusion Data - Part 2
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Depth	AMU101	AMU102	AMU103	AMU104	AMU105	AMU106	AMU107	AMU108	AMU109	AMU110	AMU111	AMU112	AMU113	AMU114	AMU115	AMU116	AMU117	AMU118	AMU119	AMU120	AMU121	AMU122	AMU123	AMU124	AMU125	AMU126	AMU127	AMU128	AMU129	AMU130	
4900	3457	269.1	969.4	460.9	0	587.5	1340	1318	2060	4347	4895	13190	4632	541	1331	7.26	14.0	4.98	0	7.14	752.6	2038	2206	2396	2416	3216	2805	3124	1352	101.4	
4920	968	128.8	96.71	0	0	870.4	1115	329.2	0	1644	3768	3170	1140	71.54	0	54.90	6.5	0	71.8	20.03	296.3	125.3	319.5	530.5	443.3	645.4	440.1	235.5	367.1	0	
4940	610.7	163.8	0	745	1781	788.9	783.5	265.8	0	1559.5	294	2956	1235	504.7	0	5.16	0	5.36	0	275	282.5	747.2	658.2	680	1033	907.3	677.3	777.6	672.6	0	
4960	1180	38.7	356.7	0	0	593.5	49.46	0	889	1470	1952	3700	839.8	510.4	27.1	194.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4980	828.2	18.37	0	0	0	171.1	2607	1124	522.1	838.2	1595	2072	1493	227.5	120.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5000	1677	91.45	1092	0	985.6	3306	1337	35.59	1065	4282	2081	5304	2044	102.8	800.1	134.9	181.87	0.38	0	177.1	361.7	838.1	1069	1180	1287	1165	1402	1085	717	0	
5020	807.7	0	0	0	0	806	1887	294.5	469.8	719.1	1881	1105	1742	2.74	301	34.25	7.18	0.83	0	26.28	375.6	582.8	547.5	724.4	871.2	646.9	912.5	1291	494.1	0	
5040	2096	105.3	0	656	0	2124	1380	0	2168	2987	3201	1788	2143	1358	826.9	2.74	16.04	3.73	6.94	299.7	512.1	1763	1129	1702	1641	1412	1424	1175	920.7	0	
5060	1141	262.9	906.2	0	0	6195.0	0	0	22.17	2923	794.9	1976	1104	1114	141.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5080	253.9	44.91	0	0	0	629.5	0	0	1660.2	924	1235	1811	316.2	0	662.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5100	19290	1698	422.6	867.1	8830	15260	17860	2142	5842	9617	18540	2820	16300	6706	5729	61.96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5120	899.9	0	297.4	601.1	4205	1446	2645	186.3	0	1985	538	3676	440.2	0	410.1	43.88	0.091	0	0	0	0	0	0	0	0	0	0	0	0	0	
5140	826.6	128.6	0	466.7	2399	1593	438.9	0	890.8	3943	1654	3073	1537	616.4	39.94	0.747	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5160	2519	123.3	561.8	1367	3643	3417	2602	466.2	2160	1174	4601	5274	3523	1130	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5180	1624	184.1	451.6	0	266.7	3246	515.7	482	1534	3067	2712	4782	1521	1034	654.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5200	915.5	0	322.3	0	0	1140	1092	0	1651	292.3	367.6	363.9	0	127.3	213.1	126.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5220	377.8	0	490.3	622.5	0	2365	769.8	0	989.9	395.7	1832	1139	1698	111.3	569.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5240	498.1	0	0	0	0	2916	0	10.34	299.4	0	824	1395	2458	726.1	240.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5260	2708	189.5	0	0	1619	2321	1724	826.7	0	3282	9139	4182	4553	2404	1174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5280	416.2	0	324.4	0	1347	1122	929.7	2654	0	1864	2894	1681	700.7	347.8	148.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5300	568.9	0	112	1271	0	269.5	346.8	8.38	0	831	1075	1653	0	1174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5320	406	0	0	0	155.7	0	1304	324.4	1886	636.6	3528	2770	880.5	540.7	367.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5340	895.8	0	245.8	789.7	360.7	2234	460.3	910.1	1275	1897	1339	2467	958.4	417.2	1413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5360	544.8	0	0	503.2	4980	0	1417	245.4	300.2	1871	985.9	3122	1093	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5380	113.1	0	1111	587.5	0	491.2	972.5	376.5	1146	950.4	1019	0	349.2	443.9	178.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5400	50.5	152.2	0	0	0	635.2	538.6	0	2568	0	1203	1990	763.9	614.8	1.64	101.5	43.95	0	0	0	0	0	0	0	0	0	0	0	0	0	
5420	545.1	0	0	0	2414	989.1	550.4	90.84	2363	1136	2243	5915	708.7	1046	391.3	106.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5440	70.56	0	404.1	362.9	169.9	0	804.3	0	1631	726.8	0	8646	296	131.1	4.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5460	161.2	60.2	0	0	2349	1847	992.5	0	597	1606	1751	443.4	65.02	343.1	14.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5480	2800	302	399.2	230.5	660.7	4888	1815	0	1932	914.5	4791	1589	3863	436.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5500	0	104.7	0	0	0	815.4	591.6	1742	1752	2840	4622	1081	589.6	49.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5520	0	0	1738	83.42	0	1284	1.04	1001	9793	1448	1162	1066	42.43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5540	172.2	0	840.8	409.4	1400	2156	1011	547.7	380.3	1829	3890	1611	474.7	0	495.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5560	218.7	52.21	632.5	0	1065	1081	1476	0	1023	1650	970.3	1882	567.6	512	238.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5580	300.8	49.76	0	362	157.5	632	0	0	2112	1486	2609	1023	1189	2.93	54.51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5600	3214	565.8	0	76.88	12750	807.8	0	928.7	0	4173	5039	7455	2479	19.04	711.3	215.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5620	467.7	113.6	0	0	0	817.7	385.8	0	221	2137	793.9	2106	22.84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5640	302.1	100.1	0	170.5	0	1410	87.38	118.7	4389	88.06	8634	1100	1782	612.5	776.1	1.28	26.12	0	0	0	0	0	0	0	0	0	0	0	0	0	
5660	1654	0	207.2	0	1124	477.6	351.7	2274	1732	3133	5255	1841	218.8	978.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5680	4475	0	1110	0	0	988.1	11663	1154	1006	5355	8202	13750	8585	1529	1819	254.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5700	772.5	76.19	0	0	0	260.4	1035	2094	0	571.7	1422	2732	835.4	0	561.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5720	19230	2210	114.1	919.1	6084	2700	4536	1714	1989	19570	16450	23240	16400	5541	8404	316.6	5.86	77.08	541.8	1965	5259	5748	7807	9312	10170	9560	6855	5963	3875	0	
5740	15890	2068	709.7	109.5	4841	4902	2834	3430	1763	9657	8609	18620	13000	4436	5212	193.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5760	533.4	0	101.8	0	0	0	0	0	0	241.9	0	2688	745	910.7	2074	346.2	17.81	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5780	6213	541.6	0	87.21	0	8205	1736	2409	0	10370	8251	20420	7554	1374	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5800	2456	0	138	516.5	1260	0	749.5	0	5716	3853	7500	2521	1854	1191	177.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5820	2412	0	0	0	0	2752	2383	0	0	4463	7185	9067	3120	879.4	179.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5840	1579	0	573.1	0	0	2225	562.8	273.8	2819	4816	4078	7316	2225	0	1014	1294	1.24	0	0	0	0	0	0	0	0	0	0	0	0	0	
5860	707.8	0	0	0	32.19	484.7	2759	0	417.3	2071	3846	4684	1735	674.6	0	0	0	0	0</												

Fluid Inclusion Data - Part 2
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Depth	AMU101	AMU102	AMU103	AMU104	AMU105	AMU106	AMU107	AMU108	AMU109	AMU110	AMU111	AMU112	AMU113	AMU114	AMU115	AMU116	AMU117	AMU118	AMU119	AMU120	AMU121	AMU122	AMU123	AMU124	AMU125	AMU126	AMU127	AMU128	AMU129	AMU130		
6450	89.34	139.2	0	63.86	304.9	0	1475	1749	0	7612	345.2	72.61	264.5	187.2	109.3	25.7	17.49	0	0	171.6	242.5	119.2	226.5	138.1	477.8	466.5	281.8	344.1	76.44			
6470	273	0	1099	0	254.9	0	1723	431.5	3698	2071	76.76	116	454.4	0	0	0	0	0	0	35.98	89.28	546.4	161.4	419.2	254.5	336	267	450.5	659.8	754.8		
6498	822.7	0	227.6	12.59	0	0	205	378.5	0	780.4	744.9	1838	175.2	814.3	0	0	0	0	0	223.8	304.5	379.1	843	855.7	851.6	1054	635.9	900.4	758.4	226.1	173.2	
6510	580.8	37.79	0	0	0	0	1857	250.1	822.4	1945	0	1013	3654	463.7	1109	0	0	0	0	111	195.1	256.1	660.1	679.6	553.4	872.9	395.8	333.6	87.2	239.8		
6530	204.1	0	0	0	0	0	3270	6290	865.6	30.08	0	504.1	2094	1992	1030	1172	658.8	0	0	0	790.2	71.9	570.8	590.8	468.8	784.8	698.4	824.8	649.7	386.0	332	154.3
6550	819.7	0	0	0	0	0	2837	0	1108	564	0	839.1	1716	2048	413	640.7	645.2	101.8	0	0	291	259	710.8	294.1	368	868.2	468.7	432.2	465.4	311.4	154	
6570	228.5	0	1135	522.5	0	0	1280	0	0	0	0	266.8	2454	15.75	539.2	846.2	9.9	189.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6590	1452	20.77	1150	0	1477	0	2397	0	0	441.9	1470	5349	4743	2625	377.2	697.2	94.21	31.84	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6610	138.2	147.6	0	0	0	0	1658	2039	1057	284.3	116.2	0	465.8	726	0	0	15.52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6630	493.4	0	0	0	0	0	1585	1893	449.8	0	0	1557	2133	0	703.8	0	480.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6650	276.1	140.8	0	0	0	0	895.9	3728	0	203.2	711	1485	3171	2063	465	1439	4.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6670	415.3	0	0	0	0	0	299.7	0	91.33	488.4	828.9	6.57	0	0	3192	739.5	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6690	0	34.09	0	0	0	0	889.9	1384	0	0	0	0	943.2	0	157.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6710	181.3	52.36	366.7	0	0	0	497.3	0	0	0	0	1594	0	494.6	434.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6730	323.7	233.1	0	711.4	0	0	668.5	0	0	684	1195	1264	1120	574.6	58.2	0	797.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6750	154.6	104.6	0	0	0	0	138.9	0	0	0	302.1	0	635.4	0	2587	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6770	191.4	0	0	0	0	0	1138	0	0	1284	2405	0	0	1061	316.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6790	105.5	61.21	0	1557	0	0	1318	2755	0	0	2180	1066	3866	1636	132.4	260.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6810	487.8	108.5	0	55.03	0	0	4076	2086	330.8	1912	-1.67	502.4	2440	1084	159.9	209.5	77.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6830	1653	32.71	0	0	0	0	8504	269.7	88.66	835.5	1895	1011	3774	4849	1636	1520	294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6850	556.3	0	0	0	0	0	2736	3693	0	1154	489.3	229.5	5931	4177	2322	4528.8	111	4.29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6870	513	0	178.4	462.4	681.6	2590	2188	0	0	0	0	1082	3060	5679	629.8	985.4	464	170.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6890	517.1	16.2	0	520.6	0	0	0	0	0	0	302.2	159.5	2553	889.7	1079	234	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6910	183	57.19	0	767.3	0	0	1251	0	0	643	1374	826.7	0	831	304.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6930	194.8	127.8	0	94.83	1465	1144	1093	670.4	1944	2489	840.8	408.1	247.1	830.5	0	68.19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6950	96.61	97.9	0	0	0	0	850	0	0	1214	0	0	3179	75.98	1185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6970	8476	555.5	0	3252	75.39	2027	1795	1809	3423	9658	12080	3107	2029	2191	110.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6990	8732	1479	0	42.73	5264	5534	2832	2281	2648	7503	9564	23410	15799	7397	3705	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7010	2717	163	0	657.8	0	0	1584	683.6	314.5	4147	4371	1930	194	1847	132.4	264.7	8.8	667	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7030	2940	154.6	0	74.78	4806	2090	1741	0	184.1	1951	2275	6955	2556	662.2	1316	3845	1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7050	0	0	0	0	0	0	2768	0	0	1745	0	1612	598.4	428.8	687.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7070	0	0	483.3	0	0	0	1040	0	0	2144	0	2167	0	203.4	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7099	285	0	298.5	0	0	0	1198	0	0	1489	1271	0	0	0	0	1889	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7100	23.55	0	0	187.5	0	0	21995	0	0	0	1019	3709	701.7	342.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7110	434.9	103.1	0	0	0	0	1047	613.2	93.53	0	0	933	946.8	377.7	880.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7130	428	0	0	166.3	0	0	0	0	0	0	945.2	0	2583	454.6	572	144.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7140	0	0	0	0	0	0	676.1	0	0	1183	0	3202	2226	1965	151	502.5	54.87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7160	553.4	0	645.4	0	0	0	497.3	0	0	6342	356.2	0	0	0	1894	9.87	1574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7170	1354	237.1	535.7	0	5498	971.5	234.1	1916	0	137.4	2947	2203	1864	1278	400.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7180	353.1	11.67	399.7	0	0	0	1217	921.6	373.6	0	2265	0	4189	811.4	1277	406.2	111.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7200	595.1	31.27	129.8	0	0	0	1522	1571	0	1396	11.1	2686	954.8	527.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7220	179.1	0	360.5	0	0	0	1930	22.81	43.45	0	1060	932	585.9	941.5	1406	26.99	411.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7240	55.78	155	0	354.2	807.8	0	1701	834.1	0	0	0	1343	742.8																			

Fluid Inclusion Data - Part 2
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Depth	AMU131	AMU132	AMU133	AMU134	AMU135	AMU136	AMU137	AMU138	AMU139	AMU140	AMU141	AMU142	AMU143	AMU144	AMU145	AMU146	AMU147	AMU148	AMU149	AMU150	AMU151	AMU152	AMU153	AMU154	AMU155	AMU156	AMU157	AMU158	AMU159	AMU160	
230	0	0	40.64	57.84	32.83	36.6	65.08	3.59	17.77	49.36	0	49.12	40.82	66.49	0	2.23	19.17	24.41	0	47.97	21.42	13.6	0	3.5	16.12	14.05	0	18.10	0	0	
470	10.71	89.89	21.07	76.79	0	0.3	22.56	23.91	63.45	0	74.05	0	20.98	0	0	0	0	0	0	0	0	0	0	0	20.41	0	24.66	1.56	74.06	0	0
710	28.4	19.18	15.55	51.68	39.35	23.2	50.86	24.99	10.22	0	0	0	35.38	0	0	0	11.78	20.94	42.65	21.57	20.23	13.06	13.9	26.94	0	0	82.31	43.08	0	11.1	
950	49.59	9.45	3.96	0	9.68	12.67	22.02	0	36.98	0	0	14.77	0	54.68	9.55	1.56	0	1.6	24.41	0	4.37	19.15	30.57	0	0	0	0	0	0	10.7	
1190	70.44	13.32	0	30.48	28.64	24.34	2.9	26.47	42.37	0.7	1.67	45.55	43.31	0	0	0	39.1	8.11	1.78	10.51	46.96	32.09	19.85	53.66	0	0	33.06	0	0	20.07	
1430	109.8	13.25	0	53.87	28.81	59.29	89.58	26.39	106.3	39.68	57.84	12.11	3.69	4.06	10.61	3.11	45.6	77.73	27.95	26.25	25.41	26.97	0	0	58.9	0	0	45.21	0	0	
1670	82.54	38.69	0	17.60	22.36	27.44	77.98	4.7	18.71	32.88	17.45	71.58	43.79	89.91	11.7	7.37	53.19	18.33	65.74	18.47	48.2	23.15	4.02	0	0	29.02	0	0	0	1.33	
1910	119.27	11.67	27.76	23.29	36.41	60.61	10.71	0	55	45.81	29.97	27.15	68.08	47.91	2.7	1.67	14.8	11.96	29	38.57	23.54	21.88	4.62	18.06	0	0	87.39	65.66	0	6.84	
2150	29.47	14.87	0	0	53.33	35.98	44.68	0	41.11	2.46	33.76	6.28	14.4	47.46	0	0	2.06	15.47	22.52	0	2.4	34.58	1.97	0	0	16.23	0	40.07	0	1.17	
2390	0	2.41	5.29	17.71	12.47	50.49	32.24	22.7	0	0	61.22	0	14.34	3.74	10.49	4.4	18.06	30.1	41.93	0	0	17.73	0	8.31	0	16.11	0	48.88	0	4.6	
2610	0	2.81	9.44	0	10.61	0	39.14	9.56	132.8	88.24	22.8	0	0	15.6	9.51	0	52.64	24.14	0	0.51	0	35.88	33	0	0	0	56.22	0	0	0	
2690	0	21.12	0	21.54	57.99	36.92	0	0	0	0	30.85	0	7.78	0	3.58	9.49	8.02	0	10.66	28.98	28.69	2.9	0	59.43	0	12.4	11.25	0	0	0	
2770	19.97	32.2	15.87	13.13	3.91	48.81	12.11	0	43.21	0	0	0.16	0	9.25	0	1.40	14.43	17.39	0	36.79	0	0	48.64	8.92	1.16	15.09	25.98	0	0	1.38	
2850	46.8	8.76	0	11.83	7.86	0	0	46.54	1.17	55.92	30.34	5.25	27.78	0	18.31	1.64	9.43	31.63	0	78.11	32.77	14.87	71.36	17.01	13.26	0	0	0	0	0	
2920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3080	75.16	5.28	20.17	7.31	22.61	15.47	19.62	1.52	0	54.45	39.68	0	0	0	0	0	6.71	0.86	10.44	5.6	8.61	10.5	9.46	0	10.6	23.13	0	0	28.3	0	0
3160	45.61	0	0	52.72	25.59	10.91	41.04	25.49	18.77	17.24	34.74	28.91	0	48.55	1.69	0	7.12	19.91	47.13	10.27	37.44	18.41	13.5	0	7.75	0	0	13.01	0	0	
3240	0	15.7	0	0	19.19	1.69	12.02	12.52	29.82	44.42	10.23	0	10.94	0	8.25	3.62	6.94	8.72	0	34.11	29.24	42.61	8.76	0	4.88	0	3.07	0	5.14		
3320	0	15.71	7.72	7.19	21.9	0	13.06	0	71.94	75.62	54.29	24.26	0	9.84	8.27	0	0	0	0	15.83	6.76	0	18.5	0	42.54	1.4	65.81	0	62.93	0	0
3340	38.99	16.29	0	0	54.85	0	22.69	40.67	69.79	0	8.43	0	0	99.93	20.83	0	1.66	2.95	24.04	12.99	7.94	25.26	0	37.76	0	31.73	15.71	1.22	0	0	
3380	100.9	18.89	0	4.82	4.4	10.96	36.75	0	41.52	2.32	36.6	12.46	21.18	8.48	0	4.25	66.53	4.12	8.39	0	25.89	0	17.4	0	0	0	14.7	0	0	9.92	
3420	0	28.22	16.81	0	3.77	50.42	20.46	1.06	97.61	1.81	0	31.72	0	11.76	0	6.76	0	2.02	1.8	0	0	0	0	0	0	0	0	0	0	5.87	
3460	82.53	31.17	0	18.1	10.11	15.32	10.1	5.19	1.61	53.64	0.11	27.18	61.48	77.5	1.03	0.72	0	20.85	1.71	3.11	0	0	0	16.08	0	2.23	0	0	0	6.95	
3500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3540	252.3	25.62	30.11	36.83	31.26	33.81	39.45	76.89	107.1	106.8	0	0	41.72	2.34	12.98	5.43	4.42	32.01	48.3	71.98	55.29	8.89	2.97	0	36.9	12.02	0	0	0	0	
3580	0	28.15	19.02	53.13	30.52	10.55	54.48	56.94	85.95	16.37	60.69	4.32	0	10.57	1.28	18.12	0	12.1	12.44	0	18.44	11.74	17.11	0	102.4	0	35.82	0	4.52		
3620	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3660	0	24.16	0	0	21.62	15.08	30.89	0	49.43	5.5	15.64	25.07	4.1	33.29	4.79	12.11	0.92	14.44	80.76	51.06	0	20.09	0	17.31	26.36	0	162.7	0	29.31	0	0
3700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3740	12.49	32.4	12.62	11.62	37.55	101.6	94	43.94	27.79	35.09	38.94	24.2	21.79	0	5.29	7.83	25.45	44.99	18.25	11.84	0.36	47.25	19.83	0	0	0	0	0	4.77		
3780	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3820	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3860	0	13.15	1.44	5.57	13.88	32.21	14.61	21.61	47.21	52.59	63.38	2.8	20.02	0	4.91	8.88	37.1	7.04	10.77	29.14	0	20.49	0	8.48	0	0	54.02	0	0	0	
3900	53.81	24.39	7.81	22.78	40.6	32.16	4.66	21.99	48.04	1.22	11.28	53.28	0	76.82	0	7.06	98.67	58.7	57.83	28.36	0	123.5	12.97	0	0	0	0	0	0	0	
3940	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3980	4.45	15.36	8.83	40.34	35.6	113.8	186.5	370.5	18.1	211.6	194.1	231.5	42.45	184.62	26.64	3.66	51.76	15.24	74.53	68.68	29.57	113.2	115.5	59.31	44.53	9.48	74.31	0	0		
4020	69.45	29.02	9.4	24.76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4060	79.58	80.86	82.41	101.4	119.7	207.4	274.2	404.2	164.7	219.7	362.6	212	106	142.9	23.89	11.4	52.9	76.69	5.18	142.1	254.8	104.6	165.1	77.78	59.73	126.8	0	0	12.02		
4100	203.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4140	106.2	110.8	127.2	256.7	555.5	704.9	953.8	1497	2074	2261	1612	927	308.7	389.8	1.02	22.99	106.7	192.6	230.4	311.9	596.7	446	483.1	71.26	273.8	199.9	166.6	0	0	3.01	
4180	437.5	133.6	192.5	491.5	767.3	1313	1915	2485	415	2335	1912	1452																			

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Depth	AMU131	AMU132	AMU133	AMU134	AMU135	AMU136	AMU137	AMU138	AMU139	AMU140	AMU141	AMU142	AMU143	AMU144	AMU145	AMU146	AMU147	AMU148	AMU149	AMU150	AMU151	AMU152	AMU153	AMU154	AMU155	AMU156	AMU157	AMU158	AMU159	AMU160		
4900	192.9	200.3	171.9	310.8	831.2	1260	1370	2043	1725	1543	1622	985.3	561.9	491.8	55.76	30.99	27.62	204.8	361.8	8.24	1001	1214	915.7	280.6	701.9	90.1	70.60	0.0	31.29			
4920	49.01	52.87	101.5	184.5	142	211.8	449.9	654.3	417.6	480.9	427.3	368	307.9	261.9	23.16	0	14.19	5.16	12.4	39.8	47.4	45.2	272.8	223.7	0	0	0	0	0	1.61		
4940	0	25.98	61.99	106.2	273.3	248.6	978.8	763.6	1026	130.7	221.1	442	111.1	360.9	27.76	20.41	81.74	102.8	197.4	30.8	480.5	584	281.6	85.58	81.59	0	0	0	0	9.47	0	9.56
4960	470.5	56.33	101.6	99.39	375.1	385.6	1199	732.8	928.6	805.6	209.5	127.5	90.3	16.36	28.78	85.46	70.14	196.1	17.8	431.6	372.8	443.8	253.5	112.1	4.43	114	0	0	0	0	0	
4980	322.1	55.00	135	50.64	114.6	476.4	462.4	717.9	835.8	591.3	556	438.6	13.71	170.6	3.4	14.45	136	10	10	175.2	0	373.1	375.1	617.8	151.5	53.17	210	22.78	0	0	0	
5000	41.42	0	50.97	192.2	439.5	523.7	1104	770.5	973.2	1079	945.6	810.1	264.9	411.1	23.84	42.98	87.63	125.4	257.7	300.5	304.3	751.7	794.9	620.6	315.1	0	0	0	0	9.1	0	
5020	102	49.74	50.42	211.6	301.9	309.4	512	576.4	944.9	658.4	551.9	212.7	177.9	144.4	42.21	22.81	77.46	141.8	255.3	448.2	411.8	432.7	228.8	444.8	397.2	273	6.54	58.49	0	4.98		
5040	106	50.92	137.4	349.6	316.3	609.9	1104	1026	1873	920.1	703.6	1022	413.8	465.5	54.15	46.71	23.72	89.17	441.6	496.6	107.9	786.4	485.5	457.8	145.8	187	129.7	0	0	0	0	
5060	0	0	122.3	211.3	324.3	478.9	344.7	436.8	420.3	611.6	531.3	487.8	339.9	330.9	6.65	33.71	61.84	28.77	154.7	17.89	174.5	283.4	337.5	63.85	210.7	117.4	71.12	51.86	0	0	0	
5080	223.5	53.94	85.6	77.53	220	296	515.1	347	308.3	231.9	315	0	39.48	0	54.03	20.73	4.18	180.9	184.4	192.2	241.2	315	587.7	8.7	69.2	197.2	323.9	0	0	0	0	
5100	2044	429.8	598.9	1659	2566	4132	5740	7637	8570	9013	7678	6595	2501	1629	155.4	107.3	472.4	907.7	152.8	163	148	378	2798	1554	1361	814.5	8.48	0	0	0	14.13	
5120	314.6	244.1	125	132.8	195.9	353.8	842.9	758.3	113.9	715.6	514.5	698.7	158.8	170.4	8.96	0.4	64.73	11.8	146.4	11.2	529.6	303.3	350.6	425.4	240.6	705.5	31.78	163.3	0	0	15.51	
5140	126.8	73.22	108.8	146.3	336.1	517.1	879.3	991.5	1093	1008	694.7	270.1	267.1	175.8	32.41	49.04	10.68	17.4	264.8	194.2	241.1	478.8	560.6	453.3	150.3	209.8	145.5	12.02	0	0	13.99	
5160	363.5	38.73	292.4	301.8	490.8	774.7	1289	1395	1758	1878	1214	1184	583.1	427.5	48.53	17.83	14.66	22.18	228.8	110.8	416.1	721.6	907.1	932.7	16.53	522.4	88.16	50.26	0	0	11.42	
5180	74.26	125.0	76.22	118	383.9	563.3	957.6	1068	1582	809.5	792.3	822.4	183.1	374	46.27	34.5	119.2	294	145.1	529.8	415.4	816.1	563.8	331.1	250.7	206.9	58.18	147.4	0	0	2.96	
5200	261.2	116.6	120.2	79.28	28.74	310.4	445.9	717.4	445.9	773.8	348.6	278.9	75.85	35.8	41.83	21.4	55.46	104.5	129.6	151.8	476.6	876.4	204.2	377.0	20.87	0	0	0	0	0	29.78	
5220	53.04	0	63.99	119.4	68.71	143.7	549.4	266.8	413.2	273.4	370.8	264.5	322.4	144.1	0.24	5.69	41.54	80.7	7.8	49.7	125.5	276.3	351.9	25.54	121.2	224.3	0	0	0	0	79.73	
5240	52.10	65.97	122.2	112.8	140.4	274.9	312.4	123.5	597	411.8	540.4	120.4	151.6	136.5	29.86	3.89	69.21	26.26	149.3	114.6	122.2	286.5	369.1	322.6	126.8	16.09	35.87	0	0	0	0	
5260	0	49.19	171.7	377.5	579.1	1171	1044	1399	1107	1517	973.8	1396	386.6	335.5	23.36	33.66	124.8	420.2	320.2	519.4	145	548.1	663.3	624.2	543.1	685.8	392.4	36.21	0	0	7.91	
5280	0	0	0	109.5	0	93.9	388.7	609.4	845.7	581.8	140.7	436.7	717	270.1	28.64	24.24	29.31	22.41	14.05	35.84	164	0	164.7	144.5	180.3	71.25	68.91	53.91	0	0	10.22	
5300	0	55.87	30.93	93.55	215	257.7	424	376.5	274.9	613.3	354.9	295	293.1	164.8	22.17	13.67	0	43.27	109.3	274.9	96.48	233.5	340.5	468.8	0	0	0	0	0	0	57.64	
5320	90.70	69.92	20.14	0	262.2	402.6	582.2	241.7	617.5	899	641.9	561.1	0	0	116.6	24.96	11.61	65.30	0	144	119.8	189.1	781.4	465.4	130.5	209.6	61.95	0	0	0	42.21	
5340	0	0	6.93	51.07	301.3	497.1	876.5	936.2	598.3	609.6	469.3	413.8	127.8	91.3	12.78	91.68	21.22	14.75	16.8	263.2	518.7	146.3	314	494.5	443	215.1	343.8	102.6	0	0	0	
5360	26.15	84.63	6.2	58.89	317.7	512.4	489.1	1216	639.6	841.2	79.94	246.6	0	0	14.8	66.37	11.16	30.85	147	63.52	0	271.7	355.9	250.6	247.9	129	109	173.7	86.73	0	0	
5380	490.9	100.3	50.07	197.3	171.3	13.94	205.9	242.6	331.6	623.2	235.4	0	50.53	174.8	4.79	10.85	0	52.16	150.4	249.1	11.76	39.25	181.8	372.7	212.6	168	168.5	101.5	0	0	0	
5400	379.2	58.23	43	67.77	238.4	299.6	185.6	502.1	511.7	411.4	689	188.8	143.1	249.8	8.31	0	51.16	70.83	0	204.3	113.3	0	200.2	36.53	154.3	52.88	0	0	0	0	10.88	
5420	25.28	0	0	6.88	202.3	603.6	817	913.2	625.5	773.8	750.3	692.2	289.1	171.1	46.27	39.64	38.42	89.75	115.5	205.5	367.7	459.3	701.5	462	207.5	0	0	0	0	0	15.96	
5440	25.58	25.09	3.57	169.1	124.1	4.16	94.51	197.1	164.4	164.8	72.21	0	216.9	33.92	4.7	7.61	47.96	154.4	61.33	41.78	149.9	162	169.3	99.9	0	0	0	0	0	0	23.61	
5460	126.8	36.28	36.25	143.4	233.6	466.5	498.3	554.4	604.2	235.1	262.5	698.6	72.55	114.4	17.04	9.3	37.93	120.4	79.52	240	140.1	326.7	0	246.4	82.8	190.6	192.4	2.12	0	0	0	
5480	0	250.1	89.41	234.4	51.1	948.6	1961	1744	1613	1917	1565	795.2	463.1	208.5	50.98	46.15	97.34	201.8	461.5	541.1	617.9	585.9	880.5	757.2	279.2	291.1	160.1	0	0	0	0	
5510	88.45	98.99	54.48	166.3	239.6	348.2	376.6	626.7	856.7	779.9	0	183.8	85.35	86.84	29.76	1.4	70.64	51.01	9.41	114.6	277.5	373.3	205.6	465.9	0	73.48	106.2	65.29	0	0	11.6	
5530	0	83.37	0	27.28	79.84	125.7	165.1	406.4	113.9	0	0	71.43	0	0	7.94	4.8	45.98	0	0	22.6	219.8	178.5	210.6	32.87	103.1	115.1	73.7	10.48	0	0	0	
5550	0	1.47	112	207.9	283.3	366.9	467.8	419.6	876.8	1137	330.1	0	154.6	131.1	12.1	18.52	132.2	56.44	0	194.7	168.9	152.3	0	232.9	183.5	46.75	0	0	0	0	55.1	
5570	0	95.8	88.48	253.1	202.9	206.9	395.7	843.3	1005	354	788.4	475	0	0	46.44	9.92	0	0	238.1	121.8	54.3	352.5	238.8	375.1	93.83	173.5	140.5	0	0	0	13.24	
5590	0	62.59	72.82	142.3	463.2	408.9	371.5	1407	763.3	768.6	811	309.2	229.2	0	13.28	14.81	108.1	2.42	213.1	76.7	41.1	148.8	358.8	335.8	96.59	99.4	197	0	0	0	0	
5610	331.4	37.6	169	436.8	588.4	626.2	1607	1735	1645	1698	809.3	114.4	612.1	458.3	49.53	27.2	101.8	115.5	482.5	870.4	861	862.6	860.3	216.5	259.1	624.8	56.47	33.19	0	0	0	
5630	306.1	182.6	67.9	33.33	264.8	164.1	365.5	583.3	493.5	385.7	380.8	405.2	150.4	505.2	24.59	16.71	59.63	114.4	145.3	301.9	1625	1421	28.72	113.6	134.9	188.3	0	0	0	0	0	
5650	355.4	27.39	68.82	0	0	332	632.2	1348	667.4	438.2	684.4	445.3	368	93.85	18.97	21.57	76.11	185.5	148.3	149	337.2	341.1	268.2	457.6	378.9	0	0	0	0	0	32.5	
5670	254.1	51.31	0	261.7	494.9	825.5	1008	1442	1339	973.5	743.9	716.5	182	387.8	84.15	6.57	106.5	174.4	106.6	444.4	445.7	887.6	843.3	505.3	133.4	272	258.9	0	0	0	12.41	
5690	106.6	88.94	201.1	514.7	983.2	1127	1943	2123	2636	2904	1573	145.3	454	545.5	63.44	44.8	211.1	145	514.2	466.4	1294	1098	1559	709.5								

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Dp (cm)	AMU131	AMU132	AMU133	AMU134	AMU135	AMU136	AMU137	AMU138	AMU139	AMU140	AMU141	AMU142	AMU143	AMU144	AMU145	AMU146	AMU147	AMU148	AMU149	AMU150	AMU151	AMU152	AMU153	AMU154	AMU155	AMU156	AMU157	AMU158	AMU159	AMU160	
6450	28.44	140.7	249.7	511	216.9	718.9	654.3	344.9	0	310.9	0	6.780	2.37	7.29	18.33	24.54	24.96	1.35	99.1	147.8	189.2	446	15.97	100.1	336.7	174.3	22.96	0	73.8		
6470	0	116	111.9	0	548.6	353.8	449	0	398.8	171.3	429.4	288.3	0	17.2	44.3	21.6	7.7	109	146.7	136.1	148.1	192.3	0	117.6	144.2	0	304.6	0	17.55		
6490	87.99	53.74	53.49	22.66	196.2	341.6	527.5	646.7	1011	323.8	244.9	254	19.46	10.7	2.66	24.13	64.66	28.54	217.4	484.9	622.3	459.9	495.2	377.5	265.2	0	76	0	0	0	
6510	0	260.4	62.97	213.7	500.5	285.6	957.3	367.9	767.3	305.6	609.5	290	0	0	25.24	8.12	69.26	15.17	380.4	403	172.5	487.3	266.9	49.34	385.7	197.9	0	0	0	0	
6530	129.6	0	128.7	70.34	91.2	588.2	672.6	738.5	755.8	713.1	325.2	658	192.4	105.4	14.07	5.12	88.13	51.1	263	200.1	394	209.7	536.5	528.4	15.18	7.16	0	0	0	0	
6550	888.6	38.13	29.94	277.5	224.5	443.8	445.5	0	157.4	483	389.6	126.7	292.2	138.8	21.62	18.74	93.61	30.13	15.99	419.7	0	235	274.5	190.8	0	164.5	0	143.2	0	0	
6570	0	194.1	0	31.57	0	352.1	345.9	571.7	101.4	396.8	348.9	43.83	0	11.5	28.15	27.4	24.17	43.37	39.7	12.46	130.9	0	140.2	247.3	57.67	107.7	150.2	0	0		
6590	0	37.72	72.98	34.25	512.9	515.7	1010	564.9	905.2	325.6	510.8	335.5	556.9	222.9	0	1.35	137	24.85	128.9	207.1	383.4	94.7	0	0	41.44	91.38	0	0	4.03		
6610	208	0	24.91	104.3	116.1	484.2	252.2	442.7	884.4	75.39	592.5	0	0	0	0	0	53.91	40.54	247.9	264.5	0	252.6	0	319.2	64.57	216	454.8	0	17.59		
6630	145.4	140.9	103	218	106.6	0	236.9	342.6	1269	625.2	209.1	990.6	217.7	0	13.03	25.74	80.22	145.5	195.9	267.8	0	555	256.8	422.6	161.4	357.1	17.64	0	0	0	
6650	18.41	26.25	91.19	197.6	0	238	703.3	550.2	641.7	235	0	86.65	119.9	21.06	12.04	0	21.13	78.58	240.5	115.6	267.4	0	368	514.1	605.7	207.7	0	0	374.8	0	
6670	264.5	0	30.33	32.29	122.2	201	231.3	279.9	242.7	242.3	4.02	0	222.9	20.63	6.94	18.14	3.99	98.72	52.91	19.39	154.5	5.24	227.1	0	0	0	0	0	217.7	0	
6690	816	102.2	76.28	29.54	0	72	183.5	364.1	0	277.4	0	0	0	0	21.7	15.97	17.99	113.8	0	52.97	163.5	50.1	188.7	106	152.6	108.7	0	0	0	387.9	
6710	16.82	132.6	91.06	58.86	402.5	290.5	0	450.8	531.9	215.9	725.1	655.7	276.0	0	15.61	16.2	16.49	27.17	92.36	57.97	247.6	449.5	2.47	236	187.6	0	307.2	145.1	0	35.27	
6730	388.8	19.39	53.52	145	199.2	329.9	54.21	491.7	331.2	557	343.8	0	18.4	24.9	18.68	0	42.56	211.4	187.7	65.25	54.7	413.3	144.7	208.5	182.7	0	0	0	0	42.15	
6750	67.71	65.09	68.14	144.7	0	458.1	312.8	265.2	48.86	254.7	188.6	20.79	0	27.11	24.6	10.95	0	51.8	249.6	0	205.4	67.9	59.51	0	0	0	0	0	0	42.15	
6770	251.9	0	0	106	23.49	23.5	58.57	503.6	493.3	50.83	223.7	0	218.3	1.34	9.23	22.68	27.79	23.45	111.4	378.8	117.3	181.7	0	0	15.37	11.73	102.9	131	0	44.89	
6790	0	0	161.2	401.3	758.2	928.2	741.9	935.3	1074	923.6	797	678.8	727.5	162.4	40.71	29.98	208.4	76.27	634.3	629.5	688.9	662	589.8	968.9	111.5	220.1	57.87	27.72	0	31.56	
6810	0	0	72.81	163.4	289.1	317	482.1	516.6	1015	221.8	1074	252	126.5	162.4	22.45	12.58	107.6	150.4	119.7	411.8	338.9	528.6	394.8	141.8	308.1	364	0	0	16.44		
6830	545.6	217.4	108.7	260.8	405.4	912.1	889.9	743.1	951.5	567.2	581	490	68.49	25.5	30.15	49.84	44.46	27.63	290.9	626.4	85.94	285.3	553.2	608.8	144.3	154.4	0	47.6	0	25.56	
6850	0	166.5	128.6	225.4	637.2	543.9	494.5	1112	1166	535.6	966.7	270.2	75.65	417.2	52.81	66.98	201.8	27.0	47.8	214.2	168.6	149.7	576.3	353.3	0	279.5	0	0	0	238.8	
6870	0	0	95.9	270.8	216.7	714.6	516.9	818	1285	931.3	994.4	204.9	408	208.7	45.13	48.45	69.47	185.7	164	413.3	123.5	498.4	428.6	152.7	421.6	172.6	214.6	63.42	0	1.77	
6890	0	79.69	102	104.1	186.6	299.1	702.9	644.6	101.9	585.3	526.4	573.2	180.5	64.17	24.51	42.56	43.92	88.71	355.4	195.8	323.6	14.3	159	251.3	263.8	196.8	189.9	31.06	0	0	
6910	0	0	39.71	0	31.46	152.3	639	1167	387.8	269.2	472.1	0	65.46	0	14.94	16.73	21.48	32.95	28.04	0	126	320.8	110.1	0	0	0	0	0	162.3	0	17.59
6930	0	88.49	57.28	47.12	256.8	18.35	66.84	278	777.4	531.6	631.8	0	368.1	118.9	7.77	26.17	21.81	10.71	62.29	54.42	356.7	282.8	152.9	0	83.44	0	0	0	0	0	
6950	0	47.73	0	0	0	0	338.5	369.8	0	393.2	213.3	0	19.19	43.4	42.11	26.1	0	0	312.9	57.37	155.1	87.13	145.4	0	51.74	190.7	111.2	0	0	0	
6970	0	137.1	308.8	459.8	818.2	1381	1899	2188	3156	2361	2014	614.1	888.5	100.4	70.49	63.45	134.4	709	324	834.3	948.8	597	993	922.9	283.1	566.6	254.7	0	0	28.42	
6990	56.69	521.3	646.9	876.5	1511	2433	4039	4810	5641	4530	4124	3075	1159	136.4	130.2	78.7	254.2	434.8	1001	1628	1691	2773	2194	1866	1442	596.2	159.2	0	0	0	
7010	310.1	109.2	219	430.1	791.4	705.5	1083	1526	931.9	897.4	1074	429.9	167.5	138.8	0	12.75	206.3	133.9	207.1	339.2	565.2	477.2	387.8	600.9	257.2	150.9	92.45	0	0	0	
7030	0	112.6	48.63	356.9	951.6	714.6	1267	1595	1647	981.1	1412	471.9	267.2	211.2	77	37.53	131.1	78.23	253.1	374.8	844.4	210.3	688.8	636	97.83	0	348.1	0	0	0	
7050	0	81.85	184.2	68.45	74.7	0	417.9	294.8	363	0	271.1	0	0	0	0	0	0	154.7	77.43	157.7	95.76	0	804.7	6.26	0	66.02	180.8	0	12.03		
7070	0	177.6	0	61.23	427.2	140.7	236.1	659.6	174.6	440.8	598.8	171.3	0	1.3	16.74	6.84	38.91	60.17	208.2	0	214.8	290.4	431.6	0	261.1	41	0	0	0	3.41	
7090	0	111.1	0	0	240.6	62.5	345.3	355.1	604.5	140.1	161.1	0	43.16	0	22.68	0	21.78	1.84	0	16.17	351.7	0	18.39	272.9	0	0	0	0	0	61.17	
7110	135.7	0	0	218.5	0	445.1	78.45	460.7	57	308.8	241.7	0	115	10	100.4	31.76	49.34	0	9.18	118.5	186.5	0	79.9	0	16.31	0	0	0	0	0	
7110	0	138	49.49	0	301.2	257	224.1	418.7	798.1	0	309.9	0	291.4	21.45	13.17	8.99	0	104.2	107.9	427.6	102.4	0	593.7	32.86	0	0	0	0	119.5	0	0
7130	54.2	0	62.06	111.5	302	660.5	764.5	450.6	148.2	715.7	630.3	43.06	227.4	6.7	105	22.52	31.42	151.9	344.2	296.7	1386	236.6	225.2	1294	0	0	0	514.2	0	12.25	
7140	94.51	90.36	0	0	197.2	285.2	68.6	262	719.7	257.3	124.8	382.9	195.9	25.13	22.97	8.61	65.08	83.29	0	0	0	137	376	0	0	0	0	0	50.27	0	1.43
7160	34.42	98.34	92.94	119.5	0	0	0	368.5	217.5	74.93	139.4	626.1	0	0	7.81	18.5	18.25	18.46	0	131	249	72.47	30.26	0	79.04						

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Depth	AMU161	AMU162	AMU163	AMU164	AMU165	AMU166	AMU167	AMU168	AMU169	AMU170	AMU171	AMU172	AMU173	AMU174	AMU175	AMU176	AMU177	AMU178	AMU179	AMU180
230	0	0	12.73	23.42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
470	0	0	0	5.44	38.27	0	0	0	7.28	15.76	0	0	0	0	5.27	0	0	0	0	0
710	51.93	4.26	13.96	64.71	0	20.87	33.73	7.68	0	309300	0	2.84	0	0	0	0	20.75	20.21	0	0
950	11.94	0	2.68	0	0	0	0	4.19	0	159300	0	0	0	0	0	24.91	0	16.59	0	0
1190	0	0	7.34	0	2.13	7.24	0	8.11	26.74	166600	0	13.29	0	0	0	0	0	0	0	0
1430	0	13.87	17.18	23.14	76.13	0	0	0.68	2.34	0	0	0	0	2.14	0	0.77	0	1.98	0	0
1670	0	0	56.89	0	20.42	7.99	0	0	144.2	0	0	0	0	1.25	3.54	1.46	0	4.58	0	0
1910	0	31.41	31.23	31.83	11.84	5.63	0.29	0	56.63	0	0	63.98	0	2.01	0.13	0	0	0	0	0
2150	9.41	2.71	0	0	0	0	0	30.29	0	0	0	0	0	0	0	0	12.22	0	0	0
2390	0	0	3.94	15.17	10.48	0	0	0	0	806000	0	0	0	0	12.2	0	1.52	7.92	0	0
2610	0	23.79	51.32	0	19.43	64.97	0.33	0	0	1500000	0	10.08	0	0	0	4.72	11.54	0	0	0
2690	0	18.4	0	0	20.91	11.08	0	8.57	0	3481000	0	45.27	0	0.78	4.4	0	1.62	0	0	0
2770	12.11	0	14.32	8.32	0	0	4.99	0	74.71	0	0	0	0	0	0	0	0	0	0	0
2850	0	0	0	0	0	41.94	0	8.8	17.16	0	0	0	0	0	0	0	0	0	0	0
2920	0	10.08	30.89	0	19.75	45.13	14.3	30.12	0	2594000	0	4.96	0	0	0	0	0	0	0	0
3000	0.62	0	26.71	0	0	8.84	0	0	0	482900	0	0	0	1.09	0	1.34	0	0	0	0
3080	0	0	52.8	27.75	8.13	0	0	59.22	0	107700	0	19.99	0	2.26	0	0	0	0	0	0
3160	0	14.35	5.02	1.04	0	0	0	0	0	409500	0	0	0	0	1.54	0	7.11	0	0	0
3240	0	2.16	4.31	0	56.23	24.15	0	0	52.74	0	0	0	0	1.63	1.76	11.07	4.9	0	0	0
3300	42.31	0	0	10.81	7.84	0	0.45	24.41	29.43	0	0	5.57	0	0	1.84	0	0	5	0	0
3340	13.38	0	0	0	0	40.34	0	14.98	1969000	0	0	0	0	0.05	0.91	12.64	0	0	0	0
3380	7.13	0	0	8.41	26.28	0	0	0	0	0	0	0	0	1.25	0	8.46	19.04	0	0	0
3420	8.43	0	0	0	12.09	0	41.17	5.9	12.94	326300	0	3.59	0	0	0	0	0	0	0	0
3460	0	0	0	3.02	25.81	57.14	0	0	1.76	1841000	0	0	0	3.28	0	12.61	2.94	0	0	0
3500	0	5.08	0	2.51	13.83	0	0	0	0	627300	0	0	0	0	0.63	0	0	0	0	0
3540	7.85	10.81	78.24	0	39.85	5.05	0	0	0	2175000	0	1.44	0	0	0	0	0	0	0	0
3580	7.52	8.58	0	14.87	0	17.14	0	47.45	17.24	0	0	9.62	0	0	0.85	0	0	2.77	0	0
3620	0	28.17	0	20.6	20.09	11.06	45.98	1.71	0.63	1076000	0	10.62	0	4.1	0	0	0	0	0	0
3660	46.75	33.31	2.03	21.18	4.95	0	58.22	1.12	20.64	0	0	4.2	0	0	0	0	0	0	0	0
3700	0	1.95	15.57	15.88	0	0.92	0	14.96	0	0	0	18.54	0	1.52	18.9	0	2.94	0	0	0
3740	1.9	0	0	0	0	22.08	0	8.89	0.07	0	0	9.19	0	0	11.04	0	0	1.94	0	0
3780	0	0	0	0	6.16	0	0	0	0	0	0	0	0	0	0	0	0	1.75	0	0
3820	0	0	6.74	12.13	26.71	0	0	40.57	0	3447000	0	0	0	0.74	12.24	1.34	37.82	0	0	0
3860	0	0	0	27.33	0	47.79	7.57	0	0	330400	0	3	0	0	6.74	2.48	0.85	41.85	0	0
3900	13.74	4.97	30.7	9.07	0	0	149.5	22.53	0.07	0	0	14.46	0	0	0	0	0	0	0	0
3940	0	30.79	0	0	44.34	0	22.21	8.45	0	0	0	0	0	0	0	0	0	0.83	0	0
3980	11.62	5.92	56.52	29.63	45.06	19.61	40.67	29.23	0	1488000	0	0	0	0.79	0	5.53	5.44	10.07	0	0
4020	31.47	42.17	0	40.53	0	41.42	42.65	88.62	6.23	0	0	0	0	1.31	16.14	0	2.56	18.35	0	0
4060	19.78	42.28	51.61	39.29	74.19	59.97	2.24	0	0	0	0	35.22	0	0	0.94	0	3.45	0	0	0
4100	56.04	2.12	47.61	36.12	0	58.01	52.09	59.82	41.67	0	0	57.98	0	11.1	0	0	14.44	10.31	0	0
4140	45.49	142.0	13.45	0.2	142.7	313.6	128.7	44.04	0	788100	0	34.18	0	0	0	3.62	0	0	0	0
4180	66.89	109.2	142.2	200.5	416.7	265.1	196.3	155.7	251.93	0	0	0	0	1.49	17.88	34.41	0.85	63.68	0	0
4220	34.60	137.5	142.8	211.7	188.3	216.4	293.4	124.8	57.1	2005000	0	12.9	0	0	0.26	32.34	37.13	12.79	0	0
4260	448.5	210.6	352.8	551.7	685.1	738.4	359.8	195.4	102	9036000	0	0	0	6.34	14.83	2.94	0.188	96.75	0	0
4300	127.0	280.7	439.9	614	524.7	419.5	336.4	551.2	377.4	1989000	0	13.05	0	2.62	15.6	24.02	67.23	46.25	0	0
4340	308.1	284	541.9	932.8	1212	1180	758.6	563.2	377.4	4291000	0	22.38	0	1.82	13.1	72.79	104.5	172.2	0	0
4380	20.7	158.9	70.13	384.1	121.4	267.8	218.5	79.29	111.3	1722000	0	0	0	0	16.68	24.82	51.89	84.79	0	0
4420	612.1	1267	1478	2714	2792	2830	2102	2211	834.8	7184000	0	141.4	0	10.53	66.88	176	438.4	449	0	0
4460	77.86	31.82	124.2	104.3	40.88	166.2	24.42	0	83.94	0	0	0	0	0.83	29.21	0	4.34	0	0	0
4500	287.9	788.2	1103	1136	1841	1879	1838	1237	417.1	8349000	0	39.21	0	0.02	41.34	196.2	214.6	338.1	0	0
4540	122.2	164.8	205.9	191.2	425.5	383.2	151.9	0	164	0	0	29.11	0	1.47	0.24	11.84	1.52	14.39	0	0
4580	294.7	583.8	702.3	893.0	1140	735.5	906.4	389.5	591.1	0	0	5.72	0	4.43	55.93	103.4	114.4	217.4	0	0
4620	741.6	513.6	1101	1121	1218	1335	735.3	744.5	114.7	0	0	114.3	0	0	7.17	139.2	205.4	0	0	0
4660	0	57	151.9	271.9	304.9	210.7	142	126.7	51.86	409400	0	10.37	0	2.26	5.46	10.4	85.73	44.89	0	0
4700	146.5	112	48.31	139.2	104.8	209.6	147.8	122.2	189.4	1861000	0	0	0	0	0	88.81	4.71	14.67	0	0
4740	133.6	197.6	271.6	249.2	288.4	540.4	330.8	148.7	204.8	0	0	0	0	0.3	7.24	19.07	0.52	88.18	0	0
4780	142.1	117	81.33	327.2	243.7	101.7	88.61	135.9	0	0	0	13.16	0	0	0	0	0	0	0	0
4820	9.49	29.48	243.1	171.2	73.06	88.62	68.6	0	0	0	0	0	0	0	12.01	0	10.37	17.85	0	0
4860	36.66	88.86	34.27	124.8	92.41	72.11	159.7	87.06	0.01	1207000	0	0	0	0	1.37	47.63	1.84	0	0	0
4900	48.57	185	77.91	0	268.7	35.85	182.3	170.9	52.68	2404000	0	23.16	0	0	27.68	0	0	0	0	0
4940	23.52	0	122.4	123.9	142.4	32.95	0	18.4	0	878300	0	8.55	0	0	0	0	10.66	0	0	0
4980	0	95.74	317.7	224.6	181.5	0	192.3	0	0	850500	0	29.26	0	0	1.74	0	42.02	102.4	0	0
5020	0	6.21	97.87	0	92.04	0	0	52.31	129.6	2258000	0	0.77	0	0	0.02	29.37	17.77	21.87	0	0
5060	0	8.21	43.04	199.2	17.32	79.9	133.6	0	0	465300	0	16.33	0	0	0	0	11.2	44.33	0	0
5100	16	19.61	101.9	181.8	209.4	84.62	0	0	682200	0	0	0	0	0	12.7	24.88	0	18.69	0	0
5140	367	579	910.2	1512	1257	1567	1032	612.1	407.4	292300	0	21.34	0	1.31	0	7.79	61.46	296.2	0	0
5180	11.05	11.79	0	130.2	27.75	0	0	99.11	395.6	0	0	0	0	0	0	0	25.51	0	0	0
5220	66.61	220.7	168.9	260.1	417.4	266.4	275.4	146.2	74.11	0	0	0	0	0	14.26	12	26.83	104	0	0
5260	27.1	75.92	131	133.1	118	206.4	0	0	80.21	373500	0	17.27	0	1.46	0	23	18.81	40.34	0	0
5300	0	202.7	125.3	340.1	345.6	202.7	194.7	281	95.31	0	0	4.73	0	0	0	0	26.98	54.48	0	0

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Depth	AMU161	AMU162	AMU163	AMU164	AMU165	AMU166	AMU167	AMU168	AMU169	AMU170	AMU171	AMU172	AMU173	AMU174	AMU175	AMU176	AMU177	AMU178	AMU179	AMU180
4300	82.83	168.9	195.4	433.6	500.4	322.2	111.6	167.5	105.4	1588000	0	24.81	0	1.65	27.07	29.01	27.44	17.74	0	0
4320	0	0	0	50.49	0	3.16	292.7	209.9	87.76	6518000	0	14.23	0	0	9.35	21.40	15.23	15.06	0	0
4340	0	22.15	19.48	72.52	63.13	0	71.51	307.2	31.29	3614000	0	0	0	0	0	0	0	0	0	0
4360	66.67	108.7	136.2	144.6	102.7	129.7	11.37	11.52	0	0	0	0	0	11.57	2.78	0	27.25	0	0	0
4380	307.4	44.02	198.4	0	146	194.2	138.7	0	0	2902000	0	0	0	2.39	0	10.93	44.58	15.08	0	0
5000	20.31	106.6	64.56	190.7	97.01	262.4	77.89	179.7	67.06	1320000	0	0	0	0	23.47	90.57	17.74	0	0	0
5020	15.79	63.12	49.76	42.65	46.58	0	10.34	26.79	0	2538000	0	0	0	0	8.1	8.29	57.74	0	0	0
5040	34.25	0	81.54	179.5	735.5	210.1	125.5	131	113.5	0	0	0	0	0	0.23	15.63	24.71	0	0	0
5060	52.7	0	174.3	0	246.8	80.45	140.3	0	0	2494000	0	0	0	0	0	2.12	18.92	0	0	0
5080	104.1	73.47	101.1	47.37	46.1	92.41	105.9	161.8	56.57	4644000	0	0	0	4.74	0	19.44	44.17	28.77	0	0
5100	329.5	367.8	753.9	886.8	999.2	70.45	621.9	352.3	54.95	2243000	0	0	0	6.58	29.72	51.43	91.29	117.5	0	0
5120	35.23	134.2	191.5	192.3	264.8	263.8	5.4	0	49.64	0	0	0	0	1.42	0	18.31	18.7	0	0	0
5140	0	17.78	110.4	123.5	132.4	88.40	167.3	0	85.87	1995000	0	0	0	0	0	10.15	9.58	0	0	0
5160	3.6	88.04	195.5	173.5	135.8	245.1	183	142.3	29.08	1364000	0	78.61	0	9.41	5.56	3.37	4.25	81.13	81.2	0
5180	55.12	49.43	39.53	389.6	89.84	207.5	105.2	332.5	172.8	1057000	0	0	0	0	0	0	0	0	0	0
5200	113.5	9.31	172.8	212.2	137.6	39.05	0	35.14	36.91	9727000	0	11.02	0	0	0	5.52	0	0	0	0
5220	40.15	19.17	51.4	66.74	205.1	215.3	65.63	33.11	41.65	2024000	0	0	0	0	0	0	0	0	0	0
5240	0	38.09	106	17.06	84.69	88.18	3.67	32.98	0	2829000	0	10.67	0	0	4.14	5.65	0	62.13	0	0
5260	12.83	84.14	0	238.6	149.3	90.27	189.6	240.3	119.2	0	0	18.62	0	0	14.42	47.89	65.33	88.63	0	0
5280	0	47.14	64.05	192	349.3	158.9	53.29	49.37	127.6	0	0	0	0	0	0	2.74	0	83.31	84.2	0
5300	46.1	29	145.3	125.8	100.7	374.3	33.95	116.7	0	4953000	0	0	0	0	1.07	4.91	20.24	2.45	17.51	0
5320	35.53	24.14	134.6	122.8	162.7	174.3	0	199.5	0	2053000	0	0	0	0	6.84	0.03	37.74	103.1	81.2	0
5340	76.31	66.75	178.9	173.2	70.97	29.02	148.9	141.6	133.1	2723000	0	0	0	0	0	29.3	16.29	17.98	81.2	0
5360	67.7	84.54	140.1	142.8	0	123	89.07	51.99	0	0	0	6.26	0	1.55	52.53	0	0	84.14	81.2	0
5380	13.94	61.96	3.69	6.53	120.3	21.23	170.7	77.81	64.12	1968000	0	0	0	0	0	0	31.76	0	60.41	0
5400	0	69.22	0	0	289.7	355	0	60.35	0	6404000	0	0	0	0	10.72	0	10.24	7.84	0	0
5420	118.9	73.29	27.45	90.77	190.5	399.2	214.2	0	0	0	0	0	0	3.91	8.09	4.37	18.17	11.33	81.2	0
5440	79.1	20.62	37.61	0	76.41	88.43	0	38.27	0	28570	0	7.62	0	0.94	0	27.54	0	0	81.2	0
5460	41.02	37.14	95.45	37.76	0	111.1	18.77	13.77	26.3	0	0	10.28	0	0	0	0	0	11.90	44.91	81.2
5480	111.7	74.73	170.3	309.9	117.6	228.2	203.2	85.81	191.8	0	0	0	0	4.07	3.14	27.87	94.72	67.54	81.2	0
5510	0	43.46	153.4	172.4	53.62	118.8	105.2	0	47.49	3894000	0	0	0	0.72	0	18.54	0	60.41	81.2	0
5530	0	22.06	52.11	0	16.44	184	217.3	229.8	44.26	0	31.33	0	0	0	0	0	0	72.45	14.4	0
5550	20.56	50.86	42.04	99.17	75.01	80.67	206	175.5	133.5	2091000	0	0	0	0	0	0	0	0	0	0
5570	45.78	20.25	0	266.8	184.9	75.93	111.1	125.8	168.8	9158000	0	0	0	4.48	0	0	0	37.71	0	0
5590	33.19	197.16	24.95	125.5	111	181.2	107.9	95.55	6.48	0	0	0.02	0	4.12	21.5	20.81	0	114.7	81.2	0
5610	44.22	54.57	39.13	318.5	210.9	295.6	59.58	285.7	236.1	0	0	20.2	0	0	0	48.4	5.35	0	81.2	0
5630	56.3	0	57.47	55.54	71.81	325.4	0	35.66	0	0	0	25.99	0	0	0	0	31.15	25.3	0	0
5650	0	0	16.44	184	217.3	229.8	44.26	0	0	0	0	0	0	1.13	0	1.31	19.14	97.08	81.2	0
5670	47.92	89.93	40.61	147.5	186.2	169.5	180.8	0	0	1484000	0	0	0	2.86	0	5.46	31.89	51.2	81.2	0
5690	125.3	127.4	321.7	219.3	349.3	277.5	461.8	205.7	6581000	0	5.58	0	0	1.23	5.36	9.93	97.08	71.4	81.2	0
5710	143.2	0	0	198.2	129.9	1.18	406.4	89.03	21.86	4937000	0	10.04	0	6.43	0	14.74	0	0	0	0
5730	457.9	412.9	185.1	105.1	1014	1054	630	371.2	309	1643000	0	25.93	0	5.75	88.8	15.78	163.4	142.6	81.2	0
5750	444.2	548.9	641.1	1135	1247	998.3	724.9	1041	119.7	5818000	0	0	0	0	9.41	73.65	137.5	132.8	81.2	0
5770	125.8	0	143.6	227.7	134.2	0	126.8	2.15	0	58170	0	0	0	0	2.72	11.64	62.16	29.13	81.2	0
5790	350.3	741.3	406	878	1403	7.1	608.2	450.1	0	0	0	247.8	0	45.33	0	18.59	80.19	0	81.2	0
5810	144.1	228.5	532.6	393.7	532.1	177.4	732.7	167.8	0	0	0	138	0	0	0	18.81	45.63	0	81.2	0
5830	114.7	53.34	93.3	306.7	712.9	0	14.41	367.5	129.1	9996000	0	260.5	0	14.55	34.44	0	0	0	87.87	81.2
5850	305.3	142	49.4	693.3	684.5	1.12	230.7	147.7	0	5913000	0	42.55	0	0	0	0	0	0	81.2	0
5880	0	123	27.87	335.7	230.1	0	0	0	0	0	0	306.4	0	4.15	15.2	0	0	0	0	0
5900	132.7	93.77	95.73	228.1	133.1	0	7.1	46.95	0	0	0	93.52	0	0	0	0	5.8	0	47.7	81.2
5920	64.86	133.4	264.4	498.8	646.1	0	31.18	412.9	0	1753000	0	6.22	0	0	0	7.4	0	29.87	213.7	81.2
5940	110.1	12.28	0	87.28	198.5	0	11.1	54.88	243.4	0	0	15.18	0	0	0	0	0	0	81.2	0
5960	46.19	45.36	0	207.9	178.4	0	33.9	0	3.63	0	0	4.31	0	0	0	0	0	0	81.2	0
5980	20.93	173.6	0	57.57	0	0	0	19.53	0	0	0	25.23	0	0	0	60.44	17.7	22.71	10.37	81.2
6000	71.57	27.09	78.64	238.5	209.2	21.72	14.84	228.5	114.7	1230000	0	0	0	0	5.92	4.38	27.08	0	81.2	0
6020	33.51	35.54	108	103.4	40.17	28.41	91.87	154.5	71.74	2278000	0	0	0	1.85	1.6	7.67	10.25	7.1	81.2	0
6040	47.25	82.76	100.4	144.8	0	230.9	145.2	44.6	101.7	0	0	0	0	4	0	6.49	55.47	91.42	81.2	0
6060	0	72.45	184.6	237.4	63.93	104.8	238	0	17.67	0	0	4.11	0	0	7.81	5.39	0	0	81.2	0
6080	119	254.7	100.4	48.14	126.9	110.1	50.89	21.17	0	0	0	0	0	0	0	0	0	0	81.2	0
6100	74.55	70.04	124.9	39.24	19.23	478.2	263.3	25.96	176.8	0	0	0	0	0	0	0	0	0	81.2	0
6120	107.3	59.17	161.3	261.9	0	142.1	283.4	0	58.43	0	0	9.25	0	0	0	0	0	0	81.2	0
6140	74.85	72.16	35.52	277.6	0	53.72	263.2	0	78.65	0	0	0	0	0	0	4.45	10.69	2.64	0	0
6160	30.55	20.9	0	64.99	43.1	75.72	201.8	134.3	212	0	0	33.43	0	0	0	0	0	0	81.2	0
6180	159.4	0	0	130.7	0	138	198.8	0	0	3367000	0	1.35	0	0	0	20.86	0	0	81.2	0
6200	142.7	172.3	124.9	46.02	281.2	282.6	80.53	287.2	43.56	2211000	0	0	0	0	5.27	0	2.71	55.02	61.63	81.2
6220	252.4	174.2	171.4	357.3	219.8	283.5	0	313.3	0	0	0	0	0	0	34.43	20.55	86.77	51.11	81.2	0
6240	74.7	0	0	169.6	183.9	263.3	80.42	0	20.09	2787										

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Depth	AMU161	AMU162	AMU165	AMU164	AMU165	AMU166	AMU167	AMU168	AMU169	AMU170	AMU171	AMU172	AMU173	AMU174	AMU175	AMU176	AMU177	AMU178	AMU179	AMU180
6450	56.15	0	33.41	39.53	0	228.9	73.41	0	0	0	12.71	0	0	19.64	0	37.71	17.44	0	0	0
6470	128.3	24.87	84.73	131.2	83.7	139.6	53.55	67.93	0	1689000	0	0	0	0	0	20.75	0	0	0	0
6490	18.4	200.6	98.49	41.73	89.7	203.1	231.4	38.15	130.7	0	0	0	0	4.85	1.75	0.09	64.66	0	0	0
6510	69.86	21.85	9.59	312.5	273.1	0	125	220.4	0	0	0	0	0	0	0	40.33	7.07	8.19	47.94	0
6530	18.33	15.94	85.92	0	118.9	110.8	50.02	75.07	148.4	3005000	0	0	0	0	0	9.12	5.57	57.33	24.35	47.94
6550	93.19	31.64	4.63	0	35.15	125.7	130.8	100.8	39.64	0	0	0	0	0	0	0	0	0	0	0
6570	0	143.9	61.35	12.7	0	68.53	0	0	75.1	1187000	0	0	0	0	0	0	0	0	0	0
6590	84.28	28.28	2.68	146.6	86.52	32.66	301.5	41.99	1.6	1238000	0	0	0	0	0	0	0	0	0	0
6610	0	0	224.9	20.37	176.6	0	134.4	0	0	228600	0	0	0	0	0	0	0	0	0	0
6630	0	26.15	0	62.36	31.4	71.89	2.15	158.5	0	8105000	0	0	0	0	0	0	0	0	0	0
6650	64.09	0	61.13	0	58.95	22.37	0	35.22	2.97	4132000	0	0	0	0	0	0	0	0	0	0
6670	0	49.33	62.95	116.5	0	136.6	111.8	0	0	0	0	0	0	0	0	0	0	0	0	0
6690	83.58	21.73	0	0	113.7	0	0	50.0	32.4	0	0	0	0	0	0	0	0	0	0	0
6710	0	0	0	0	367.1	54.3	36.53	0	0	2627000	0	0	0	0	0	0	0	0	0	0
6730	0	0	53.73	47.83	0	0	0	0	72.47	3272000	0	0	0	0	0	0	0	0	0	0
6750	0	107.7	85.77	0	81	33.89	0	0	17.7	0	0	0	0	0	0	0	0	0	0	0
6770	95.01	0	83.31	0	0	129.6	212.4	0	12.11	2891000	0	0	0	0	0	0	0	0	0	0
6790	6.81	162.4	168.6	271.2	14.01	32.3	145.8	192.2	17.21	0	0	0	0	0	0	0	0	0	0	0
6810	0	81.33	35.13	47.04	0	376.1	40.47	0	0	436500	0	0	0	0	0	0	0	0	0	0
6830	0	89.45	53.35	231.4	111.7	238.5	245.8	57.33	169.3	2501000	0	0	0	0	0	0	0	0	0	0
6850	177.4	0	58.02	194.2	207	554.6	0	0	333.6	41.76	0	0	0	0	0	0	0	0	0	0
6870	0	47.01	98.62	201.1	81.09	218.5	164	216.8	0	0	0	0	0	0	0	0	0	0	0	0
6890	0	0	0	71.2	118.5	272.6	158.8	1.9	0	46490	0	0	0	0	0	0	0	0	0	0
6910	53.24	5.95	92.62	0	85.07	0	46.12	55.34	0	0	0	0	0	0	0	0	0	0	0	0
6930	48.08	58.11	27.35	0	212.4	56.16	0	0	0	83340	0	0	0	0	0	0	0	0	0	0
6950	56.31	53.13	25.09	209.4	0	18.22	42.5	0	0	56.67	504.3	0	0	0	0	0	0	0	0	0
6970	103.1	162.5	291.9	147	265.7	300.4	0	0	130.4	4593000	0	0	0	0	0	0	0	0	0	0
6990	107.2	308.1	209.4	390.7	724.9	1039	392.7	158.8	216.4	0	0	0	0	0	0	0	0	0	0	0
7010	59.16	136.6	240.1	120.9	148	83.86	0	244.5	57.94	0	0	0	0	0	0	0	0	0	0	0
7030	0	118.2	17.38	57.31	200.8	70.12	209	148.2	30.74	0	0	0	0	0	0	0	0	0	0	0
7050	184.9	97.8	64.33	114.5	19.16	0	209.3	0	0	0	0	0	0	0	0	0	0	0	0	0
7070	120.2	52.31	98.38	186.2	0	236.9	3.44	176.9	22.01	0	0	0	0	0	0	0	0	0	0	0
7090	0	19.86	41.86	0	0	138.9	0	0	56.36	0	0	0	0	0	0	0	0	0	0	0
7110	47.6	0	0	0	26.28	0	0	79.66	241.3	0	0	0	0	0	0	0	0	0	0	0
7110	166.7	0	80.85	80.28	0	76.03	209.4	151.1	0	0	0	0	0	0	0	0	0	0	0	0
7130	141.7	67.05	16.13	80.59	239.5	28.26	40.26	0	117.3	0	0	0	0	0	0	0	0	0	0	0
7140	0	43.31	0	51.48	41.8	318.5	228.3	0	0	0	0	0	0	0	0	0	0	0	0	0
7160	88.55	0	0	13.69	0	3.84	3.85	118.2	172.5	4095000	0	0	0	0	0	0	0	0	0	0
7170	0	147.4	73.83	102.8	220.3	191.8	123.4	13.6	0	1193000	0	0	0	0	0	0	0	0	0	0
7180	0	5.4	33.8	0	87.62	0	0	25.2	0	164300	0	0	0	0	0	0	0	0	0	0
7200	54.16	34.7	98.14	3.84	0	44.02	0	0	5051000	0	0	0	0	0	0	0	0	0	0	0
7220	0	53.09	54.33	0.28	306.7	114.3	36.97	34.48	0	0	0	0	0	0	0	0	0	0	0	0
7240	0	137.9	0	0	171.4	0	0	123.1	125.3	0	0	0	0	0	0	0	0	0	0	0
7260	0	6.83	50.07	129.9	0	68.16	139.4	0	161100	0	0	0	0	0	0	0	0	0	0	0
7280	0	13.2	0	0	0	137.5	36.2	52.75	5.59	0	0	0	0	0	0	0	0	0	0	0
7300	0	19.70	31.72	48.07	0	0	0	56.45	0	655000	0	0	0	0	0	0	0	0	0	0
7320	210.3	0	65	79.37	113.8	0	4.04	134.1	169.1	3614000	0	0	0	0	0	0	0	0	0	0
7340	283.5	360.5	380	1609	580.3	633.2	723.3	72.2	0	2332000	0	0	0	0	0	0	0	0	0	0
7360	272.4	213.4	69.64	13.03	154.2	2.21	82.16	0	0	5941000	0	0	0	0	0	0	0	0	0	0
7380	0	52.11	0	0	11.37	82.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7400	125	0	42.09	173.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7420	0	114.3	0	0	65.13	0	2.91	95.56	129.5	0	0	0	0	0	0	0	0	0	0	0
7440	0	0	76.08	0.13	177.9	0	23.19	0	0	0	0	0	0	0	0	0	0	0	0	0
7460	44.95	0	35.8	143.8	377.2	0	43.8	0	0	0	0	0	0	0	0	0	0	0	0	0
7480	0	45.9	0	88.30	127.2	0	0	201.7	7.13	0	0	0	0	0	0	0	0	0	0	0

A Interpretation of Fluid Inclusion Stratigraphy (FIS) Data

A.1 FIS Analysis

A.1.1 Introduction to FIS Analysis

Fluid Inclusion Stratigraphy involves the rapid, complete analysis of volatiles trapped as fluid inclusions in rock samples using quadrupole mass analyzers attached to an automated, high-vacuum sample introduction system. The technique documents the presence and relative bulk abundance of ionized volatile fragments with mass/charge ratio of $1 \leq m/z \leq 180$ that have been released from fluid inclusions by crushing of natural samples. This includes most geologically important inorganic species as well as organic species with less than or equal to 13 carbon atoms. The resulting analysis of the petroleum fraction is comparable to the low molecular weight fraction of a whole-oil gas chromatographic-mass spectrometric (GCMS) analysis (without devolatilization of the gas fraction); hence, the major classes of hydrocarbons (e.g., aromatics, naphthenes and paraffins) are represented. Unlike GCMS, where the quadrupole is front-ended with a GC, boiling point separation is not achieved and all species are analyzed simultaneously. Hence, significant interference can occur among species with the same mass to charge ratio. However, what FIS lacks in compound specificity, it makes up for in sensitivity and speed, allowing detection of petroleum in samples that are well beyond the reach of standard GCMS methodologies.

Prior to analysis, samples of rock material are freed of significant interfering contamination by washing, picking and magnetic separation as necessary to remove drilling fluids, lost circulation materials, other solid mud additives such as gilsonite, and metallic particles from the drillstring. Cleaned samples are loaded with appropriate standards into specially designed autosamplers and are heated in a vacuum oven for a minimum of 24 hours. This is done to remove adsorbed organic and inorganic volatile material that could interfere with the analysis. The autosampling device is placed in the vacuum system and evacuated to appropriate high vacuum. Bulk fluid inclusion volatiles are afterwards instantaneously released from each sample in a sequential manner by automated mechanical crushing. Volatile organic and inorganic species are dynamically pumped through quadrupole mass analyzers where they are ionized, separated according to their mass/charge and recorded.

Fluid Inclusion Stratigraphy is unique in several ways: 1) the methodology and theoretical framework are the result of a long-standing research and development effort, 2) the cumulative experience and database of documented case histories are the most extensive in the world and 3) the technology represents the most rapid analytical capability of its kind available. The resulting dataset can provide a nearly continuous log of present and past pore fluid chemistry through the stratigraphic section penetrated by a well, and, given adequate sample coverage, the data can be mapped in two or three dimensions.

A.1.2 Introduction to FIS Data Interpretation

The following sections provide guidelines for interpreting Fluid Inclusion Stratigraphy (FIS) data that were developed during evaluation of a large number of wells from many geologic and structural environments over the years. This methodology was followed in preparing the annotated depth plots found at the front of this report and is adequate for most circumstances. There are two levels of interpretation to be considered:

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1. Interpretation of FIS data by itself (basically describing what volatiles are present and in what relative proportion).
2. Interpretation of the significance of FIS data in a geologic context to answer a specific petroleum system question.

These guidelines concentrate on addressing the first level of interpretation, both because potential geologic scenarios are too variable to be thoroughly considered here, and because the end user is in the best position to judge the ultimate significance of these data after integrating the FIS data set with other information. When interpreting FIS data, the following statements apply:

1. FIS interpretations are generally qualitative.
2. Chemical relationships displayed in FIS data are either obvious or they are unreliable as exploration tools.
3. FIS interpretations are usually simple, but may be equivocal without supporting information.

A.1.3 FIS Data Consists of Two Parts

There are two parts to a conventional FIS data set, and each must be evaluated in detail.

1. Stratigraphic profiles of critical species and species ratios with depth (Sections 2.1 & 2.2).
2. Individual mass spectra for each sample (Appendix C).

A mass spectrum is a graphical display of the log of the ion current (measured on the mass spectrometers' detectors) as a function of the mass-to-charge ratio (m/z) of the detected ions (this will become clearer after reading the sections below). The amplitude of the ion current is proportional to the quantity of each type of ion, which, in turn, is proportional to the abundance of the species in the original gas mixture. Discrete peaks occur because the charged substances have discrete masses and discrete charges (usually single and positive).

There is a tendency for end users to concentrate on interpreting the first part of the data set (depth plots) and ignore the second (individual mass spectra). However, as will be shown, evaluation of individual FIS mass spectra is as important to the overall FIS interpretation as pattern-recognition of whole-oil chromatograms is to evaluating oil families. Imagine taking a single species present in a chromatogram and plotting it as a function of depth in the reservoir without ever considering its relationship to other species that are present. Certainly useful information results, but not nearly as much as could be offered by looking at the overall species distribution in the chromatogram in addition to the absolute abundance of a species or the ratio of two species as a function of depth. Similarly, both FIS depth plots and individual mass spectra are important to the final interpretation.

A.2 FIS Mass Spectra

A.2.1 Understanding FIS Mass Spectra

FIS data are collected on quadrupole mass spectrometers. These instruments distinguish among positively charged species using an electrodynamic field produced by application of combined RF and DC voltages to two pairs of metal rods in the filter section. A species

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with a specific ratio of mass to charge (m/z) will have a dynamically stable trajectory within the field formed by the voltages on the rods, while all other species are filtered out. By continuously varying the applied voltages, a range of charged substances can be sequentially stabilized and allowed to traverse the length of the filter assembly to the detector. FIS data currently provided consists of measured responses on m/z 1-180. This mass range allows detection of all volatile inorganic species as well as organic compounds with up to 13 carbon atoms (C_{13}). Detection is accomplished either with a Faraday cup, which reads ion currents directly from the filter without amplification, or by an electron multiplier, which amplifies the single charge of a given ion into a current.

In order for species to be detected they must be charged (ionized). This is accomplished by bombarding volatiles released from fluid inclusions with electrons that are thermionically emitted from a hot filament. Energy transference from electrons to neutral particles generally results in positively charged parent ions, while excess energy obtained by a molecule in the initial ionizing collision results in fragmentation of the parent molecule into several species. For a single parent molecule, the resulting mass spectrum is known as a fragmentation pattern. The distribution of ions from a given species can generally be predicted by considering all combinations of molecules and isotopic variants. The following example illustrates this concept.

Molecular carbon dioxide has a formula CO_2 and most common molecular mass of 44. In detail, the mass of a given molecule of CO_2 can be 44, 45, 46, 47, 48 or 49 because both carbon and oxygen have two significant, naturally occurring isotopes (^{12}C , ^{13}C , ^{16}O and ^{18}O). Hence, the fragmentation pattern of CO_2 would be expected to contain the singly charged species CO_2^+ , CO^+ , C^+ and O^+ with all possible isotopic permutations (14 possible masses). Additionally, doubly charged species can be produced. These species, although much rarer, have m/z of exactly half of their singly charged counterparts (e.g., $^{12}C^{16}O^{16}O^{++}$ has m/z of $44/2 = 22$). Some peaks associated with doubly charged ions appear midway between two integer m/z locations (e.g., $^{13}C^{16}O^{16}O^{++}$ has m/z of $45/2 = 22.5$). In general, instrument parameters favor the production of singly charged species. The relative frequency at which a given species will be produced and detected reflects natural isotopic abundance, ion production statistics and instrument parameters. In the above example of CO_2 , the representative fragmentation pattern shown in Table V has been reported.

Table V: Partial Fragmentation Pattern for Carbon Dioxide

Mass	Species	Abundance	Mass	Species	Abundance
6	$^{12}C^{++}$	0.0005	28	$^{12}C^{16}O^+$	15
8	$^{16}O^{++}$	0.00046	29	$^{13}C^{16}O^+$	0.15
12	$^{12}C^+$	6.3	30	$^{12}C^{18}O^+$	0.029
13	$^{13}C^+$	0.063	31	$^{13}C^{18}O^+$	0.0029
16	$^{16}O^+$	13	44	$^{12}C^{16}O^{16}O^+$	100
18	$^{18}O^+$	0.0088	45	$^{13}C^{16}O^{16}O^+$	1.2
22	$^{12}C^{16}O^{16}O^{++}$	0.52	46	$^{12}C^{18}O^{16}O^+$	0.38
22.5	$^{13}C^{16}O^{16}O^{++}$	0.0047	47	$^{13}C^{18}O^{16}O^+$	0.0034
23	$^{12}C^{18}O^{16}O^{++}$	0.0012	48	$^{12}C^{18}O^{18}O^+$	0.00054
			49	$^{13}C^{18}O^{18}O^+$	0.000043

In spite of the usage in the previous paragraph, the term "parent peak" is generally given to the most intense peak of the mass spectrum of a single compound, while the term "molecular peak" is given to the singly charged ion with the same atomic mass as that of the pure compound. In the example above, both the parent and molecular peaks of CO_2 occur at $m/z = 44$. It is frequently the case, however, that the most intense peak is not the molecular peak. For instance, many normal paraffins with three or more carbon atoms (n-propane and greater) have parent peaks at $m/z = 43, 57$ or 71 .

Complex volatile mixtures have mass spectra characterized by multiple, interfering ions on a given m/z , making it difficult or impossible to find a "clean" peak indicative of a specific species. Generally, higher m/z positions display more interference, but even low m/z have these overlaps (e.g. HD^+ and $^3\text{He}^+$ both appear at $m/z = 3$). This brings us back to one of the original points mentioned in the Introduction: mass spectra of multicomponent gas mixtures are qualitative in the sense that the absolute abundance of most species cannot be calculated. Nevertheless, similar compounds give similar fragmentation patterns that tend to be distinct from other classes of compounds. Because of this, the major classes of organic species (paraffins, naphthenes and aromatics) can be distinguished and their relative abundance estimated. Similarly, it is useful to consider the assemblage of anomalous peaks in a given mass spectrum, as these will often indicate the presence of compounds that are concentrated by similar subsurface processes (e.g., the water-soluble species benzene, toluene and acetic acid as the primary indicators of "proximal pay"). It is these assemblages that are most useful for distinguishing among major types of FIS mass spectra, as well as inferring the presence of a specific compound even where interfering ions are possible.

A.2.2 Five Types of FIS Mass Spectra

FIS mass spectra can be classified into five end member types:

1. *Non-hydrocarbon FIS Mass Spectra*
2. *Gas-range Enriched FIS Mass Spectra*
3. *Liquid-range Enriched FIS Mass Spectra*
4. *Water-soluble Enriched FIS Mass Spectra*
5. *Sulfur-compound Enriched FIS Mass Spectra*

Mixtures and gradations among these ideal end members are common. In considering the fragmentation patterns of organic species, it is useful to keep in mind the general formulas for the three dominant hydrocarbon classes:

1. *Paraffins*: $\text{C}_n\text{H}_{2n+2}$
2. *Naphthenes*: C_nH_{2n}
3. *Aromatics*: $\text{C}_n\text{H}_{2n-6}$

Non-Hydrocarbon FIS Mass Spectra

Non-hydrocarbon spectra generally show four major clusters or "humps" centered at approximately m/z 15, 28, 42 and 55. The tallest three peaks in these spectra occur within the

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first three clusters at m/z 18, 28 and 44, and are attributable largely to water and carbon dioxide (with possible contributions from nitrogen on m/z 28). Most of the other peaks in the m/z 2-46 range of non-hydrocarbon spectra can be attributed to inorganic species or very minor organic contributions. Water and carbon dioxide are the two most abundant volatile species in subsurface pore fluids, hence their predominance here. FIS analysis is a bulk extraction technique, hence, many generations of fluid inclusions are potentially analyzed simultaneously. Because hydrocarbon inclusions are always present in much lower abundance than aqueous inclusions in a given rock volume, water and CO_2 peaks will generally dominate all FIS mass spectra, even those displaying hydrocarbon enrichment.

The fourth cluster of peaks, centered on m/z 55, represents minor amounts of hydrocarbons that are present in nearly all samples, as most hydrocarbons have a significant contribution in the m/z 55-57 area. Note, however, that even the largest of these peaks is generally three orders of magnitude below the major non-hydrocarbon peaks. Also, note that m/z 55 is commonly more abundant than m/z 57. The m/z 55 peak represents a major contribution from naphthenes, while the m/z 57 peak is generally a primary paraffin peak. The relative enrichment of naphthenes over paraffins in aqueous-dominated (non-hydrocarbon) FIS spectra may reflect the relative solubility of these species in water, as the progression from least soluble to most soluble follows the general rule: paraffins < naphthenes < aromatics. It is probable that these minor species are dissolved within aqueous fluid inclusions. The solubility of even relatively insoluble C_4 paraffin in water can be several hundred parts per million, well within the detection limit of the FIS system.

Gas-Range Enriched FIS Mass Spectra

Gas-enriched spectra are characterized by strong responses on C_1 - C_3 hydrocarbons with dwindling responses in the C_6 - C_8 range, and essentially no response in the C_9 + range. Drier gases may exhibit responses only in the C_1 - C_3 range. Naturally occurring hydrocarbon gases tend to be dominated by short-chain paraffins; hence, these are the primary peaks to look for in identifying gas FIS spectra. Predominant peaks (parent and some significant subordinates with intensity of at least 10% of the parent) for low-molecular weight normal paraffins and naphthenes (cycloparaffins) are shown in Table VI.

Table VI: Partial Fragmentation Pattern for Gas-Range Hydrocarbons

Methane	Ethane	Propane	n-Butane	n-Pent	n-Hex	Cyclopent	Cyclohex
16(100%)	28	29	43	43	57	42	56
15	27	28	29	42	43	70(30%)	84(75%)
14	30(25%)	27	28	41	41	41	41
13	29	44(27%)	27	27	56	55	55
	26	43	41	28	29	39	42
		39	39	29	27	27	69
		41	42	57	42	40	27
			58(9%)	72(9%)	39	29	39
					86(15%)		

Here, molecular peaks are shown with their intensities relative to the parent peak. Note that the molecular peaks for C_4 - C_6 normal paraffins are not among the top five most intense peaks (a feature of fragmentation patterns that was mentioned previously). Considering the location of the above peaks, a gas-enriched mass spectrum should contain peak clusters at m/z 13-16, 26-30, 39-44 and 55-57. Note that this is precisely where the four peak clusters are located in the previously described non-hydrocarbon mass spectrum (where they were attributed largely to CO_2 and water, nitrogen and minor hydrocarbon contributions). The distinction lies in the relative proportion of these species. Gases can typically contain 90% C_1 and 95% C_1 - C_3 . Hence, FIS gas spectra typically have prominent C_1 - C_3 clusters. The water triad at m/z 16-18, which commonly shows a pattern of monotonic increase from 16 to 18 in non-hydrocarbon spectra can become disturbed at high gas concentrations so that masses 15 and 16 become dominant, even to the point of being more intense than mass 18. Similarly, the 26, 27, 39, 41 and 43 peaks generally display significantly higher intensities than in non-hydrocarbon spectra. The ratio of mass 57 to mass 55 (C_4+ paraffins / C_4+ naphthenes) may become quite high, reflecting the paraffinic nature of many gases.

Liquid-Range Enriched FIS Mass Spectra

FIS spectra that contain significant quantities of liquid-range petroleum species display repetitive peak clusters corresponding to fragments with successive carbon numbers in the C_7 - C_{13} range as shown in Table VII.

Table VII: Partial Fragmentation Pattern for Liquid-Range Hydrocarbons

Carbon #	m/z Cluster	Parent (nC)	Molecular (nC)
C7	95-101	43, 57, 41	100(14%)
C8	109-115	43, 57, 41	114(7%)
C9	123-129	43, 57, 41	128(8%)
C10	137-143	43, 57, 41	142(7%)
C11	151-157	43, 57, 41	156(4%)
C12	165-171	57, 43, 71	170(8%)
C13	179-185	43, 57, 41	184(5%)

Note, again, that molecular peaks for high-molecular weight hydrocarbon species are generally only 5-15% of the parent peak. Also note that the three most intense peaks for the C_7 - C_{13} paraffins are usually the same, and represent some of the most intense peaks previously identified for the C_4 - C_6 gas-range paraffins.

Only normal (straight-chain) paraffins have been considered in the above table. Typical C_6 - C_{10} (gasoline) fractions contain 40% paraffins, 50% naphthenes and 10% aromatics by volume. Typical C_{11} - C_{13} (kerosene) fractions contain 30% paraffins, 50% naphthenes and 20% aromatics by volume. As the general formula for naphthenes suggests, molecular peaks are shifted downward by 2 m/z units (e.g., the C_7 naphthene molecular peak is at 98). Hence the major contribution at 43 for normal paraffins becomes 41 for naphthenes, 57 becomes 55, and so on. This is why the ratio of 57 to 55 is plotted in basic FIS data packages: to track the relative distribution of paraffinic and naphthenic compounds as well as the processes that fractionate them (e.g., dissolution in an aqueous phase; recall the solubility law for hydrocarbon species). Aromatic fragmentation patterns will be considered under the explanation of

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water-soluble FIS mass spectra.

Natural liquid petroleum is a complex mixture containing hundreds of specific compounds within these classes. Thus, the qualitative nature of FIS mass spectra is reiterated. Major classes of organic compounds can be identified, distinguished and tracked semi-quantitatively, but specific compounds cannot be quantified except under special circumstances. From the foregoing discussion it becomes apparent that even though the FIS analytical procedure does not scan past the molecular peak of nC_{12} , contributions on low molecular weight species can include species well above C_{13} . The maximum carbon number contributing to the FIS mass spectrum is limited only by the volatility of the given compounds within the high vacuum system and their abundance. However, it is unlikely that $C_{20}+$ compounds contribute significantly to FIS responses, given their volumetrically low abundance and vapor pressures.

Water-Soluble Enriched FIS Mass Spectra

FIS mass spectra containing anomalous concentrations of water-soluble volatile species are perhaps the most interesting of the main spectral types. Key indicator species are acetic acid, benzene and toluene (see Table VIII). Other common compounds include methane, ethane and carbon dioxide (fragmentation patterns previously outlined).

Table VIII: Partial Fragmentation Pattern for Water-Soluble Species

Formic A.	Acetic A.	Propionic A.	Butyric A.	Benzene	Toluene	Xylenes
29	43	28	60	78(100%)	91	91
46(61%)	45	29	73	77	92(75%)	106(65%)
45	60(60%)	74(79%)	27	52	39	105
28	15	45	41	51	65	39
17	42	73	42	50	51	51
44	29	57	43	39	63	77
			88(3%)			

Aromatics tend to have strong molecular peaks, unlike many paraffinic and naphthenic compounds. The species above are easily identified in mass spectra because major peaks occur within the valleys formed between the peak clusters of predominant paraffinic and naphthenic ions. These species (particularly aromatics) are present at some level in most FIS spectra that contain liquid-range hydrocarbons, because, as outlined above, aromatic species comprise 10-30% of most oils by volume. However, typically, aromatic peaks are 0.5-1 order of magnitude less intense than the adjacent paraffin/naphthene m/z cluster. Although there are no quantitative rules, aromatics are considered anomalous when visual aromatic peak heights becomes sub-equal to, or greater than, adjacent paraffin/naphthene peak clusters. Aromatic peak heights 1-2 orders of magnitude higher than the adjacent peak clusters are not uncommon in FIS spectra that indicate strong enrichment of water-soluble species.

Organic acids represent the most common organic species reported from formation water analyses, and of these, the mono-functional acids dominate. Acetic acid and propionic acid generally have the highest reported concentrations and abundance generally decreases with increased carbon number. As can be seen from the table above, some major peaks have potential interferences with CO_2 . The most promising peaks for recognition of organic acids

are m/z 60 and, perhaps, 73-74. Organic acids are considered to be present in anomalous concentration when a distinct peak occurs at m/z 60. In the absence of organic acids this location generally lies in a "peak-height valley", even on hydrocarbon-enriched FIS mass spectra. In extremely enriched samples the intensity of the 60 peak is greater than all masses in the 60-180 m/z range.

Where anomalous, the assemblage of species outlined above are present in proportions much different (and greater) than their concentrations in typical petroleum. The commonality that they hold is their relatively high solubility in water compared to paraffinic and naphthenic compounds of similar molecular weight. For instance, benzene is about 100-300 times more soluble in water than n-hexane, and about 3 times more soluble than toluene. Acetic acid is completely miscible in water. Benzene concentrations of several 10's of ppm are typical of oilfield brines, while organic acid concentrations of several thousand ppm have been recognized. Hence, these species in FIS spectra are generally interpreted to be held in solution within aqueous inclusions, rather than present within a free hydrocarbon phase. The origins of these compounds are outlined in a later section, but the most interesting from an exploration standpoint involves stripping from present-day petroleum accumulations and transport via diffusion into the surrounding water-dominated pore network. Considering relative solubility rules, one would predict that the ratio of paraffins to naphthenes (e.g. inferred by a m/z ratio such as 57/55) would be low. In fact, this is generally the case; further evidence that it is relative solubility in water that is driving the distribution of these species in water-soluble enriched FIS mass spectra.

Sulfur-Compound Enriched FIS Mass Spectra

The final type of end-member FIS mass spectrum contains anomalous concentrations of sulfur compounds. The species H_2S , COS, CS_2 and SO_2 and/or native sulfur gas are key indicators, although not all may be present in a given sample (see Table IX).

Table IX: Partial Fragmentation Pattern for Sulfur Compounds

H_2S	COS	$S_2(?)$	SO_2	CS_2	S_8
34(100%)	60(100%)	64	64(100%)	76(100%)	64
32	32	32	48	32	256(60%)
33	28		32	44	160
				78	128
					192
					258
					96
					32

As can be seen, sulfur compounds tend to have strong molecular peaks, and enrichment is indicated if some combination of the m/z peaks 34, 60, 64 and 76 display anomalous intensities. Because these m/z positions generally occur in abundance valleys, the same qualitative rules apply as for acetic acid; namely, if a discrete peak is observed at one of these primary ion locations, the species is considered anomalous. The peak intensity need not rise to the level of the adjacent paraffin peak, although in extreme cases, it may. The 60 peak has a major interference with organic acids as outlined in the previous section. Hence the presence of COS

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is inferred (but not demonstrated) only in the presence of other sulfur species. The m/z 32 would appear to be a good one for indicating sulfur presence; however, this ion location suffers major potential interference from atmospheric oxygen (O_2^+).

Care must be taken when interpreting sulfur-enriched FIS spectra, because at first glance they resemble the water-soluble enriched spectra. Ideally, the distinction lies in the location of CS_2 at m/z 76 (as opposed to benzene at 78), H_2S at m/z 34 and S_2^+ and/or SO_2 at m/z 64. SO_2 presence can be verified by the presence of a paired anomaly at 64 and 48. In practice, it is sometimes difficult to distinguish between sulfur-enrichment and water-soluble species enrichment when these species are not strongly anomalous, and combinations of the two spectra occur as well.

A.2.3 Summary of the Five Spectral Types

The above is a relatively detailed account of the characteristics of the five major classes of FIS mass spectra. In the end, however, the best way to recognize and distinguish among spectral types is to compare them to the end-member examples presented herein and categorize them by eye. After examining a few examples of each, pattern recognition will become easy. Understanding the complexities outlined in the previous sections is important, but usually unnecessary for first-order interpretation of FIS mass spectra. To summarize:

Non-hydrocarbon Spectra: Characterized by four peak clusters centered on m/z 15, 28, 42, and 55; the first three being dominant. Most peaks are attributable to water and carbon dioxide.

Gas-range enriched: Characterized by strong responses on C_1 - C_5 (m/z 12-72) and lesser intensities on higher molecular weight ion locations. Peak clusters may be more broad at m/z 12-30 and 37-46. Predominance of masses 15 and 16, and high 57/55 ratios is possible.

Liquid-range enriched: Characterized by the presence of C_7 - $C_{13}+$ species as regularly-spaced peak clusters in the m/z 95-180 range, which are dominated by ions from paraffinic and naphthenic compounds. Aromatic species contribute subordinate peak clusters between the paraffin-naphthene peaks (although, typically only benzene, toluene and xylenes are resolved).

Water-soluble enriched: Characterized by methane, ethane, organic acids, benzene and toluene. Acetic Acid (m/z 60) and aromatic peak clusters (m/z 78, 91, 105) attain intensities near or greater than those of adjacent paraffin-naphthene peak clusters.

Sulfur-compound enriched: Characterized by the presence of H_2S , COS , CS_2 and SO_2 and/or native sulfur gas as indicated by anomalies on some combination of the m/z peaks 34, 48, 60, 64 and 76.

A.2.4 Combinations of Spectral Types

Combined FIS spectra are common, and appear as superimposed end member types. Although combinations of all end member spectra have been noted, the most common are gas + liquids and liquids + water-solubles. Recall that FIS is a bulk technique and samples the entire fluid history of the pore system. Hence, mixed FIS spectra might be expected if the sample has experienced temporally distinct charges of petroleum (or brine) types or contained a heterogeneous (immiscible) fluid in the pore system at some time.

A.3 Interpreting FIS Track Plots and Petrographic Data in a Geologic Context

Fluid inclusions are the only direct records of paleofluids existing in the subsurface, and as such, have the potential to record conditions accompanying geologic processes, including petroleum migration. By studying the subsurface distribution of paleofluid chemistries with FIS, one can obtain valuable and unique information on three major exploration topics:

1. Petroleum migration or paleocharge
2. Seals
3. Proximity to undrilled pay

and two major production topics:

1. Pay zone and bypassed pay delimitation
2. Reservoir compartmentalization

The previous discussions have concentrated on identifying spectral types in FIS data. This is a necessary first interpretive step. The next task is to evaluate the significance of FIS depth trends in their own right (now knowing their spectral origins), and eventually, in light of other available information to answer specific questions, such as were enumerated above. Petrographic data from anomalous fluid inclusion zones are often critical elements of these higher order interpretations, as will be seen, which why petrographic follow-up work is conducted as a routine part of every FIS analysis (see Table of Petrographic Observations).

A.3.1 Significance of FIS petroleum indications

The most basic question that FIS can address is "Is there any evidence for present or past petroleum in this borehole?" Documentation of an FIS hydrocarbon anomaly generally provides a positive answer to this question, but could indicate other processes as well. Possible explanations for an FIS hydrocarbon anomaly are discussed in the following paragraphs.

Migration without trapping

A migration pathway may be indicated when FIS responses are low or moderate, when contamination and recycled inclusions can be discounted, when quoted visual petroleum inclusion abundances are "rare" or "several" (see Table of Petrographic Observations), and when no other petrographic or log evidence of current petroleum charge is identified in the zone. There are a number of factors that influence inclusion abundance and, consequently, raw FIS response strength, including geologic setting, extent of diagenesis, rock type and permeability. However, it has been demonstrated that both visual petroleum inclusion abundance and FIS strength within many porous reservoir rocks is proportional to hydrocarbon saturation or paleosaturation in a relative sense. Because migration occurs at average bulk-volume petroleum saturations below those encountered in charged reservoirs, FIS signal strength and visual inclusion abundance are generally lower along migration pathways than in charged reservoirs from the same area.

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Current Charge

A zone that displays strong FIS hydrocarbon indications and high visual petroleum inclusion abundance (i.e., common, abundant or extremely abundant) may reflect penetrated pay, but could also indicate paleo-charge or, in some cases, a migration pathway (e.g., where inclusion abundance is enhanced by extensive microfracturing). A provisional interpretation of current charge is strengthened if residual petroleum (especially live oil stain) is identified in thin section, and particularly if water-soluble petroleum species (so-called "proximal pay indicators"; see below) are recorded in FIS data (e.g., in the seal overlying the anomaly, in the water leg underlying the anomaly, or in low permeability zones within the reservoir section itself). Any independent indications (e.g., from electric logs or mudlog gas shows) provide further encouragement.

Paleo-charge

Intervals of strong FIS response, high visual inclusion abundance (i.e., common, abundant or extremely abundant) and significant bitumen (e.g., dead oil stain or asphaltic residue) without accompanying water-soluble anomalies or independent evidence of current charge, may represent a paleo-column, but could also represent current charge or in rare cases a migration pathway. The interpretation of paleo-charge is favored if a valid DST has shown the interval to be currently wet.

Recycled inclusions

Very rarely, detritus that is generated from previous sedimentary rock may contain inherited petroleum inclusions. These inclusions must be recognized, as they clearly do not provide any useful information about the current petroleum system(s). Petrographic or microthermometric criteria can often be used to argue the origin of these inclusions, for instance, the presence of petroleum inclusions along recycled quartz overgrowths, or measured homogenization temperatures that are too high to have been produced during the current burial history. Associated FIS depth trends are usually erratic and poorly compartmentalized, and inclusion abundance is typically low. Inherited inclusions may be restricted to specific geologic units that derived detritus from a particular provenance, and are not found in intercalated chemical precipitates (e.g. bedded carbonates or diagenetic cements).

Heavy bitumen stain

In some instances, pore-occluding bitumen may contribute to FIS signals. Here, solid petroleum behaves as any other cement, and is capable of trapping residual hydrocarbons as bitumen-hosted fluid inclusions. These may be invisible due to the opacity of the solid petroleum host. Petroleum species may also desorb from pore-occluding bitumen during crushing, much as they do from mature kerogen (see below). Bitumen-sourced FIS responses may be inferred when strongly anomalous zones contain low visible petroleum inclusion abundance but have significant amounts of bitumen (e.g., common, abundant or extremely abundant). Abundant pore-filling bitumen in porous rock implies significant petroleum saturation at some time, so low visual petroleum inclusion abundance is unexpected (and not commonly encountered). In such cases it is possible either that the size of the inclusions are below the resolution of the light microscope (< 1 micron), that grain surface conditions (e.g., wettability) did not favor trapping of inclusions, or that the section was diagenetically quiescent during and after charging (i.e., little or no cementation or microfracturing).

Mature Source Rock

Mature source rock can contribute to FIS responses. Here, the signal is the combined effect of species desorbed from freshly crushed kerogen surfaces and conventional fluid inclusions that represent trapped in-situ generated petroleum. The chemistry and strength of FIS responses in source rocks tend to reflect kerogen type and maturity, at least in a general sense. Hence, mature gas-prone kerogen with limited liquids potential typically gives dry gas responses, while mature source rocks with liquid-prone or mixed kerogen types (including some coals) tend to have significant responses on both gas and liquid-range petroleum species. Furthermore, as maturation proceeds, FIS hydrocarbon responses progress from low (immature) to high (mature) to low again or dry gas (overmature). These trends are very qualitative, and FIS response in source intervals should not be used as a substitute for classical source rock analysis techniques. An in situ origin (local generation) is suggested for FIS responses if petrographic data from the anomalous zone reveals low permeability rock containing significant quantities of mature kerogen (common, abundant or extremely abundant). Liquid-prone kerogen is likely to be mature if it exhibits moderate to strong orange fluorescence. Coal-related FIS responses are often quite waxy, may be enriched in aromatics, and typically have large relative contributions from higher molecular weight species (i.e., flat spectral profiles).

Contamination

Except in rare cases, contamination is not a significant issue in FIS data. Pre-analytical washing and vacuum heating procedures are sufficient to remove most surface-adsorbed organic compounds that are volatile under FIS analytical conditions, including natural fluids such as residual oils, as well as elements of the mud system, including oil based mud. Insoluble organic additives (particularly natural materials like gilsonite) pose a greater threat, as they may not be removed by standard treatment, and can give responses similar to indigenous kerogen or bitumen. Infrequently, an organic-based mud system will contribute to FIS response, and in rare instances may be dominant. This tends to occur in recently drilled, unconsolidated mud-rich sections, which are difficult to wash without complete loss of sample. Contamination has also been suspected in some diapiric or bedded salt sections, where drilling encapsulation of these species is facilitated by the easily dissolved and precipitated halite. Processed contaminants often have a distinctive (and unnatural looking) chemistry, which might include extreme light end depletion, very low aromatics (particularly benzene, which may be removed for environmental reasons) or extremely high toluene (possibly residue from soxhlet extraction). Petrographic criteria can generally be used to assess the likelihood of contamination in a given anomalous FIS zone.

A.3.2 Petroleum Type and Quality

Interpreted petroleum type and quality is based predominantly on the characteristics of individual mass spectra from each depth as already discussed (sample spectra are located in Appendix C). Three factors are considered: the maximum carbon number detected, the qualitative abundance of low molecular weight alkanes relative to high molecular weight alkanes (including the general slope of the imaginary line connecting the C₁-C₁₃ alkanes), and the presence or absence of species or ratios indicative of bacterial or thermal alteration (including souring processes). It is important to note that the interpreted petroleum type assumes a single, uniform petroleum inclusion population. The actual migration or charging history, on the other hand, may have involved multiple pulses with different composition (e.g., oil and

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gas) and the relative abundance of these inclusions will influence the bulk spectra. Additionally, total inclusion abundance will affect the spectra insofar as higher molecular weight species represent a smaller volumetric proportion of petroleum and are also less volatile, hence decrease below instrumentation detection limits before low molecular weight species. Consequently, some samples with low oil inclusion abundance generate wet gas mass spectra, for instance. Optical inclusion abundance and characteristics should be consulted, where provided, to verify the interpreted petroleum type (see Table of Petrographic Observations). With the above limitations in mind, the following petroleum types are identified on the basis of spectral characteristics:

Dry gas: mostly C₁ with lesser C₂-C₃ and no higher hydrocarbons.

Wet gas: C₁-C₉ may be present, but C₆+ species are in minimal abundance. The alkane slope is extreme.

Gas-condensate: C₁-C₁₁ may be present. The alkane slope is quite steep, reflecting a very gas-enriched phase.

Volatile oil: C₁-C₁₃ present. Slight gas-range enrichment is observed and the alkane slope is moderate to steep.

Oil: C₁-C₁₃ is present. The alkane slope may be flat to moderate.

Biodegradation is suggested if sulfur compounds such as H₂S, COS, CS₂, S₂, (+/- SO₂) and/or thiols are present in addition to petroleum species. Ratios of paraffins to naphthenes may be low as well, as bacteria typically prefer to metabolize alkanes compared to other classes of petroleum compounds. Petrographic data may provide further evidence for biodegradation in the form of low-gravity petroleum inclusions. Bacterial activity is generally restricted to maximum burial temperatures below 65-70°C; hence FIS evidence of biodegradation is most commonly observed in rocks that are currently below this temperature.

Thermal alteration of liquid petroleum species can produce spectra very similar to those generated from biodegraded hydrocarbons, because the products of two common processes, bacterial sulfate reduction (BSR) and thermochemical sulfate reduction (TSR), are essentially identical. The best distinction is made from current bottom-hole temperature data, which, if above 140°C or so may be indicative of TSR, and if below 70°C or so is more consistent with BSR. Potential interpretive problems arise in the intervening temperature range, when deeply buried sediments are unroofed or when petroleum altered at shallow depths becomes buried to greater depth. Petrographic data may help, as pyrobitumen frequently accompanies TSR, while low-gravity liquid petroleum inclusions often occur in association with bacterially altered oils. Additional temperature or thermal maturity data (including fluid inclusion homogenization temperatures) may also be useful.

The presence of significant amounts of sulfur species can indicate a sour petroleum phase, where the souring process may in some cases be a reflection of the source rock, but could also reflect BSR or TSR. A study of TSR sour gas pools in Canada suggests that evaluating the relative proportion of products and reactants can provide a measure of sour gas potential. As TSR progresses, long-chain alkanes decrease while low molecular weight petroleum species increase along with CO₂, aromatics organic acids and the various sulfur compounds enumerated above. Ironically, H₂S alone may not be as accurate an indicator of H₂S content, as it is scavenged naturally (e.g., to form pyrite in iron-rich rocks) and by the metallic internal surfaces of the analytical system.

A.3.3 Water-soluble Anomalies and Proximal Pay Indications

Water-soluble species, particularly benzene and toluene, have been used for decades to search for geochemical halos surrounding petroleum accumulations. The limitation of conventional techniques is that fluid samples are rarely intentionally collected from wet reservoirs. However, similar water-soluble species anomalies have been found in FIS data. Compounds generally include some subset of the following: methane, ethane, CO₂, acetic acid, benzene, toluene and xylenes, as well as low paraffin-to-naphthene and high aromatic-to-paraffin ratios. There are three dominant sources of this FIS volatile suite: maturation of kerogen-rich rock, thermal alteration of liquid petroleum, and diffusive stripping from a present-day charged petroleum reservoir proximal to the borehole. The latter of these three possibilities is the most important from an exploration standpoint, and is the FIS analog of the classic technique of analyzing formation fluids for benzene.

Criteria to distinguish among the three potential sources of water-soluble anomalies are often found during petrographic examination. A kerogen source may be inferred if the interval contains a substantial amount of mature kerogen, and where FIS responses include appreciable contributions from other hydrocarbon species (e.g., where water-soluble species are superimposed on an otherwise normal hydrocarbon response). Thermal alteration may be expected if pyrobitumen is present, and, particularly, if sulfur compounds are also detected in FIS data (see discussion above). These species may have resulted from thermochemical sulfate reduction at temperatures above 140°C. Extreme examples of this process are found in deep Devonian sour gas pools of the Western Canada Sedimentary Basin.

True "proximity to pay" (a.k.a., PTP) anomalies tend to occur in cuttings from shale rich lithologies, that are geometrically connected to penetrated or lateral pay. Examples include top or lateral lithologic or structural seals to a charged reservoir, and transition zones or water legs underlying petroleum. The signal is always a present-day feature and is thought to result from drilling encapsulation of penetrated pore fluids within easily sheared or thermally reconstituted lithologies. A significant amount of unpublished analytical data as well as a large body of empirical observation support this interpretation, although details of the process are still debated. Petrographic criteria are generally sufficient to interpret PTP signals, and these include absence of evidence for the other two possible origins, as well as presence of distinctively sheared, shale-rich cuttings.

PTP signals can be found along with direct FIS hydrocarbon indications in flushed reservoirs. Here, the water-soluble anomalies may be sourced from irreducible petroleum saturation with the paleo-reservoir, or may indicate an updip charge (possibly the leaked or structurally disturbed petroleum column that once resided at the well location).

PTP anomalies can be classified into two chemical subtypes: acetic acid + benzene dominant, and benzene dominant. Acetic acid is thought to be sourced from high molecular weight compounds within the petroleum phase; hence, its presence suggests the nearby accumulation is oil or gas-condensate. Benzene without accompanying acetic acid suggests a drier petroleum phase, most likely wet gas. Dry gas generally does not give a PTP response because the key indicator species are not present in the petroleum phase, hence cannot be fractionated into nearby aqueous fluid.

When PTP anomalies are identified, a possible link to a nearby reservoir should be investigated. Many scenarios are possible, including an overlying penetrated charge, lateral production in a shallower section that is not under closure at the well location, or charge in remaining updip closure in a reservoir that tested wet at the well location.

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A.3.4 Seals

FIS seals are inferred at boundaries marking abrupt changes in FIS species strength or chemistry. The underlying assumption is that detected fluids are more or less synchronous on either side of the boundary and that some process has prevented free mixing of species across this barrier. In detail the boundary may represent a change in lithology, poroperm or a structural element. In the case of in-situ generated petroleum the boundary might represent a transition from poor to better source rock, or immature to mature source intervals. In the case of migrated petroleum the boundary might represent the extent of petroleum migration through porous rock, or the top seal to a present or past petroleum column. Basal compartment limits may represent seals or, in some cases, fluid contacts or paleocontacts (see below). In general, only the tops of FIS compartments are identified on interpreted FIS depth plots. If fluids were not synchronous on either side of the compartment boundary (e.g. a post-migration unconformity) then the seal interpretation would be in error. Seals may be selective or chromatographic, in which case low molecular weight species may migrate across the boundary, while higher molecular weight species do not.

A.3.5 Microseepage

FIS microseeps are analogous to gas chimneys seen in seismic data, and surface manifestations of deeper charge identified in surface geochemical surveys. They are interpreted to result from near-vertical migration of light hydrocarbons followed by bacterial alteration in the shallow subsurface at temperature-depth conditions permissible for bacterial activity. Most bacteria are restricted to temperatures below 65-70°C; hence, anomalies may be observed in the upper 1-3 km of rock column, depending on the prevailing geothermal gradient. Key indicator species include light hydrocarbons, CO₂, possibly organic acids and aromatic compounds, and sulfurous volatiles, including H₂S, COS, CS₂, S₂ (+/- SO₂) and in some cases thiols. H₂S is often sequestered within pyrite in iron-rich siliciclastics, hence is less common in shale-bearing lithologies. Inclusion formation in such low temperature environments may be aided by precipitation of bacterial carbonate. FIS microseeps are geometrically distinct, often beginning at the surface and abruptly disappearing at the appropriate temperature-controlled depth.

The presence of an FIS microseep appears to be a good indicator of deeper charge in the immediate vicinity, although weak seeps may represent regional signals within shallow aquifers. Data suggest that these anomalies overlie 75-80% of productive reservoirs, while only 10% of non-productive areas display similar signals. Hence, the presence of a strong seep within a dry hole might indicate deeper or nearby lateral charge in the area.

A.3.6 Fluid Contacts

The basal boundary (abrupt or transitional) of any strong FIS compartment is a candidate for a present or past fluid contact, although the interpretation is often equivocal. The most compelling evidence for a present day contact occurs where hydrocarbon-dominant FIS signals (the petroleum leg) give way to water-soluble dominant signals (PTP in the water leg) and where visual petroleum inclusion abundance displays a parallel decrease. When inclusion abundance is high in the petroleum zone but PTP signals are not present in the water leg, it is possible that a paleo-charge is recorded. If the base of the anomaly corresponds to the base of the reservoir, or an abrupt decrease in reservoir quality, then the actual fluid contact (or

paleo-contact) may reside further downdip.

A.4 Individual Track Plots

A.4.1 Explanation and Significance of Individual Track Plots

The following is a synopsis of the significance of the different patterns of mass abundances and abundance ratios shown in Tracks 1-25. Note that not all species are quantified using their parent or molecular peaks (e.g., methane at $m/z = 15$) in order to minimize interfering contributions from other species.

A.4.2 Ratios vs. Absolute Abundance

Both ratios of key ionized compounds as well as absolute abundances of key compounds (relative to a natural oil inclusion standard) are used in interpretation. Absolute abundances of species can be influenced by the efficiency of inclusion formation, the size distribution of the inclusions, the saturation and residence time of the fluid within the pore system and the relative proportion of fluid of a given composition that moved through that stratigraphic compartment. Chemical ratios, on the other hand, are not as susceptible to lithologic/diagenetic controls on inclusion formation/distribution, hence, may be better suited for displaying chemical compartments in some cases. They are also useful for enhancing some of the subtle trends within the data, and for characterizing chemical variability among petroleum inclusion compartments, which could be related to source, timing, or migration process. Ratio plots are not completely independent of inclusion abundance, as the intensity of mass spectrometer responses is somewhat non-linear with respect to ion concentration. Both types of plots should be considered during interpretation.

Track 1: Total Response - This represents the sum of the positive responses on all measured masses from $1 \leq m/z \leq 180$. These data are potentially useful for some data normalization schemes, or for estimating the relative percentage of a given compound in the analyzed sample. Note that responses are generally dominated by water and carbon dioxide, and that absolute quantification is not possible because water cannot be quantitatively analyzed with this system. The polar nature of water causes it to adhere to metallic surfaces inside the instrument resulting in false readings by the detector. However, two characteristics of the total response are noteworthy. First, total responses are often orders of magnitude greater for samples yielding proximity spectra than for other samples originating outside the hydrocarbon zone, even though the lithologies are usually clay rich, hence low in natural inclusion abundance. This is one line of evidence that leads us to hypothesize that proximity samples are dominated by drilling induced inclusions which trap some of the present day formation fluid. Secondly, inferred petroleum migration compartments are often characterized by high total responses. This suggests that both organic and inorganic inclusions are anomalously represented within these compartments. The significance of this correlation is not fully understood, but may document a fracture forming process occurring during focused movement of basinal fluids, including petroleum. If so, it may eventually provide additional information about the nature and mechanisms of secondary petroleum migration.

Track 2: $m/z = 44$ Dominant peak for carbon dioxide (CO_2^+), with possible minor contribution from C_3^+ hydrocarbon fragments and acetic acid. Anomalous values have been noted associated with pan-evaporative dolomitization of limestones in China and Oman. CO_2 response is often

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high in proximity samples which show elevated levels of acetic acid. CO₂ is generally present in anomalous concentrations in FIS microseeps, where it is a product of bacterial alteration of seeping light hydrocarbons.

Track 3: $m/z = 34$ - Dominant peak for hydrogen sulfide (H₂S⁺). Anomalous values associated with petroleum may indicate sour oil or gas. H₂S is also noted at times in association with shallow dry gas of probable biogenic origin (including FIS microseeps) and with some proximity zones. H₂S is probably not quantitatively analyzed due to rapid scavenging by metallic surfaces of the analytical system.

Track 4: $34/(34+15)$ - H₂S/(H₂S+methane). Not frequently used, but ratio tends to be elevated in sour gas zones.

Track 5: $4/(4+2)$ - Helium fraction ${}^4\text{He}^+/({}^4\text{He}^+ + \text{H}_2^+)$; ratioed to mass $m/z = 2$ to indicate the presence of anomalous He. Helium anomalies have been found in association with unconformities, thrust faults which sole in crystalline rocks, arkosic detritus sourced from such crystalline rocks (e.g., granite wash), gas sourced from old, radioactive shales and mafic hypabyssal volcanic rocks. An abrupt change in helium abundance has been documented within Precambrian rocks worldwide. It is possible that this reflects a fundamental evolutionary step in the Precambrian atmosphere.

Track 6: Air Confidence - This represents the results of an algorithm which performs five tests for the presence of the air components nitrogen, oxygen, and argon. The plot is scaled in integer values from zero to five, corresponding to zero to five positive tests. Values in the 4-5 range indicate a high confidence for air. Some anomalies may represent small leaks in the vacuum system. Natural air inclusions have been recognized in vadose cements below paleoexposure surfaces, as well as in some aeolian sands and evaporites.

Track 7: $30/(30+15)$ - ethane/(ethane+methane). Except for very dry gas, petroleum migration zones generally show elevated ratios of ethane to methane, provided that the petroleum is transported as a separate phase. Petroleum transported as a dissolved solute species in aqueous solution (e.g., in the case of proximity) may have low ratios of ethane to methane, due to the relatively higher solubility of methane in solution.

Track 8: $m/z = 15$ - CH₃⁺; mostly derived from methane, with minor contributions from all other paraffins and NH₂⁺, if present. Used as a relatively clean peak for methane; response is nearly as great as for the methane molecular peak. Anomalies are associated with oil and gas migration as well as water zones carrying significant dissolved gas. Distinction between dry gas and oil is accomplished by comparing responses on higher molecular weight fragments (e.g., $m/z = 97$). Transport in aqueous solution is suggested by co-occurrence of other water-soluble hydrocarbons as well as high ratios of water soluble to water insoluble species (e.g., 60/57, 55/57, 77/71). Methane dominated dry gas of possible biogenic origin is often documented in offshore wells at depths above 1200 m. These zones also often indicate anomalous sulfur species, which might document the activity of sulfate-reducing bacteria. In rapidly buried, relatively young sections, (e.g., offshore Trinidad and Gulf Coast) biogenic gas inclusions may be detected to much greater depths. These are FIS microseeps and are thought to be sourced from leakage of light petroleum from depth.

Track 9: $m/z = 30$ - Ethane molecular peak (C₂H₆⁺). Use similar to that of methane ($m/z = 15$).

A. INTERPRETATION OF FLUID INCLUSION STRATIGRAPHY (FIS) DATA

Track 10: $m/z = 60$ - Acetic acid (CH_3COOH), with possible contribution from COS in some environments. Acetic acid anomalies may be sourced from source rock maturation, thermal alteration of liquid petroleum or diffusive stripping from oil or gas-condensate accumulations (the latter are known as proximity-to-pay indications or PTP). It is thought that PTP represent samples of present day formation fluids, which are entrapped during drilling, probably through thermal and mechanical processes acting on clay-bearing lithologies in the neighborhood of the drill bit. Our understanding of the sources and sinks of organic acids and water-soluble aromatics, particularly benzene, suggest that the signal must be actively fed; hence, it is unlikely that we would see these signals preserved for geologic time in paleo-reservoirs, or along migration paths, although this has not been fully demonstrated. The strength of the signal is dependent on so many variables, including drilling conditions, lithology, formation fluid and oil chemistry, temperature, hydrodynamics, etc., that it is doubtful that quantitative assessment of distance from accumulation is possible. As with most FIS interpretations, documenting proximity is deemed significant, while its absence is not necessarily so, unless a particular area is well calibrated. Thermal processes within the reservoir in which liquid-range petroleum is broken down to lower molecular weight petroleum with one byproduct being organic acid probably source acetic acid, in the context described above. As such, the presence of organic acid anomalies with benzene and or toluene anomalies suggests that the accumulation has some liquid-range component, although a few barrels of condensate per MMCF of gas appears to be enough to provide a signal, at least in relatively low salinity formation fluids which are very close to pay zones. As mentioned above, other sources of organic acids are possible, including maturation of source rocks (particularly coals), severe thermal degradation of oil (particularly during thermochemical sulfate reduction) and stripping from residual oil in high Sw zones or recently flushed reservoirs; hence, the nearby reservoir hydrocarbons may very well be subeconomic. COS and acetic acid can be expected in some of the same environments, so the distinction between the two is not always possible. However, COS tends to be less water soluble, and has a higher affinity for the petroleum phase than acetic acid.

Track 11: $m/z = 78$ - Benzene (C_6H_6^+). High values are associated with samples containing inclusions with liquid-range petroleum, as well as samples displaying "proximity" signals. A distinction can be made between these two by looking at individual spectra, or by comparing the response on the relatively insoluble paraffins (e.g., $m/z = 57$ or 71). Note however, that some samples may indicate both oil inclusions and proximity to pay; and it is here that individual mass spectra must be studied. Such mixed spectra are indicative of some pay zones (particularly those with significant Sw, as well as zones through which petroleum has migrated, and are now water wet, but are presently in communication with the previously migrated petroleum. Benzene rich proximity signals without associated acetic acid may indicate a nearby wet gas accumulation.

Track 12: $m/z = 91$ - Toluene (C_7H_7^+). This ion is interpreted in much the same way as benzene ($m/z = 78$). However, toluene has lower water solubility, so tends to be less anomalous or even absent from some proximity zones.

Track 13: $60/(60+57)$ - Acetic acid/(acetic acid + paraffins). This ratio tends to deflect to higher values in water bearing zones and shallow microseeps and to lower values in petroleum inclusion zones. Very high values are associated with proximity zones. Acetic acid has tremendous water solubility, while paraffins are relatively insoluble in water.

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Track 14: $78/(78+91)$ - benzene/(benzene+toluene). This ratio is of limited utility in many cases, as these species are often not abundant enough to provide a coherent depth plot. In some cases, oil inclusion zones tend to deflect toward lower values, while proximity zones tend to deflect toward higher values. This is because oils typically have benzene to toluene ratios of about 0.5, while benzene has about 3 times higher solubility than toluene in water. Water washed oils will have lower ratios as will oils that have lost lighter ends through a semi-permeable seal.

Track 15: $m/z = 57$ - Paraffin fragment ($C_4H_9^+$). Anomalous values are associated with zones of oil and wet gas inclusions. Paraffins have lower solubility than other hydrocarbon classes, hence ratioing to these can define migration and reservoir processes (see next entries).

Track 16: $57/(57+15)$ - Paraffins/(paraffins+methane). This ratio plot displays the proportion of C_4 and greater paraffins relative to methane. The ratio will generally deflect to higher values in oil inclusion zones and toward lower values in dry gas zones. The ratio will also generally decrease within proximity zones due to the high solubility of methane relative to C_4^+ paraffins in aqueous solution.

Track 17: $m/z = 97$ - Alkylated naphthenes fragment ($C_7H_{13}^+$); basically naphthenes with methyl chains. This species tends to be anomalously high in petroleum inclusion zones which contain an appreciable liquid component (e.g., oils and condensates).

Track 18: $57/(57+55)$ - Paraffins/(paraffins+naphthenes). This ratio can be used for several purposes. Very low values are indicative of biodegraded oil, because bacteria prefer the paraffinic fraction. Low values are also documented in some proximity zones, due to the limited solubility of paraffins relative to naphthenes in aqueous solutions. Very high values are typical of dry gas zones as gases tend to be enriched in paraffins, although this trend must be used with caution. It is better to observe the relative change in this ratio with depth: If it decreases from baseline through a petroleum inclusion zone, liquid petroleum is more likely; if it increases, a lighter fraction might be expected. Again, these are generalizations which must be used cautiously. It is always best to follow up FIS work with thin section petrography to further investigate the characteristics of the entrapped petroleum phase. This ratio may also be used to identify transition zones from low to high S_w , and low-contrast pay zones. In general, we find that residual oil within water-rich zones under pay intervals tends to have higher ratios, probably due to the washing of more soluble naphthenes from the petroleum prior to entrapment. However, the water leg itself may have low ratios due to preferential concentration of naphthenes in the water phase.

Track 19: $97/(97+91)$ - Alkylated naphthenes/(alkylated naphthenes + toluene). This ratio tends to deflect toward higher values in zones containing liquid petroleum inclusions and toward lower values in proximity zones. Alkylated naphthenes are relatively water insoluble as compared to toluene.

Track 20: $77/(77+71)$ - C_6^+ aromatics/(C_5^+ paraffins+ C_6^+ aromatics). This ratio tends to deflect toward higher values in zones of proximity and toward lower values in zones containing liquid petroleum inclusions. Both trends reflect the relative solubility of aromatics (high) and paraffins (low).

Track 21: $m/z = 64$ - C_5^+ , S_2 and SO_2 . Volatilized native sulfur has been noted in conjunction with sour gas pools in Canada, and, along with other chemical indicators may indicate sour gas risk. In some cases, mass 64 appears to be concentrated in water legs to these pools, or

wet reservoir sections that are plumbed to a deeper source of these species. It has also been found in conjunction with FIS microseeps.

Track 22: $m/z = 76$ - CS_2 and C_6^+ hydrocarbons. CS_2 has been found in conjunction with biodegraded hydrocarbons, in association with FIS microseeps and as a byproduct of thermochemical sulfate reduction.

Track 23: $97/(15+97)*1000$ - Alkylated naphthene/(alkylated naphthene + methane) - This track can be used to illustrate the relative proportions of low and high molecular weight species. The track deflects to higher values in oily or light end depleted zones and to lower values in gassy zones.

Track 24: $\text{C}_5 - \text{C}_{13}$ Presence - This algorithm records the highest molecular weight range hydrocarbon group present in each individual spectra, and provides a quick visual record of zones containing the corresponding petroleum compounds. For example, if the C_5 group is the highest molecular weight range hydrocarbon group present in a given sample, a ranking of 5 is assigned; if C_6 is the highest carbon number represented, then a ranking of 6 is assigned, and so on until a ranking of 13 is assigned if the presence of species in the C_{13} range is detected. Mathematically, the algorithm tests for the presence of a group (i.e., carbon number) by scanning the spectra for a coherent signal comprised of at least two out of three of the major peaks associated with the particular molecular weight range.

Track 25: $\text{C}_{6-13}/\text{C}_{1-5}$ - A semi-quantitative parameter relating the abundance of liquid-range hydrocarbons to gas-range hydrocarbons. The ratio can be used in a qualitative sense to construct "psuedo GOR's".

A.4.3 Mass Assignments

In addition to the Tracks 1-25 described above, mass spectra over the range $1 \leq m/z \leq 180$ are presented for each individual sample in Appendix C. The following descriptions contain additional information about species assignments for individual masses:

- $m/z = 2$ - Hydrogen (H_2^+); largely from H_2O , which makes up most of the evolved fluid in almost all samples.
- $m/z = 3$ - Deuterated hydrogen and helium-3 (HD and $^3\text{He}^+$).
- $m/z = 12$ - Carbon (C^+).
- $m/z = 14$ - Nitrogen (N^+) and CH_2^+ ; Nitrogen in conjunction with argon and oxygen anomalies suggests air. If not an analytical artifact (episodic burps of atmosphere leak into the analytical chamber), the presence of air may indicate a vadose zone below a subaerial exposure, or the presence of aeolean sand. If response on mass $m/z = 14$ exceeds that on masses $m/z = 13$ and $m/z = 15$ then nitrogen is likely present. CH_2^+ will generally be accompanied by relatively larger responses on $m/z = 15$ (CH_3^+), and $m/z = 16$ (CH_4^+) (due to its fragmentation origin from CH_4 , for instance). The most convincing distinction between analytical artifact and paleo-air occurs when several closely spaced samples have air anomalies, or when several replicate analyses of the same sample give the same result.
- $m/z = 16$ - Molecular peak for methane (CH_4^+), but major interference by O^+ fragment of water.

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- $m/z = 17$ - Dominated by OH^+ fragment from water
- $m/z = 18$ - Dominated by water parent peak (H_2O^+)
- $m/z = 22$ - Doubly charged carbon dioxide (CO_2^{2+}); minor contribution from neon ($^{22}\text{Ne}^+$)
- $m/z = 28$ - Dominated by diatomic nitrogen (N_2^+) and CO^+ fragment from carbon dioxide. Minor C_2^+ hydrocarbon contribution
- $m/z = 32$ - Oxygen (O^+) and sulfur (S^+). If $m/z = 32$ is larger than $m/z = 31$ and $m/z = 33$, oxygen is likely. If sulfur is present other likely peaks, such as $m/z = 34$ (H_2S), $m/z = 48$ (SO^+) and $m/z = 64$ (S_2^+ , SO_2^+) should be checked. Oxygen can be a possible paleoexposure indicator when used in conjunction with other peaks (see discussion on Air Confidence, and Nitrogen).
- $m/z = 40$ - Argon (Ar^+) with possible significant interference by C_3^+ hydrocarbon fragments. High value of $m/z = 40$ relative to adjacent $m/z = 39$ and $m/z = 41$ peaks suggests argon.
- $m/z = 48$ - Sulfate fragment (SO^+); also, C_4^+
- $m/z = 55$ - Naphthene fragment (C_4H_7^+). High values are found in petroleum inclusion bearing intervals. Naphthenes have intermediate solubility between aromatics and paraffins. This m/z is usually ratioed to $m/z = 57$ (see below).
- $m/z = 71$ - Paraffin fragment ($\text{C}_5\text{H}_{11}^+$). Same use as $m/z = 57$.
- $m/z = 77$ - Aromatic fragment (C_6H_5^+). Same general use as for benzene and toluene.
- $m/z = 85$ - Paraffin fragment ($\text{C}_6\text{H}_{13}^+$). Same use as $m/z = 57$.
- $95 \leq m/z \leq 103$ - peaks centered within this range are mostly $\text{C}_7 - \text{C}_8$ fragments
- $110 \leq m/z \leq 115$ - peaks centered within this range are mostly $\text{C}_8 - \text{C}_9$ fragments
- $122 \leq m/z \leq 126$ - peaks centered within this range are mostly $\text{C}_9 - \text{C}_{10}$ fragments
- $134 \leq m/z \leq 138$ - peaks centered within this range are mostly $\text{C}_{10} - \text{C}_{11}$ fragments
- $148 \leq m/z \leq 152$ - peaks centered within this range are mostly $\text{C}_{11} - \text{C}_{12}$ fragments
- $160 \leq m/z \leq 164$ - peaks centered within this range are mostly $\text{C}_{12} - \text{C}_{13}$ fragments
- $175 \leq m/z \leq 180$ - peaks centered within this range are mostly $\text{C}_{13} - \text{C}_{14}$ fragments

A. INTERPRETATION OF FLUID INCLUSION STRATIGRAPHY (FIS) DATA