

DATA REPOSITORY ITEM 2010124

ANALYTICAL TECHNIQUES

U-Pb Geochronology

All analyses were performed at the University of Arizona Laserchron lab using Laser ablation multi-collector inductively coupled plasma mass spectrometry (LA-MC-ICPMS). Approximately 5–10 kg of sample were crushed using a jaw crusher and disc grinder and processed for mineral separations using a Gemeni water table. Zircons were concentrated using sodium polytungstate, methylene iodide, and magnetic separation with a Frantz. Errors on spot ages of individual zircons grains are reported at 1σ , and weighted mean ages were calculated and reported in the text and figures at the 2σ level. All material that sank in MEI and was non-magnetic at 1.0 A was put on 2.5 cm epoxy mounts for analysis. Beam diameter was 35 μm . The ablated material was transported in an Ar-He carrier gas into the plasma source of a GV Instruments Isoprobe, which is equipped with a flight tube of sufficient width to allow simultaneous analysis of U, Th, and Pb isotopes. All measurements were made in static mode, using Faraday detectors for ^{238}U , ^{232}Th , $^{208-206}\text{Pb}$, and an ion-counting channel for ^{204}Pb . Ion yields were $\sim 1 \text{ mv}$ per ppm. Each analysis consisted of an integrated 20-second background measurement on the peak positions, 20 one-second integrations with the laser firing, and a 30 second delay to purge the previous sample and prepare for the next analysis.

Common Pb corrections were made using measured ^{204}Pb concentrations and assuming an initial Pb composition from Stacey and Kramers (1975) with uncertainties of 1.0 for $^{206}\text{Pb}/^{204}\text{Pb}$ and 0.3 for $^{207}\text{Pb}/^{204}\text{Pb}$. The Ar-He carrier gas contains negligible

^{204}Hg and we corrected for isobaric ^{204}Hg interferences on ^{204}Pb as part of the background measurements.

Elemental fractionation for LA-MC-ICPMS varies with pit depth and the accepted isotope ratios were determined by least-squares projection through the measured values back to the initial determination. Inter-element fractionation of Pb/U was generally <20%, whereas apparent fractionation of Pb isotopes was generally <5%. Each analysis was normalized to the University of Arizona "SL" zircon standard with an age of 564 ± 4 Ma (Gehrels et al., 2008), which was analyzed after every fifth sample analysis for detrital zircons and every fourth analysis for igneous zircons. Zircon standard "R33" was also analyzed during these sessions. The uncertainty resulting from the calibration correction (together with the uncertainty from decay constants and common Pb composition) is generally 1-2% (2σ) for $^{206}\text{Pb}/^{238}\text{U}$ and $^{207}\text{Pb}/^{206}\text{Pb}$ ages of >1.2 Ga.

Errors from the measurement of $^{206}\text{Pb}/^{238}\text{U}$, $^{206}\text{Pb}/^{207}\text{Pb}$, and $^{206}\text{Pb}/^{204}\text{Pb}$ are reported at the 1σ level. Additional errors that affect all ages include uncertainties from (1) U decay constants; (2) the composition of common Pb; (3) calibration correction; and (4) uncertainty in age of the standard. These systematic errors (SE) are not included in the tables and add an additional uncertainty to $^{206}\text{Pb}/^{238}\text{U}$ ages and $^{207}\text{Pb}/^{206}\text{Pb}$ ages. Interpreted ages for igneous rocks incorporate the systematic errors into the weighted mean ages so that the total 2σ uncertainties that are quoted are equal to the quadratic sum of the random plus systematic errors. U and Th concentrations have approximately 25% uncertainty. Analyses with >6% 1σ uncertainty, >30% normal discordance, or >5% reverse discordance are excluded from the plots and interpretations. Relative probability diagrams and weighted mean calculations were created using the Isoplot program

(Ludwig, 2003). Other details of analytical methods are given elsewhere (Gehrels et al., 2006; Gehrels et al., 2008).

REFERENCES

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- Gehrels, G.E., Valencia, V., and Ruiz, J., 2008, Enhanced precision, accuracy, efficiency, and spatial resolution of U-Pb ages by laser ablation–multicollector–inductively coupled plasma–mass spectrometry: *Geochemistry, Geophysics, Geosystems (G-cubed)*, v. 9.
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- Stacey, J.S., and Kramers, J.D., 1975, Approximation of terrestrial lead isotope evolution by a two-stage model: *Earth and Planetary Science Letters*, v. 26, p. 207-221.

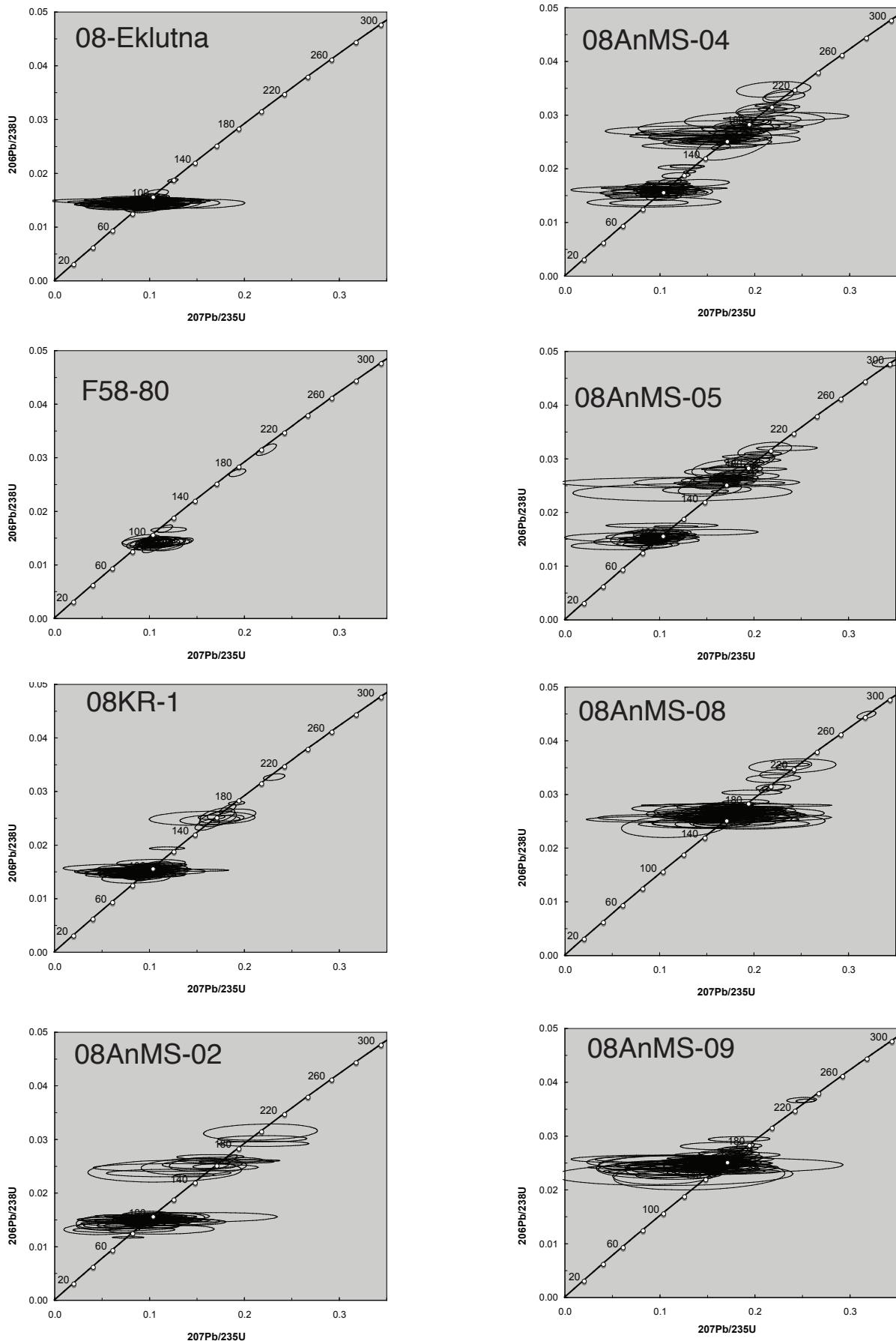


Figure DR1. Concordia diagrams for all ages between 0-300 Ma. Large errors in $^{207}\text{Pb}/^{235}\text{U}$ result from low U concentrations and young ages.

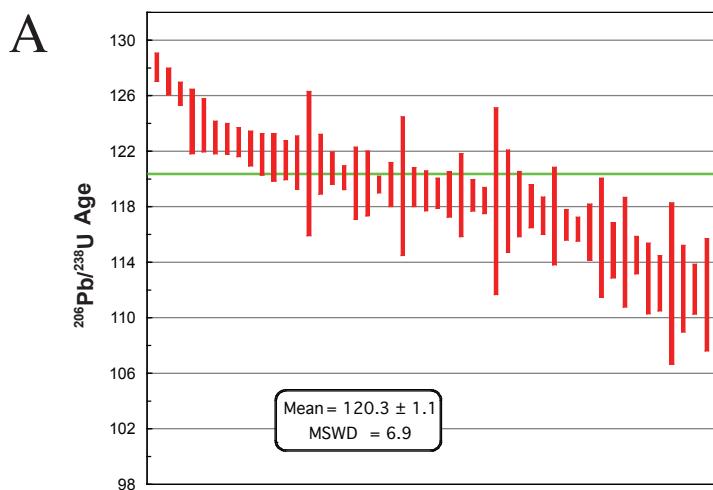
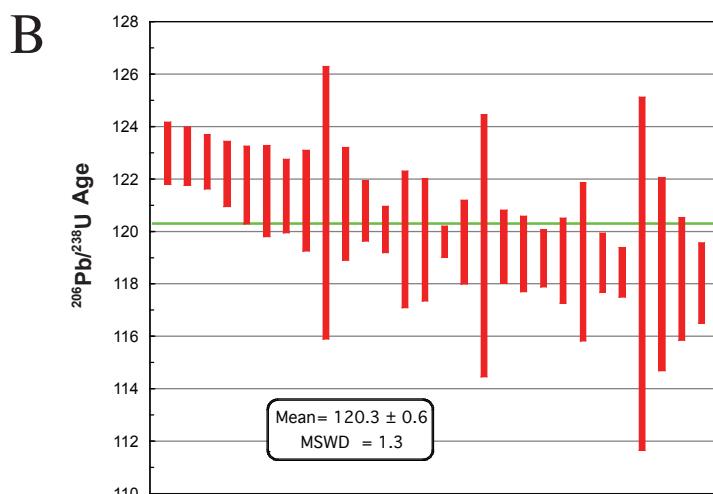
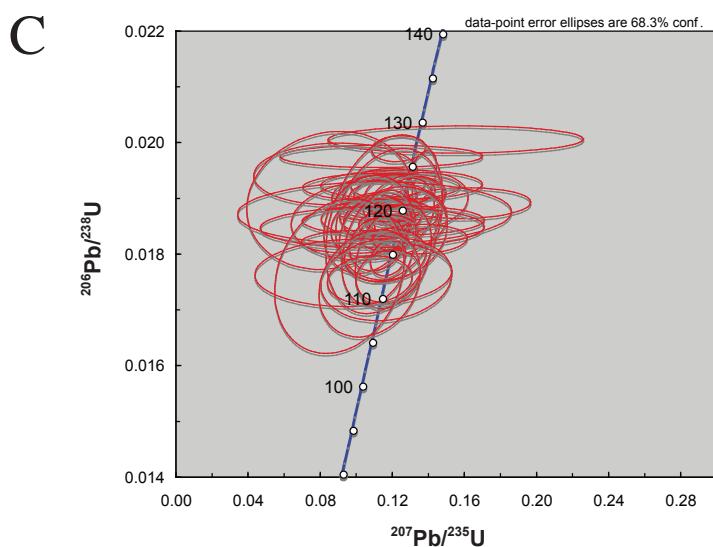


Figure DR2. Geochronology data for sample C80-13, a cross-cutting trondjhemite in the McHugh Complex.

A. Weighted mean 206Pb/238U ages from all LA-MC-ICPMS analyses. 1σ uncertainties are plotted. Green line shows weighted mean age of 120.3 Ma. Scatter likely results from a combination of older inherited zircons or zircon cores and young ages reflecting Pb loss.



B. Subset of the data set that does not include the older and younger analyses. The age is the same as above, but the scatter is reduced. When all of the random and systematic errors are included, the interpreted age plus 2σ uncertainty is 120 ± 3 Ma as cited in the text.



C. Concordia diagram of all analyses.

TABLE DR1. COMPLETE U-Pb ZIRCON DATA COLLECTED BY LA-MC-ICPMS

Spot	Composition		Isotopic ratios						Apparent ages (Ma)						Best Age (Ma)	\pm 1s (Ma)
	U (ppm)	U/Th	206Pb 204Pb	207Pb* 235U	\pm (%)	206Pb* 238U	\pm (%)	error corr.	206Pb* 238U	\pm 1s (Ma)	207Pb* 235U	\pm 1s (Ma)	207Pb* 206Pb*	\pm 1s (Ma)		
F58-80: Friday Creek (6V, 417708, 6827995)																
37	160	1.3	1682	0.10345	7.1	0.01323	4.7	0.66	84.7	3.9	100.0	6.7	480.2	116.9	84.7	3.9
36	246	1.4	2332	0.09322	5.0	0.01336	2.0	0.41	85.6	1.7	90.5	4.3	222.7	104.7	85.6	1.7
45	116	2.1	1380	0.11785	9.8	0.01343	3.9	0.40	86.0	3.3	113.1	10.4	730.3	189.6	86.0	3.3
46	154	1.4	1669	0.09589	8.8	0.01359	3.0	0.34	87.0	2.6	93.0	7.8	248.3	190.5	87.0	2.6
25	157	2.0	1822	0.10427	5.5	0.01380	1.6	0.29	88.4	1.4	100.7	5.3	404.2	117.9	88.4	1.4
42	248	2.0	3244	0.10481	6.6	0.01384	3.2	0.48	88.6	2.8	101.2	6.3	409.6	128.8	88.6	2.8
15	365	1.8	3996	0.09065	3.4	0.01385	1.8	0.53	88.7	1.6	88.1	2.8	73.2	68.0	88.7	1.6
28	240	2.0	2283	0.09827	6.3	0.01388	2.1	0.34	88.9	1.9	95.2	5.7	256.1	136.7	88.9	1.9
14	82	2.4	794	0.10018	16.0	0.01391	5.4	0.34	89.0	4.8	96.9	14.8	296.5	344.8	89.0	4.8
17	200	1.8	1257	0.08945	7.5	0.01394	2.9	0.39	89.2	2.6	87.0	6.3	26.1	166.7	89.2	2.6
20	190	2.1	3088	0.10472	6.4	0.01394	3.9	0.61	89.2	3.5	101.1	6.2	391.3	114.9	89.2	3.5
19	114	2.5	1348	0.11442	13.5	0.01397	5.9	0.44	89.4	5.3	110.0	14.0	581.7	263.6	89.4	5.3
44	143	3.1	2939	0.11097	6.6	0.01405	3.9	0.59	90.0	3.5	106.9	6.7	501.9	117.3	90.0	3.5
16	126	2.3	689	0.11113	6.7	0.01406	3.2	0.48	90.0	2.9	107.0	6.8	504.8	129.3	90.0	2.9
29	149	2.5	552	0.11470	10.0	0.01407	3.5	0.35	90.1	3.1	110.3	10.4	571.6	204.0	90.1	3.1
9	255	1.9	5024	0.10192	4.4	0.01409	2.0	0.45	90.2	1.8	98.5	4.1	304.9	89.4	90.2	1.8
30	121	2.3	1614	0.10597	11.4	0.01413	4.5	0.39	90.5	4.0	102.3	11.1	387.2	236.4	90.5	4.0
1	81	1.9	3220	0.11264	13.7	0.01416	4.7	0.34	90.6	4.2	108.4	14.0	518.4	282.9	90.6	4.2
39	92	1.9	1074	0.10820	9.1	0.01416	3.2	0.36	90.6	2.9	104.3	9.0	429.0	189.6	90.6	2.9
35	353	1.1	4241	0.09684	7.0	0.01416	6.3	0.90	90.7	5.7	93.9	6.2	175.6	69.1	90.7	5.7
38	741	1.1	9955	0.09518	3.1	0.01422	1.0	0.33	91.0	0.9	92.3	2.7	125.6	68.1	91.0	0.9
8	89	2.4	2626	0.11995	12.4	0.01422	2.9	0.23	91.1	2.6	115.0	13.5	644.8	259.5	91.1	2.6
4	223	2.6	14078	0.10915	5.3	0.01423	2.1	0.40	91.1	1.9	105.2	5.3	438.2	108.8	91.1	1.9
3	73	2.8	2406	0.10393	11.1	0.01424	3.5	0.32	91.2	3.2	100.4	10.6	325.5	238.5	91.2	3.2
6	110	3.2	1698	0.10711	13.6	0.01425	4.9	0.36	91.2	4.4	103.3	13.4	392.2	287.0	91.2	4.4
27	136	2.3	935	0.11109	9.5	0.01428	2.0	0.21	91.4	1.8	107.0	9.6	469.2	205.4	91.4	1.8
41	155	3.0	2447	0.10692	8.6	0.01429	2.2	0.26	91.5	2.0	103.1	8.4	381.6	187.0	91.5	2.0
21	100	2.2	1162	0.10789	22.5	0.01432	3.9	0.17	91.6	3.6	104.0	22.2	398.4	501.4	91.6	3.6
43	122	3.5	1977	0.13334	6.3	0.01434	3.2	0.51	91.8	2.9	127.1	7.5	850.7	113.1	91.8	2.9
31	103	2.1	1531	0.11438	13.6	0.01439	3.7	0.27	92.1	3.3	110.0	14.1	517.0	287.9	92.1	3.3
40	397	1.8	5342	0.09574	4.9	0.01440	1.7	0.35	92.2	1.6	92.8	4.3	109.7	107.9	92.2	1.6
18	37	2.1	299	0.09214	14.9	0.01445	5.5	0.37	92.5	5.1	89.5	12.8	11.3	334.4	92.5	5.1
50	160	3.0	1943	0.11731	5.3	0.01445	3.5	0.66	92.5	3.2	112.6	5.6	562.1	87.0	92.5	3.2
2	131	2.3	4245	0.10933	10.7	0.01473	2.6	0.24	94.3	2.4	105.4	10.7	363.6	234.9	94.3	2.4
26	119	2.6	1969	0.12015	10.3	0.01657	1.9	0.18	106.0	2.0	115.2	11.2	310.4	230.6	106.0	2.0
13	210	3.3	1658	0.11645	4.5	0.01676	2.8	0.63	107.1	3.0	111.8	4.8	213.6	81.4	107.1	3.0
5	151	4.8	4349	0.19262	3.0	0.02720	1.7	0.58	173.0	3.0	178.9	4.9	256.8	56.5	173.0	3.0
7	404	3.7	20921	0.22305	3.1	0.03151	2.3	0.72	200.0	4.4	204.4	5.8	255.8	49.8	200.0	4.4
34	225	0.8	18589	3.71081	3.2	0.27346	2.0	0.61	1558.3	27.2	1573.7	25.8	1594.4	47.8	1594.4	47.8
24	432	1.2	50455	4.03955	2.4	0.28978	1.4	0.57	1640.4	19.7	1642.2	19.3	1644.4	36.0	1644.4	36.0
12	177	1.6	67429	4.11740	3.1	0.29451	2.8	0.88	1664.0	40.6	1657.8	25.6	1649.8	27.1	1649.8	27.1
23	118	1.8	19768	4.27531	2.5	0.30151	1.5	0.59	1698.8	22.1	1688.6	20.8	1676.0	37.9	1676.0	37.9
08KR-1: Knik River (6V, 392264, 6820400)																
77	80	2.4	73392	0.0857	27.6	0.0139	4.5	0.16	88.7	4.0	83.5	22.1	-62.3	673.9	88.7	4.0
64	162	1.8	112052	0.0955	7.4	0.0142	3.2	0.43	90.7	2.9	92.7	6.5	142.4	156.2	90.7	2.9
96	107	2.3	5228	0.0980	12.4	0.0142	3.1	0.25	90.7	2.7	94.9	11.2	201.8	279.8	90.7	2.7
62	128	2.7	18596	0.0810	17.7	0.0143	1.7	0.10	91.6	1.5	79.0	13.4	-284.8	450.9	91.6	1.5
60	169	1.9	49140	0.0866	16.4	0.0143	2.7	0.17	91.7	2.5	84.3	13.3	-119.4	402.1	91.7	2.5
56	377	1.9	63764	0.0955	4.4	0.0143	1.8	0.41	91.8	1.6	92.6	3.9	115.2	94.4	91.8	1.6
12	71	2.6	8192	0.0835	19.3	0.0144	2.4	0.12	91.9	2.2	81.4	15.1	-215.8	485.6	91.9	2.2
42	252	3.4	40660	0.0955	8.2	0.0144	2.5	0.30	92.2	2.3	92.7	7.3	103.6	185.7	92.2	2.3
100	63	2.8	11808	0.0851	40.7	0.0144	2.4	0.06	92.3	2.2	82.9	32.4	-179.4	1050.8	92.3	2.2
89	157	4.0	21808	0.1041	6.2	0.0144	2.1	0.35	92.3	2.0	100.6	5.9	301.5	132.2	92.3	2.0
18	184	2.3	6752	0.0974	8.5	0.0144	2.3	0.27	92.3	2.1	94.4	7.6	146.0	191.8	92.3	2.1
52	87	2.6	6768	0.0927	25.2	0.0144	2.4	0.09	92.3	2.2	90.1	21.7	29.8	609.4	92.3	2.2
38	65	4.1	5508	0.0846	18.4	0.0144	1.5	0.08	92.4	1.4	82.5	14.5	-196.7	461.1	92.4	1.4
76	72	2.4	11228	0.0861	30.3	0.0145	3.1	0.10	92.6	2.9	83.9	24.4	-159.2	763.9	92.6	2.9

10	210	3.0	10028	0.0978	9.5	0.0146	5.6	0.59	93.2	5.2	94.7	8.6	134.0	180.2	93.2	5.2
5	101	3.3	8368	0.0936	31.7	0.0146	2.5	0.08	93.3	2.3	90.9	27.5	28.7	773.4	93.3	2.3
22	127	1.8	9020	0.0905	19.0	0.0146	2.0	0.10	93.4	1.8	88.0	16.0	-57.8	464.6	93.4	1.8
36	609	1.8	29904	0.0961	3.9	0.0146	2.3	0.60	93.5	2.2	93.2	3.5	85.3	74.2	93.5	2.2
79	74	2.7	8176	0.1074	9.1	0.0147	2.6	0.29	94.1	2.5	103.6	9.0	329.1	198.4	94.1	2.5
67	318	1.8	28516	0.0947	7.0	0.0147	2.9	0.41	94.3	2.7	91.8	6.2	28.0	154.2	94.3	2.7
81	90	2.7	11028	0.0978	20.2	0.0147	1.1	0.05	94.3	1.0	94.7	18.2	104.2	479.9	94.3	1.0
87	80	3.0	4280	0.0870	21.0	0.0148	1.9	0.09	94.8	1.8	84.7	17.1	-190.4	527.7	94.8	1.8
99	55	2.5	2276	0.0748	38.3	0.0148	2.3	0.06	94.9	2.1	73.2	27.0	-589.3	1068.1	94.9	2.1
71	66	2.8	13048	0.0797	22.7	0.0148	4.3	0.19	95.0	4.0	77.9	17.0	-419.3	589.6	95.0	4.0
32	446	2.7	26120	0.0975	3.9	0.0148	1.8	0.47	95.0	1.7	94.5	3.5	82.0	81.6	95.0	1.7
70	99	3.5	5892	0.0845	21.3	0.0148	1.5	0.07	95.0	1.5	82.4	16.8	-269.3	543.8	95.0	1.5
78	218	3.0	26664	0.0956	4.9	0.0149	1.2	0.25	95.1	1.2	92.7	4.4	30.4	114.9	95.1	1.2
20	101	2.1	17604	0.0899	18.5	0.0149	3.4	0.18	95.2	3.2	87.4	15.5	-119.7	451.9	95.2	3.2
11	82	2.0	4984	0.0811	28.8	0.0149	2.3	0.08	95.2	2.2	79.2	22.0	-381.1	760.0	95.2	2.2
85	437	3.6	63840	0.1000	5.0	0.0149	0.7	0.14	95.4	0.6	96.8	4.6	130.6	115.4	95.4	0.6
45	100	3.2	11836	0.0805	27.4	0.0149	1.7	0.06	95.4	1.6	78.6	20.7	-407.4	725.4	95.4	1.6
98	139	3.0	29488	0.0921	15.7	0.0149	6.1	0.39	95.5	5.8	89.4	13.4	-69.3	355.2	95.5	5.8
57	92	4.1	22312	0.0720	34.5	0.0149	2.9	0.08	95.5	2.8	70.6	23.5	-706.9	979.4	95.5	2.8
13	188	2.4	14504	0.0957	8.0	0.0149	3.5	0.44	95.5	3.3	92.8	7.1	24.6	173.7	95.5	3.3
72	93	3.7	44596	0.0816	22.7	0.0149	2.4	0.11	95.5	2.3	79.7	17.4	-372.8	591.4	95.5	2.3
82	134	2.3	7380	0.0833	20.9	0.0149	2.9	0.14	95.6	2.8	81.2	16.3	-323.3	536.1	95.6	2.8
94	116	5.2	13992	0.0908	11.8	0.0150	3.7	0.32	95.7	3.5	88.2	9.9	-110.0	275.3	95.7	3.5
2	163	2.7	10004	0.0904	16.4	0.0150	2.2	0.13	95.9	2.1	87.8	13.8	-124.6	403.7	95.9	2.1
66	90	2.5	8232	0.0876	16.2	0.0150	2.8	0.17	96.0	2.6	85.3	13.3	-205.9	402.9	96.0	2.6
93	263	6.5	28220	0.0999	11.0	0.0150	1.9	0.18	96.0	1.8	96.7	10.1	113.5	256.1	96.0	1.8
58	151	3.3	11508	0.1064	8.5	0.0150	3.0	0.35	96.1	2.9	102.7	8.3	257.8	184.2	96.1	2.9
63	29	3.7	5488	0.0901	50.6	0.0151	3.1	0.06	96.4	2.9	87.6	42.5	-146.6	1329.8	96.4	2.9
17	92	2.8	29236	0.1230	9.5	0.0151	2.0	0.21	96.5	1.9	117.8	10.6	573.5	202.6	96.5	1.9
49	128	2.8	17196	0.0893	27.2	0.0151	2.5	0.09	96.5	2.4	86.9	22.6	-170.7	685.0	96.5	2.4
90	79	2.9	6644	0.0717	44.1	0.0151	2.1	0.05	96.5	2.0	70.3	30.0	-751.8	1289.6	96.5	2.0
3	136	4.2	27960	0.0995	17.1	0.0151	2.4	0.14	96.6	2.3	96.3	15.7	87.6	403.9	96.6	2.3
73	269	2.6	47392	0.0986	10.2	0.0152	1.3	0.13	97.0	1.2	95.5	9.3	59.0	242.4	97.0	1.2
28	127	3.2	10572	0.0886	25.0	0.0152	3.3	0.13	97.1	3.1	86.2	20.6	-207.5	628.9	97.1	3.1
68	57	2.4	23576	0.0848	27.4	0.0152	2.5	0.09	97.3	2.4	82.6	21.7	-323.4	711.4	97.3	2.4
61	113	2.7	14756	0.0897	24.2	0.0152	1.7	0.07	97.3	1.7	87.2	20.3	-182.2	611.2	97.3	1.7
16	158	2.6	18516	0.0959	13.4	0.0152	1.7	0.12	97.4	1.6	93.0	11.9	-18.0	323.6	97.4	1.6
43	122	2.9	12700	0.0925	13.5	0.0152	1.5	0.11	97.4	1.5	89.8	11.6	-106.6	331.4	97.4	1.5
37	128	2.6	11516	0.0975	23.6	0.0152	1.6	0.07	97.6	1.5	94.4	21.3	16.4	571.8	97.6	1.5
29	221	2.5	35828	0.1029	7.9	0.0153	1.5	0.19	97.7	1.4	99.5	7.5	141.4	182.7	97.7	1.4
51	110	2.9	13912	0.0994	14.5	0.0153	2.5	0.17	97.9	2.4	96.2	13.4	54.4	343.4	97.9	2.4
24	106	5.7	3568	0.1357	23.2	0.0153	0.9	0.04	97.9	0.9	129.2	28.1	751.0	495.3	97.9	0.9
40	401	2.6	43912	0.1020	6.3	0.0153	2.2	0.35	98.0	2.1	98.6	5.9	114.1	139.8	98.0	2.1
65	249	2.1	29616	0.0986	8.5	0.0154	2.3	0.27	98.2	2.3	95.5	7.7	28.6	195.6	98.2	2.3
88	82	2.8	10672	0.0835	22.9	0.0154	1.3	0.05	98.2	1.2	81.4	17.9	-387.8	600.1	98.2	1.2
91	208	2.5	9396	0.1027	8.4	0.0154	1.1	0.13	98.2	1.1	99.3	7.9	123.8	196.1	98.2	1.1
19	542	2.7	31632	0.1005	5.7	0.0154	2.8	0.48	98.4	2.7	97.3	5.3	69.5	119.4	98.4	2.7
23	111	2.1	14452	0.1030	14.1	0.0154	6.9	0.49	98.5	6.7	99.5	13.4	125.0	291.5	98.5	6.7
46	92	2.7	9520	0.1043	21.5	0.0154	2.1	0.10	98.5	2.0	100.7	20.6	154.0	505.2	98.5	2.0
47	129	1.7	7892	0.1103	6.9	0.0154	2.0	0.30	98.5	2.0	106.3	7.0	283.2	150.7	98.5	2.0
35	80	3.0	10780	0.0930	36.6	0.0155	1.7	0.05	99.0	1.7	90.3	31.6	-132.6	929.8	99.0	1.7
48	304	2.2	24280	0.1015	7.1	0.0155	0.8	0.11	99.1	0.8	98.1	6.6	74.1	166.8	99.1	0.8
39	214	2.7	45560	0.1006	8.4	0.0155	3.5	0.42	99.2	3.5	97.3	7.8	52.2	182.0	99.2	3.5
53	179	2.4	16824	0.0982	8.8	0.0155	1.4	0.15	99.3	1.3	95.1	8.0	-8.8	209.6	99.3	1.3
44	177	2.7	32800	0.0962	8.2	0.0155	1.2	0.14	99.4	1.2	93.3	7.3	-59.9	198.1	99.4	1.2
75	78	3.7	5628	0.0884	31.9	0.0157	2.7	0.08	100.5	2.6	86.0	26.3	-299.2	829.0	100.5	2.6
41	456	3.0	38668	0.1037	5.3	0.0157	3.2	0.60	100.5	3.2	100.2	5.0	92.0	100.1	100.5	3.2
74	83	2.7	10664	0.0696	57.3	0.0157	3.0	0.05	100.6	3.0	68.3	37.9	-954.5	1807.6	100.6	3.0
27	130	2.9	10060	0.1074	20.0	0.0157	2.2	0.11	100.7	2.2	103.5	19.7	170.1	468.0	100.7	2.2
55	158	2.4	15336	0.0971	10.3	0.0158	2.8	0.27	101.0	2.8	94.1	9.3	-77.6	242.7	101.0	2.8
33	221	2.7	19884	0.1035	8.6	0.0158	3.4	0.40	101.2	3.4	100.0	8.1	70.9	186.6	101.2	3.4
14	103	2.4	22660	0.0959	15.0	0.0159	1.8	0.12	101.4	1.8	93.0	13.3	-117.9	368.1	101.4	1.8
30	60	3.1	5948	0.1020	21.4	0.0162	0.9	0.04	103.7	0.9	98.6	20.1	-24.3	522.9	103.7	0.9
26	161	3.2	13100	0.1180	11.2	0.0162	1.4	0.12	103.9	1.4	113.3	12.0	316.0	253.5	103.9	1.4

54	136	3.1	10956	0.1113	16.5	0.0163	1.8	0.11	104.1	1.9	107.2	16.7	176.2	383.9	104.1	1.9
34	153	1.8	9228	0.1018	23.5	0.0167	2.6	0.11	106.6	2.7	98.4	22.0	-94.7	579.4	106.6	2.7
86	197	3.7	49168	0.1186	10.3	0.0194	0.9	0.09	123.8	1.1	113.8	11.1	-92.2	252.4	123.8	11.0
25	187	4.2	21296	0.1609	5.3	0.0238	2.9	0.55	151.7	4.4	151.5	7.5	148.2	104.7	151.7	4.4
8	84	3.4	5624	0.1637	12.7	0.0247	2.4	0.19	157.5	3.7	154.0	18.2	100.5	297.0	157.5	3.7
84	127	2.5	55776	0.1720	7.6	0.0249	3.8	0.50	158.5	5.9	161.1	11.3	200.5	152.1	158.5	5.9
15	104	2.8	13392	0.1830	6.0	0.0249	1.9	0.32	158.7	3.0	170.6	9.4	339.5	128.4	158.7	3.0
92	56	2.4	13120	0.1555	23.6	0.0250	3.4	0.15	159.2	5.4	146.8	32.3	-49.9	575.8	159.2	5.4
1	169	2.8	17920	0.1655	5.6	0.0252	1.1	0.19	160.5	1.7	155.5	8.1	78.7	131.0	160.5	1.7
31	242	3.1	52376	0.1715	7.1	0.0255	3.6	0.51	162.5	5.8	160.7	10.6	134.7	143.8	162.5	5.8
21	134	2.2	12436	0.1864	9.0	0.0256	2.9	0.32	163.0	4.7	173.6	14.4	320.1	195.1	163.0	4.7
69	410	2.2	37800	0.1825	3.2	0.0268	2.2	0.68	170.2	3.6	170.2	4.9	170.5	53.8	170.2	3.6
50	532	2.9	112224	0.1918	3.0	0.0278	0.8	0.27	177.0	1.4	178.1	4.8	193.5	66.3	177.0	1.4
95	487	4.4	129168	0.2313	3.2	0.0327	1.3	0.39	207.4	2.6	211.3	6.1	255.0	68.3	207.4	2.6

08-Eklutna: Eklutna Lake (6V, 394764, 6799350)

28	140	3.1	9600	0.0909	6.5	0.0138	3.6	0.55	88.1	3.1	88.3	5.5	95.9	128.5	88.1	3.1
62	203	2.5	18028	0.0926	9.1	0.0138	3.2	0.35	88.1	2.8	89.9	7.8	138.2	200.4	88.1	2.8
33	91	3.5	31964	0.1011	19.2	0.0138	3.2	0.17	88.3	2.8	97.8	17.9	338.1	433.1	88.3	2.8
58	93	3.4	9096	0.0968	15.9	0.0139	5.7	0.36	88.9	5.1	93.8	14.3	221.4	346.0	88.9	5.1
59	70	2.8	8220	0.0666	34.0	0.0139	3.2	0.09	88.9	2.8	65.5	21.6	-724.3	966.6	88.9	2.8
65	141	3.5	24344	0.0934	15.8	0.0139	4.8	0.30	89.1	4.2	90.7	13.7	133.1	356.5	89.1	4.2
38	61	3.0	11680	0.0940	29.7	0.0139	2.1	0.07	89.1	1.8	91.3	25.9	147.1	707.3	89.1	1.8
36	58	3.6	4560	0.0823	28.1	0.0139	1.4	0.05	89.3	1.2	80.3	21.7	-178.2	711.1	89.3	1.2
66	68	3.0	3928	0.0796	29.4	0.0140	1.3	0.04	89.7	1.1	77.8	22.0	-273.3	760.1	89.7	1.1
10	67	3.8	8244	0.0887	31.0	0.0140	3.3	0.11	89.8	3.0	86.3	25.6	-9.1	759.7	89.8	3.0
26	109	2.9	6384	0.0958	15.9	0.0140	3.3	0.21	89.9	3.0	92.9	14.1	171.9	364.3	89.9	3.0
30	73	2.4	5096	0.1018	22.8	0.0141	1.9	0.08	90.0	1.7	98.4	21.4	307.5	524.2	90.0	1.7
56	97	2.4	8880	0.0916	15.7	0.0141	2.7	0.17	90.3	2.4	89.0	13.4	54.8	372.0	90.3	2.4
25	100	3.3	9436	0.0961	21.3	0.0141	1.8	0.08	90.4	1.6	93.2	18.9	164.8	500.3	90.4	1.6
41	61	3.6	4756	0.0712	32.7	0.0141	1.6	0.05	90.5	1.4	69.9	22.1	-591.0	906.4	90.5	1.4
60	81	3.6	9072	0.0847	43.9	0.0142	1.2	0.03	90.6	1.1	82.6	34.8	-143.9	1136.2	90.6	1.1
63	93	2.2	6332	0.1018	13.6	0.0142	2.0	0.15	90.8	1.8	98.5	12.7	289.1	308.0	90.8	1.8
17	72	2.5	11352	0.0617	43.7	0.0142	1.8	0.04	91.1	1.7	60.8	25.8	-1016.8	1351.3	91.1	1.7
57	65	2.7	5716	0.0863	38.7	0.0142	1.8	0.05	91.2	1.7	84.1	31.2	-112.5	984.0	91.2	1.7
48	54	2.9	4152	0.0888	27.6	0.0143	2.3	0.08	91.2	2.1	86.4	22.9	-46.2	680.0	91.2	2.1
74	141	3.3	15868	0.0906	23.0	0.0143	1.9	0.08	91.3	1.7	88.1	19.4	0.6	558.0	91.3	1.7
8	64	2.5	2768	0.0782	43.2	0.0143	3.3	0.08	91.4	3.0	76.4	31.8	-369.3	1162.5	91.4	3.0
7	78	2.4	74984	0.0918	23.2	0.0143	1.6	0.07	91.6	1.4	89.1	19.8	24.2	561.4	91.6	1.4
44	61	3.2	1280	0.1563	18.6	0.0143	3.7	0.20	91.7	3.4	147.5	25.6	1175.0	364.4	91.7	3.4
64	90	2.7	7936	0.1026	22.4	0.0143	2.2	0.10	91.8	2.0	99.1	21.1	280.1	514.9	91.8	2.0
37	160	4.7	21088	0.0878	10.8	0.0143	2.6	0.24	91.8	2.4	85.5	8.9	-88.9	257.5	91.8	2.4
16	56	2.7	19784	0.1155	33.6	0.0144	4.4	0.13	92.0	4.0	110.9	35.4	538.4	748.7	92.0	4.0
72	44	2.9	2368	0.0666	44.5	0.0144	2.6	0.06	92.0	2.4	65.5	28.3	-823.7	1322.3	92.0	2.4
1	68	3.5	5220	0.1105	26.3	0.0144	5.2	0.20	92.1	4.7	106.5	26.6	440.8	582.5	92.1	4.7
31	103	3.5	13484	0.0908	18.9	0.0144	4.3	0.23	92.2	3.9	88.3	16.0	-17.4	449.4	92.2	3.9
15	117	2.3	9028	0.0875	14.4	0.0144	4.2	0.29	92.2	3.8	85.2	11.8	-108.6	341.2	92.2	3.8
69	57	3.1	2244	0.0857	44.8	0.0144	5.4	0.12	92.3	5.0	83.4	35.9	-163.5	1158.0	92.3	5.0
75	101	2.5	4328	0.0887	15.3	0.0145	2.2	0.14	92.6	2.0	86.3	12.6	-86.3	372.4	92.6	2.0
52	126	2.1	5340	0.0982	9.4	0.0145	1.5	0.16	92.6	1.4	95.1	8.6	156.5	218.3	92.6	1.4
43	111	2.2	4652	0.0899	14.5	0.0145	2.2	0.15	92.7	2.0	87.4	12.2	-54.6	351.6	92.7	2.0
35	210	2.3	27220	0.0924	8.0	0.0145	3.4	0.42	92.7	3.1	89.8	6.8	11.6	173.8	92.7	3.1
73	265	2.2	9992	0.0990	11.5	0.0145	1.6	0.14	93.0	1.5	95.8	10.5	167.3	266.3	93.0	1.5
47	152	2.7	9268	0.0926	12.3	0.0146	1.5	0.12	93.2	1.4	89.9	10.6	5.5	294.8	93.2	1.4
27	112	2.2	7960	0.0890	12.4	0.0146	1.1	0.09	93.3	1.0	86.6	10.3	-96.3	305.1	93.3	1.0
11	129	3.4	2768	0.1207	20.9	0.0146	1.3	0.06	93.4	1.2	115.7	22.9	604.5	456.0	93.4	1.2
21	88	3.9	5672	0.0907	23.5	0.0146	2.6	0.11	93.4	2.4	88.2	19.8	-50.0	574.1	93.4	2.4
6	68	3.6	8980	0.0929	37.5	0.0146	2.7	0.07	93.4	2.5	90.2	32.4	5.4	929.6	93.4	2.5
55	149	2.8	13224	0.0993	9.4	0.0147	1.9	0.20	93.8	1.8	96.1	8.6	154.7	215.5	93.8	1.8
22	75	3.0	12204	0.0654	52.2	0.0147	1.5	0.03	93.9	1.4	64.4	32.5	-933.6	1616.0	93.9	1.4
23	64	3.1	5548	0.1131	24.2	0.0147	1.8	0.08	93.9	1.7	108.8	25.0	448.8	544.3	93.9	1.7
39	66	3.1	4352	0.0849	35.9	0.0147	2.1	0.06	93.9	1.9	82.7	28.5	-229.4	927.7	93.9	1.9
40	86	2.5	7760	0.0881	16.1	0.0147	2.2	0.13	94.0	2.0	85.7	13.3	-140.4	398.3	94.0	2.0
34	128	3.5	23664	0.0931	24.4	0.0147	1.7	0.07	94.3	1.6	90.4	21.1	-10.2	595.8	94.3	1.6

32	97	2.6	13496	0.0793	22.1	0.0147	3.1	0.14	94.3	2.9	77.5	16.5	-414.5	579.2	94.3	2.9
42	95	2.7	9992	0.0840	33.0	0.0148	1.1	0.03	94.4	1.0	81.9	26.0	-270.9	858.9	94.4	1.0
3	201	1.6	12628	0.0987	11.7	0.0148	2.7	0.23	94.6	2.5	95.6	10.7	120.1	269.3	94.6	2.5
29	114	2.5	10476	0.0856	18.0	0.0148	2.0	0.11	94.6	1.9	83.4	14.5	-226.2	454.8	94.6	1.9
5	168	2.4	13060	0.1069	9.3	0.0148	1.2	0.13	95.0	1.1	103.1	9.1	295.6	211.2	95.0	1.1
14	78	2.2	11900	0.1174	26.1	0.0149	1.3	0.05	95.1	1.2	112.7	27.9	503.2	583.5	95.1	1.2
45	74	3.0	5528	0.0583	71.1	0.0149	1.8	0.03	95.2	1.7	57.6	39.8	-1326.5	2568.8	95.2	1.7
9	88	2.7	3512	0.0906	18.2	0.0149	2.2	0.12	95.3	2.0	88.1	15.3	-102.0	446.9	95.3	2.0
18	104	3.8	9616	0.0920	17.3	0.0149	2.6	0.15	95.6	2.5	89.4	14.8	-73.1	421.1	95.6	2.5
61	73	2.3	6472	0.1006	26.1	0.0150	1.3	0.05	95.8	1.3	97.4	24.3	134.5	622.4	95.8	1.3
54	85	3.2	16936	0.0945	19.1	0.0150	2.2	0.12	95.9	2.1	91.7	16.8	-16.2	463.2	95.9	2.1
50	132	2.7	18260	0.1058	14.5	0.0150	1.3	0.09	96.0	1.2	102.1	14.1	247.1	334.9	96.0	1.2
53	61	3.1	11520	0.0693	36.1	0.0150	1.5	0.04	96.0	1.4	68.1	23.8	-831.8	1059.0	96.0	1.4
4	118	2.7	13756	0.1035	17.5	0.0150	1.6	0.09	96.1	1.5	100.0	16.7	194.9	407.3	96.1	1.5
68	85	2.3	2620	0.1260	16.7	0.0151	1.2	0.07	96.4	1.2	120.5	19.0	625.6	361.5	96.4	1.2
46	82	3.2	11992	0.0964	13.1	0.0151	3.1	0.24	96.6	3.0	93.4	11.7	13.8	305.8	96.6	3.0
71	200	3.2	13336	0.1015	8.7	0.0151	1.2	0.14	96.8	1.1	98.1	8.1	129.4	202.2	96.8	1.1
51	212	2.2	9804	0.1002	10.1	0.0153	0.7	0.07	97.9	0.7	97.0	9.3	74.5	240.0	97.9	0.7
49	98	2.3	6700	0.0914	22.8	0.0154	0.5	0.02	98.3	0.5	88.8	19.4	-159.5	573.2	98.3	0.5
19	114	2.6	10516	0.0857	28.2	0.0154	1.4	0.05	98.6	1.3	83.5	22.6	-329.0	736.0	98.6	1.3
70	110	3.2	21124	0.0958	12.1	0.0154	1.8	0.15	98.7	1.7	92.9	10.7	-52.8	292.1	98.7	1.7
2	86	3.7	3564	0.1038	11.0	0.0155	2.9	0.26	98.9	2.8	100.2	10.5	132.0	250.2	98.9	2.8
67	210	3.3	13940	0.1111	4.3	0.0155	1.5	0.35	99.2	1.4	107.0	4.3	284.3	91.5	99.2	1.4
20	211	2.3	35004	0.1011	6.2	0.0160	0.8	0.13	102.5	0.8	97.8	5.8	-14.9	148.2	102.5	0.8
13	251	3.0	24380	0.1071	7.9	0.0163	3.0	0.38	104.0	3.1	103.3	7.7	87.4	172.2	104.0	3.1
12	491	2.2	59068	0.1246	2.8	0.0187	1.2	0.43	119.3	1.4	119.3	3.2	119.2	59.8	119.3	1.4

08AnMS-02: Turnagain Arm (6V, 359197, 6763731)

60	372	5.0	2574	0.0774	14.1	0.0117	0.8	0.06	75.3	0.6	75.7	10.3	89.3	334.8	75.3	0.6
45	51	3.1	586	0.0731	48.5	0.0131	2.7	0.05	84.2	2.2	71.6	33.6	-329.3	1312.6	84.2	2.2
46	77	3.1	1082	0.1125	32.7	0.0132	4.2	0.13	84.4	3.6	108.2	33.6	669.8	712.4	84.4	3.6
61	49	2.7	892	0.0499	53.2	0.0133	5.2	0.10	85.1	4.4	49.4	25.7	-1468.4	1853.5	85.1	4.4
63	57	4.0	708	0.0776	46.3	0.0139	4.4	0.10	89.0	3.9	75.9	33.9	-318.7	1240.8	89.0	3.9
86	85	3.5	1412	0.0924	28.9	0.0139	2.6	0.09	89.3	2.3	89.7	24.9	101.3	694.4	89.3	2.3
82	81	2.4	2774	0.0817	41.3	0.0140	3.2	0.08	89.6	2.8	79.7	31.7	-206.2	1073.3	89.6	2.8
39	140	2.4	2410	0.0717	25.0	0.0140	2.8	0.11	89.9	2.5	70.3	17.0	-553.2	676.2	89.9	2.5
59	179	3.3	4846	0.0932	9.8	0.0140	2.4	0.24	89.9	2.1	90.5	8.5	106.3	225.8	89.9	2.1
57	308	2.5	2122	0.0909	10.4	0.0141	1.9	0.18	90.6	1.7	88.4	8.8	29.0	245.3	90.6	1.7
72	242	1.8	3592	0.0948	15.1	0.0142	1.4	0.09	90.8	1.3	92.0	13.2	123.0	354.7	90.8	1.3
89	346	3.0	8122	0.0872	11.7	0.0142	0.8	0.07	91.1	0.8	84.9	9.6	-84.7	287.7	91.1	0.8
31	407	2.1	4500	0.0972	7.4	0.0143	4.0	0.54	91.3	3.6	94.2	6.6	167.1	145.0	91.3	3.6
53	68	2.1	1384	0.0852	44.5	0.0144	2.3	0.05	92.0	2.1	83.0	35.5	-170.3	1157.3	92.0	2.1
97	270	2.7	5050	0.0921	11.2	0.0145	1.8	0.16	92.8	1.7	89.5	9.6	0.7	266.7	92.8	1.7
20	170	4.1	2054	0.0917	14.7	0.0145	2.2	0.15	92.8	2.0	89.1	12.5	-10.1	352.4	92.8	2.0
14	358	2.0	3878	0.0968	4.8	0.0145	1.2	0.24	93.1	1.1	93.8	4.3	111.4	109.4	93.1	1.1
87	77	4.4	492	0.1262	28.3	0.0146	3.0	0.10	93.1	2.7	120.7	32.2	704.2	610.2	93.1	2.7
94	152	2.5	3438	0.0788	25.7	0.0146	1.5	0.06	93.2	1.4	77.0	19.1	-401.2	679.1	93.2	1.4
44	48	2.9	512	0.0607	41.5	0.0146	6.4	0.15	93.2	5.9	59.9	24.1	-1135.2	1296.2	93.2	5.9
70	239	2.6	4628	0.1007	7.8	0.0146	2.4	0.31	93.5	2.3	97.5	7.2	195.9	171.7	93.5	2.3
66	202	3.3	3840	0.0972	13.2	0.0146	2.9	0.22	93.6	2.7	94.2	11.9	110.6	306.1	93.6	2.7
26	360	2.8	3726	0.0923	13.7	0.0147	1.2	0.09	93.8	1.1	89.6	11.7	-21.1	331.3	93.8	1.1
99	66	3.4	1126	0.1228	27.6	0.0147	2.8	0.10	93.9	2.6	117.6	30.7	627.0	602.3	93.9	2.6
49	153	2.4	1834	0.1071	16.5	0.0147	1.2	0.07	94.0	1.1	103.3	16.2	322.1	376.4	94.0	1.1
92	196	2.9	3814	0.0832	22.0	0.0147	1.2	0.06	94.1	1.2	81.1	17.2	-286.5	566.3	94.1	1.2
30	274	2.6	5150	0.0849	18.1	0.0147	1.9	0.10	94.2	1.8	82.7	14.3	-238.4	456.4	94.2	1.8
96	211	2.5	2442	0.0932	18.4	0.0147	3.1	0.17	94.3	2.9	90.5	15.9	-8.3	440.7	94.3	2.9
93	152	3.0	1368	0.0883	16.5	0.0147	0.8	0.05	94.4	0.8	85.9	13.6	-144.6	410.4	94.4	0.8
40	319	2.7	5494	0.0952	7.2	0.0148	1.4	0.20	94.5	1.3	92.3	6.3	35.1	168.5	94.5	1.3
18	121	2.7	1788	0.0900	35.3	0.0148	1.7	0.05	94.6	1.6	87.5	29.6	-102.3	890.4	94.6	1.6
84	328	2.2	7664	0.1012	6.0	0.0148	1.1	0.19	94.6	1.1	97.8	5.6	176.7	137.9	94.6	1.1
47	426	3.4	5138	0.0935	6.9	0.0148	1.8	0.27	94.7	1.7	90.8	6.0	-12.9	161.6	94.7	1.7
28	139	2.6	2412	0.0993	42.6	0.0148	1.5	0.04	94.9	1.4	96.1	39.1	127.6	1043.9	94.9	1.4
95	153	3.0	2638	0.0908	16.9	0.0148	2.1	0.12	95.0	2.0	88.2	14.3	-90.1	414.2	95.0	2.0
13	171	3.6	3188	0.0900	19.0	0.0148	0.9	0.05	95.0	0.8	87.5	15.9	-112.1	471.4	95.0	0.8

67	183	3.2	2572	0.1021	18.5	0.0149	1.5	0.08	95.1	1.4	98.7	17.4	187.4	431.4	95.1	1.4
68	148	3.2	2102	0.0967	14.7	0.0149	2.2	0.15	95.2	2.0	93.7	13.2	56.3	349.4	95.2	2.0
15	310	2.2	4906	0.0927	9.6	0.0149	0.9	0.10	95.2	0.9	90.0	8.3	-46.8	233.4	95.2	0.9
100	93	2.9	2366	0.0862	44.6	0.0149	1.4	0.03	95.4	1.3	83.9	35.9	-231.7	1174.9	95.4	1.3
6	79	4.9	1158	0.1076	29.4	0.0149	3.0	0.10	95.5	2.9	103.8	29.0	297.5	679.3	95.5	2.9
23	246	3.4	5996	0.0929	12.4	0.0150	2.4	0.20	95.8	2.3	90.2	10.7	-53.6	297.4	95.8	2.3
25	140	3.1	2344	0.1102	11.4	0.0150	2.1	0.18	95.9	2.0	106.2	11.5	344.0	254.7	95.9	2.0
98	254	2.8	2894	0.0978	20.8	0.0150	1.4	0.07	96.0	1.4	94.8	18.8	65.0	497.9	96.0	1.4
37	234	2.2	2430	0.1127	12.9	0.0150	1.5	0.12	96.1	1.4	108.4	13.2	388.5	287.6	96.1	1.4
73	219	3.1	3246	0.1034	7.3	0.0150	1.3	0.17	96.1	1.2	99.9	6.9	192.5	166.4	96.1	1.2
54	226	2.6	2180	0.1089	10.1	0.0150	2.3	0.23	96.2	2.2	105.0	10.1	309.8	225.5	96.2	2.2
16	133	3.4	2798	0.1036	27.4	0.0151	2.3	0.08	96.4	2.2	100.1	26.1	189.0	645.0	96.4	2.2
9	83	1.9	1240	0.0892	48.3	0.0151	2.4	0.05	96.5	2.3	86.8	40.2	-171.6	1268.5	96.5	2.3
64	65	3.3	1008	0.0792	42.0	0.0151	2.6	0.06	96.6	2.5	77.4	31.3	-483.2	1154.2	96.6	2.5
12	123	3.2	1644	0.0845	17.5	0.0151	3.7	0.21	96.7	3.5	82.3	13.8	-316.1	441.5	96.7	3.5
71	203	2.4	2276	0.1159	10.6	0.0151	2.0	0.19	96.8	1.9	111.3	11.1	435.4	231.4	96.8	1.9
62	301	2.5	778	0.1240	9.1	0.0151	0.5	0.06	96.8	0.5	118.7	10.2	582.7	196.8	96.8	0.5
52	277	2.3	3268	0.0997	8.1	0.0152	1.6	0.20	97.1	1.6	96.5	7.5	81.5	188.6	97.1	1.6
10	197	2.5	2570	0.1042	16.0	0.0152	2.7	0.17	97.2	2.6	100.7	15.3	184.3	368.3	97.2	2.6
17	318	2.3	5208	0.1003	10.4	0.0152	1.3	0.13	97.2	1.3	97.0	9.6	93.7	244.3	97.2	1.3
85	321	2.0	3798	0.0994	11.9	0.0152	0.5	0.04	97.2	0.5	96.2	10.9	71.4	284.2	97.2	0.5
80	317	2.9	5850	0.1028	6.7	0.0152	0.7	0.10	97.3	0.7	99.3	6.4	148.5	157.4	97.3	0.7
24	322	2.5	3028	0.1102	9.2	0.0152	2.1	0.22	97.4	2.0	106.2	9.3	309.1	205.4	97.4	2.0
75	236	2.2	2922	0.1029	9.5	0.0152	2.0	0.21	97.4	2.0	99.4	9.0	147.6	218.0	97.4	2.0
81	153	3.8	2590	0.0857	16.8	0.0152	0.8	0.05	97.6	0.8	83.5	13.5	-301.7	431.7	97.6	0.8
78	102	3.4	1904	0.1112	15.9	0.0153	2.2	0.14	97.7	2.1	107.1	16.1	321.3	358.7	97.7	2.1
1	91	3.2	2306	0.1169	23.4	0.0153	4.3	0.18	97.9	4.2	112.2	24.9	428.3	519.0	97.9	4.2
77	255	1.9	3206	0.1150	8.7	0.0154	1.4	0.16	98.3	1.4	110.5	9.1	381.7	193.8	98.3	1.4
43	155	4.3	2382	0.0996	11.8	0.0154	1.2	0.10	98.4	1.1	96.4	10.9	47.3	281.8	98.4	1.1
2	402	2.4	5198	0.1042	5.5	0.0154	0.9	0.16	98.6	0.9	100.6	5.3	148.7	128.4	98.6	0.9
83	167	3.1	2740	0.0852	18.4	0.0154	0.7	0.04	98.7	0.7	83.0	14.7	-349.3	478.7	98.7	0.7
38	301	3.0	5000	0.0965	13.1	0.0154	1.0	0.07	98.8	1.0	93.5	11.7	-37.8	319.3	98.8	1.0
42	46	2.8	754	0.1594	31.3	0.0155	3.7	0.12	99.0	3.6	150.2	43.7	1059.6	639.7	99.0	3.6
3	291	2.5	5246	0.0975	10.0	0.0155	1.5	0.15	99.1	1.5	94.5	9.1	-19.6	240.4	99.1	1.5
4	290	2.7	4008	0.0995	13.1	0.0155	1.1	0.08	99.1	1.1	96.4	12.1	28.4	314.6	99.1	1.1
32	118	2.6	1284	0.1120	30.2	0.0156	3.3	0.11	99.8	3.3	107.8	30.9	289.8	700.4	99.8	3.3
19	193	3.0	2718	0.0895	27.1	0.0156	1.1	0.04	99.9	1.1	87.1	22.6	-250.3	694.9	99.9	1.1
48	132	3.3	2284	0.1170	18.4	0.0156	1.2	0.07	99.9	1.2	112.4	19.5	386.0	414.8	99.9	1.2
33	99	3.7	1938	0.0885	34.4	0.0157	1.2	0.03	100.6	1.1	86.1	28.4	-297.5	901.5	100.6	1.1
22	182	2.6	6826	0.1070	20.1	0.0157	1.2	0.06	100.6	1.2	103.2	19.7	162.6	473.8	100.6	1.2
21	428	1.9	5968	0.0980	6.8	0.0158	1.1	0.16	101.0	1.1	94.9	6.2	-56.2	164.8	101.0	1.1
41	159	3.5	4460	0.1003	11.9	0.0158	0.5	0.04	101.2	0.5	97.0	11.0	-3.9	287.5	101.2	0.5
29	370	2.4	5572	0.0991	10.0	0.0159	1.4	0.14	101.8	1.4	95.9	9.1	-49.3	240.1	101.8	1.4
11	194	4.2	5116	0.0967	17.3	0.0160	2.4	0.14	102.5	2.4	93.8	15.5	-123.0	426.2	102.5	2.4
5	243	2.1	5038	0.1473	9.3	0.0234	0.9	0.10	148.9	1.3	139.5	12.2	-16.8	225.1	148.9	1.3
69	75	3.8	1910	0.1203	36.0	0.0237	1.9	0.05	151.3	2.9	115.3	39.3	-575.7	998.9	151.3	2.9
7	59	3.5	1590	0.1161	46.1	0.0241	5.6	0.12	153.5	8.4	111.5	48.7	-712.6	1332.5	153.5	8.4
79	33	3.5	1288	0.1276	45.0	0.0248	2.0	0.04	157.7	3.0	122.0	51.8	-529.7	1259.6	157.7	3.0
58	59	3.0	1488	0.1468	25.0	0.0249	4.1	0.17	158.8	6.5	139.1	32.5	-185.5	624.6	158.8	6.5
91	171	2.2	1836	0.1683	8.8	0.0250	1.3	0.15	159.0	2.0	157.9	12.9	141.8	204.8	159.0	2.0
90	85	3.7	3760	0.1527	13.8	0.0253	3.2	0.23	161.2	5.0	144.3	18.5	-125.8	331.9	161.2	5.0
50	79	4.4	2844	0.1556	17.9	0.0254	2.0	0.11	161.4	3.2	146.8	24.4	-83.1	438.1	161.4	3.2
27	119	3.6	1764	0.1920	13.5	0.0259	0.8	0.06	164.6	1.3	178.4	22.1	365.3	305.1	164.6	1.3
74	161	4.3	5246	0.2007	12.1	0.0260	0.6	0.05	165.8	0.9	185.7	20.5	448.1	268.5	165.8	0.9
88	64	2.9	2266	0.1751	16.6	0.0261	1.4	0.08	166.3	2.3	163.9	25.1	128.8	391.5	166.3	2.3
56	1366	10.2	24114	0.1847	2.7	0.0263	2.0	0.74	167.6	3.3	172.1	4.3	235.5	41.9	167.6	3.3
51	138	4.0	3176	0.1642	14.2	0.0268	1.0	0.07	170.2	1.7	154.4	20.4	-82.2	348.6	170.2	1.7
55	90	3.1	10482	0.2202	14.4	0.0292	1.1	0.08	185.5	2.0	202.1	26.4	400.0	323.0	185.5	2.0
65	119	4.9	5308	0.2190	14.1	0.0301	1.3	0.09	191.3	2.4	201.0	25.8	316.7	321.5	191.3	2.4
76	51	2.1	6496	0.2170	18.3	0.0314	3.2	0.17	199.2	6.2	199.4	33.1	201.6	420.5	199.2	6.2

08AnMS-04: Turnagain Arm (6V, 357578, 6765277)

15	91	2.7	1604	0.0885	30.9	0.0137	2.7	0.09	87.5	2.3	86.1	25.5	47.7	749.7	87.5	2.3
34	52	3.1	822	0.0940	49.6	0.0138	4.3	0.09	88.3	3.8	91.2	43.3	168.4	1225.4	88.3	3.8

28	138	2.7	2020	0.1041	11.9	0.0148	3.4	0.28	95.0	3.2	100.6	11.4	234.9	263.6	95.0	3.2
4	419	2.8	4104	0.0912	9.1	0.0149	0.9	0.10	95.5	0.9	88.6	7.7	-94.6	222.6	95.5	0.9
39	132	2.8	1498	0.0829	29.2	0.0150	3.5	0.12	95.9	3.3	80.9	22.7	-344.9	759.6	95.9	3.3
12	137	3.2	2222	0.0755	28.8	0.0150	1.3	0.05	96.1	1.3	73.9	20.5	-597.2	795.4	96.1	1.3
69	287	1.9	2194	0.0965	8.2	0.0152	2.1	0.25	97.2	2.0	93.5	7.4	1.4	192.8	97.2	2.0
13	175	2.4	2162	0.0924	13.0	0.0153	1.7	0.13	97.7	1.6	89.7	11.2	-117.5	319.0	97.7	1.6
60	158	4.2	1972	0.1022	14.8	0.0154	3.1	0.21	98.5	3.0	98.8	13.9	105.9	343.9	98.5	3.0
11	184	2.9	2024	0.1140	14.4	0.0155	1.7	0.12	99.0	1.7	109.6	14.9	346.1	324.1	99.0	1.7
50	261	3.1	3430	0.0931	11.7	0.0155	1.1	0.09	99.1	1.1	90.4	10.2	-133.6	290.1	99.1	1.1
32	91	3.6	1262	0.0937	40.2	0.0155	2.6	0.07	99.4	2.6	90.9	35.0	-125.1	1026.3	99.4	2.6
57	211	2.9	1668	0.1234	17.3	0.0155	4.0	0.23	99.5	3.9	118.2	19.3	513.9	371.7	99.5	3.9
31	153	3.6	2376	0.1019	17.0	0.0156	2.4	0.14	99.8	2.4	98.5	16.0	67.0	403.8	99.8	2.4
18	231	2.8	4074	0.1207	14.8	0.0158	1.7	0.11	100.8	1.7	115.7	16.2	434.3	329.3	100.8	1.7
76	210	1.9	2104	0.1061	11.9	0.0158	2.1	0.18	101.1	2.1	102.4	11.6	133.4	277.2	101.1	2.1
70	222	2.1	2904	0.1052	7.2	0.0159	1.4	0.19	101.4	1.4	101.6	7.0	106.5	167.5	101.4	1.4
100	144	5.7	2548	0.0814	26.7	0.0159	1.6	0.06	101.6	1.6	79.4	20.4	-545.5	726.4	101.6	1.6
44	323	2.8	4166	0.0982	9.3	0.0159	0.9	0.09	101.6	0.9	95.1	8.5	-65.8	226.7	101.6	0.9
29	327	2.6	3138	0.1119	4.9	0.0159	1.3	0.26	101.7	1.3	107.7	5.0	243.8	109.7	101.7	1.3
27	184	5.6	3042	0.0973	8.1	0.0159	1.5	0.18	101.8	1.5	94.3	7.3	-92.2	196.4	101.8	1.5
25	215	2.6	4180	0.0995	15.8	0.0159	1.9	0.12	102.0	1.9	96.4	14.5	-41.2	383.4	102.0	1.9
19	170	8.0	2882	0.1127	17.7	0.0160	2.6	0.15	102.5	2.7	108.4	18.2	239.0	407.4	102.5	2.7
66	51	2.2	756	0.0744	60.4	0.0161	2.7	0.04	102.9	2.8	72.8	42.5	-831.9	1876.3	102.9	2.8
77	247	1.1	2052	0.0954	12.9	0.0161	0.9	0.07	103.0	0.9	92.6	11.4	-169.1	321.1	103.0	0.9
23	77	3.5	976	0.0996	18.9	0.0162	2.2	0.11	103.4	2.2	96.4	17.3	-74.5	461.5	103.4	2.2
24	120	3.6	1266	0.0909	20.8	0.0162	1.0	0.05	103.8	1.1	88.3	17.6	-313.3	536.0	103.8	1.1
49	212	3.3	2656	0.0929	14.7	0.0163	1.3	0.09	104.0	1.3	90.2	12.7	-259.6	373.6	104.0	1.3
81	106	2.0	1286	0.1044	41.9	0.0164	0.8	0.02	104.7	0.8	100.9	40.3	11.3	1049.1	104.7	0.8
99	179	1.7	1288	0.1078	10.0	0.0165	0.5	0.05	105.5	0.5	103.9	9.9	67.6	238.0	105.5	0.5
10	124	3.9	1992	0.1065	17.7	0.0166	2.0	0.11	106.4	2.1	102.8	17.3	19.5	425.9	106.4	2.1
53	155	3.2	2224	0.1053	17.9	0.0167	2.0	0.11	106.6	2.1	101.7	17.4	-11.1	433.6	106.6	2.1
67	137	3.2	1566	0.0944	21.6	0.0168	1.6	0.07	107.3	1.7	91.6	19.0	-300.4	557.0	107.3	1.7
98	328	1.7	4724	0.1087	10.1	0.0168	0.8	0.08	107.4	0.8	104.8	10.0	44.5	240.4	107.4	0.8
94	158	1.8	1578	0.1083	14.5	0.0172	0.5	0.04	110.2	0.6	104.4	14.4	-25.4	351.9	110.2	0.6
86	161	1.7	880	0.1399	15.7	0.0174	2.4	0.15	111.1	2.6	133.0	19.6	544.2	341.5	111.1	2.6
88	155	3.7	2032	0.1076	13.3	0.0176	0.9	0.07	112.3	1.0	103.8	13.1	-87.7	325.7	112.3	1.0
30	411	7.4	6454	0.1109	7.1	0.0176	2.3	0.32	112.7	2.5	106.8	7.2	-21.2	163.9	112.7	2.5
17	221	3.8	4180	0.1170	8.3	0.0188	1.9	0.22	119.8	2.2	112.4	8.9	-41.5	197.5	119.8	2.2
93	370	3.7	6746	0.1313	3.2	0.0194	0.8	0.26	124.2	1.0	125.3	3.7	146.8	71.9	124.2	1.0
78	245	4.7	3248	0.1212	12.4	0.0203	1.5	0.12	129.5	1.9	116.1	13.6	-150.5	307.3	129.5	1.9
91	252	2.7	4422	0.1289	9.3	0.0204	1.0	0.10	130.4	1.2	123.1	10.8	-15.9	223.4	130.4	1.2
85	755	3.1	9354	0.1644	4.0	0.0240	1.5	0.37	153.1	2.2	154.5	5.7	176.8	86.0	153.1	2.2
22	84	2.8	2016	0.1419	28.2	0.0243	1.7	0.06	154.7	2.5	134.7	35.6	-205.1	718.5	154.7	2.5
36	124	2.6	1996	0.1778	14.7	0.0245	7.7	0.53	155.9	11.9	166.2	22.6	314.7	286.3	155.9	11.9
43	603	14.4	8772	0.1656	2.3	0.0248	1.3	0.58	158.1	2.1	155.6	3.4	117.6	44.8	158.1	2.1
63	211	2.3	3178	0.1578	11.2	0.0249	0.7	0.06	158.2	1.1	148.8	15.5	0.3	270.4	158.2	1.1
51	71	2.6	1462	0.1606	23.6	0.0249	2.4	0.10	158.6	3.8	151.2	33.1	36.8	568.0	158.6	3.8
38	165	2.8	3550	0.1536	13.0	0.0251	1.6	0.12	159.8	2.5	145.1	17.6	-89.1	317.7	159.8	2.5
87	85	1.9	2108	0.1449	16.5	0.0251	1.6	0.09	160.1	2.5	137.4	21.2	-239.8	417.0	160.1	2.5
73	130	2.6	2326	0.1596	12.9	0.0252	0.6	0.05	160.7	1.0	150.3	18.1	-10.2	313.4	160.7	1.0
2	142	4.0	2840	0.1689	14.4	0.0254	0.9	0.06	161.7	1.4	158.5	21.1	111.5	340.4	161.7	1.4
74	58	3.0	1110	0.2007	15.5	0.0254	2.3	0.15	161.7	3.7	185.8	26.3	504.1	339.4	161.7	3.7
84	82	5.2	1728	0.1517	14.5	0.0255	1.1	0.08	162.2	1.8	143.4	19.4	-157.5	360.0	162.2	1.8
42	60	3.9	1668	0.1745	14.8	0.0255	1.8	0.12	162.4	2.8	163.3	22.4	175.6	345.0	162.4	2.8
6	157	1.6	2322	0.1679	10.1	0.0255	0.8	0.08	162.5	1.3	157.6	14.8	83.7	240.6	162.5	1.3
92	120	3.3	1650	0.1639	12.9	0.0256	1.3	0.10	162.8	2.1	154.1	18.5	21.6	309.4	162.8	2.1
46	113	2.3	1988	0.1534	27.9	0.0258	0.9	0.03	164.1	1.4	144.9	37.7	-159.1	704.2	164.1	1.4
14	279	5.5	6048	0.1854	4.8	0.0260	0.6	0.12	165.2	0.9	172.7	7.7	276.4	109.8	165.2	0.9
65	56	2.7	1314	0.1385	23.9	0.0260	2.4	0.10	165.3	4.0	131.7	29.5	-439.7	631.7	165.3	4.0
45	61	3.9	1482	0.1348	32.6	0.0261	1.3	0.04	166.1	2.1	128.4	39.3	-523.2	890.4	166.1	2.1
37	3309	2.6	39832	0.1877	1.9	0.0263	1.4	0.71	167.5	2.3	174.6	3.1	272.9	31.5	167.5	2.3
56	157	2.8	5402	0.1761	7.7	0.0265	2.6	0.33	168.7	4.3	164.7	11.7	107.5	171.6	168.7	4.3
55	86	4.4	1842	0.1408	31.1	0.0266	1.2	0.04	169.1	2.0	133.8	38.9	-456.2	835.1	169.1	2.0
47	411	1.5	6666	0.1801	4.5	0.0266	1.8	0.40	169.2	3.0	168.1	6.9	153.6	96.2	169.2	3.0
79	340	1.6	3962	0.1811	10.7	0.0268	1.4	0.13	170.5	2.3	169.0	16.7	147.7	249.6	170.5	2.3

89	57	2.3	1126	0.1636	33.6	0.0269	1.9	0.06	170.9	3.3	153.9	48.0	-101.9	845.5	170.9	3.3
41	95	4.9	3070	0.1643	19.7	0.0270	1.7	0.09	171.8	2.9	154.4	28.2	-103.6	486.3	171.8	2.9
58	36	4.1	1302	0.1244	43.5	0.0271	2.2	0.05	172.3	3.7	119.0	48.9	-848.8	1295.4	172.3	3.7
75	277	3.9	8354	0.1834	5.4	0.0274	0.9	0.17	174.2	1.6	171.0	8.5	126.5	126.1	174.2	1.6
1	111	2.8	2650	0.1760	11.9	0.0275	1.5	0.12	174.7	2.5	164.6	18.1	21.6	285.1	174.7	2.5
33	230	3.1	4820	0.1837	4.2	0.0276	0.5	0.12	175.4	0.9	171.2	6.6	113.9	98.6	175.4	0.9
96	40	2.4	1354	0.1485	31.8	0.0276	3.2	0.10	175.6	5.6	140.6	41.7	-416.5	844.0	175.6	5.6
3	102	3.2	1134	0.2110	12.5	0.0278	1.1	0.09	176.7	1.9	194.4	22.1	414.7	278.9	176.7	1.9
71	191	2.0	4664	0.1987	9.3	0.0279	0.9	0.10	177.6	1.6	184.0	15.7	267.5	213.4	177.6	1.6
20	94	3.9	3052	0.1970	13.7	0.0279	2.6	0.19	177.6	4.5	182.5	23.0	246.5	312.1	177.6	4.5
80	194	3.6	6104	0.1802	6.1	0.0280	1.1	0.19	177.7	2.0	168.2	9.4	36.6	143.2	177.7	2.0
72	345	3.2	5522	0.1901	4.4	0.0280	0.5	0.11	177.9	0.9	176.7	7.2	160.7	103.2	177.9	0.9
95	563	1.8	11550	0.1866	2.9	0.0280	1.0	0.33	177.9	1.7	173.7	4.6	117.1	64.9	177.9	1.7
90	215	2.5	5030	0.1961	7.2	0.0286	1.5	0.20	181.6	2.6	181.8	12.0	184.4	164.2	181.6	2.6
16	479	5.2	10814	0.2059	2.8	0.0287	1.0	0.34	182.5	1.7	190.1	4.8	285.6	59.9	182.5	1.7
52	491	3.1	9804	0.1981	3.9	0.0288	0.5	0.13	183.2	0.9	183.6	6.5	187.6	89.6	183.2	0.9
21	79	2.6	1828	0.1999	24.5	0.0290	3.7	0.15	184.4	6.7	185.1	41.4	193.4	569.3	184.4	6.7
68	225	2.6	2012	0.2192	8.9	0.0291	1.9	0.21	184.7	3.5	201.3	16.2	399.7	195.0	184.7	3.5
40	163	3.1	5092	0.1943	9.3	0.0294	0.5	0.05	186.6	0.9	180.3	15.3	98.4	219.2	186.6	0.9
35	99	3.5	2040	0.2409	16.0	0.0298	1.6	0.10	189.0	3.0	219.2	31.5	556.6	348.8	189.0	3.0
7	567	2.0	9484	0.2017	6.5	0.0306	1.4	0.22	194.2	2.7	186.6	11.1	91.5	150.3	194.2	2.7
48	133	3.0	3760	0.2116	9.8	0.0309	2.9	0.29	196.3	5.5	194.9	17.4	177.4	218.6	196.3	5.5
9	308	3.5	10108	0.2190	4.6	0.0311	0.7	0.15	197.4	1.3	201.1	8.5	244.1	105.7	197.4	1.3
26	206	2.9	6818	0.2282	5.6	0.0315	0.8	0.15	200.1	1.7	208.7	10.5	307.3	125.3	200.1	1.7
8	244	2.1	4604	0.2137	4.2	0.0318	0.6	0.13	201.5	1.1	196.7	7.4	138.9	96.7	201.5	1.1
82	198	2.7	5228	0.2317	6.0	0.0335	1.7	0.28	212.6	3.5	211.6	11.4	200.9	133.4	212.6	3.5
97	535	2.8	8642	0.2248	4.8	0.0336	2.3	0.48	212.9	4.9	205.9	9.0	127.1	99.4	212.9	4.9
83	80	1.5	1820	0.2199	11.8	0.0348	2.8	0.24	220.5	6.0	201.8	21.5	-10.9	276.9	220.5	6.0

08AnMS-05: Turnagain Arm (6V, 355100, 6766182)

65	329	2.8	3160	0.0860	5.0	0.0136	2.9	0.58	86.8	2.5	83.8	4.1	-1.7	99.0	86.8	2.5
15	90	5.9	1554	0.0600	58.9	0.0138	3.6	0.06	88.4	3.1	59.2	33.9	-1011.0	1887.6	88.4	3.1
17	121	2.2	1378	0.0912	21.5	0.0141	2.9	0.14	90.1	2.6	88.6	18.2	49.7	512.8	90.1	2.6
60	169	3.3	1432	0.0816	21.7	0.0142	2.1	0.09	90.8	1.8	79.7	16.7	-243.5	552.0	90.8	1.8
66	279	2.9	4096	0.0885	8.6	0.0145	1.8	0.21	93.1	1.7	86.1	7.1	-103.2	207.0	93.1	1.7
73	94	3.7	2998	0.0690	37.1	0.0146	3.5	0.09	93.4	3.2	67.7	24.3	-766.8	1070.0	93.4	3.2
85	190	2.1	3096	0.0940	6.3	0.0147	3.4	0.54	94.2	3.2	91.2	5.5	13.1	127.9	94.2	3.2
64	272	3.0	2402	0.0900	8.5	0.0148	2.4	0.28	94.4	2.3	87.5	7.1	-98.1	199.7	94.4	2.3
75	94	2.5	1428	0.1026	25.4	0.0148	2.8	0.11	94.6	2.7	99.2	24.0	210.9	594.5	94.6	2.7
3	280	2.0	3880	0.1005	6.6	0.0148	1.0	0.16	94.7	1.0	97.3	6.1	160.3	152.4	94.7	1.0
48	369	2.6	5088	0.0945	5.9	0.0148	1.3	0.23	94.8	1.3	91.7	5.2	11.5	139.4	94.8	1.3
4	74	3.0	1192	0.0931	20.1	0.0148	1.8	0.09	94.9	1.7	90.4	17.4	-29.0	490.2	94.9	1.7
69	106	3.9	1822	0.0810	19.0	0.0148	2.8	0.15	95.0	2.6	79.1	14.5	-379.5	491.7	95.0	2.6
70	452	2.0	6970	0.0993	6.0	0.0150	2.0	0.33	96.0	1.9	96.2	5.5	101.5	132.9	96.0	1.9
8	143	2.3	2214	0.1016	15.3	0.0151	4.5	0.29	96.3	4.3	98.3	14.4	146.2	345.4	96.3	4.3
63	238	3.1	4012	0.0953	12.8	0.0151	1.0	0.07	96.3	0.9	92.4	11.3	-7.7	308.0	96.3	0.9
68	146	4.3	2470	0.0920	13.9	0.0151	1.7	0.12	96.4	1.7	89.4	11.9	-94.2	341.1	96.4	1.7
92	303	2.6	7822	0.0934	7.2	0.0151	1.5	0.20	96.5	1.4	90.7	6.3	-60.5	172.8	96.5	1.4
35	203	1.8	3512	0.0916	11.4	0.0151	0.9	0.08	96.8	0.8	89.0	9.8	-115.5	282.1	96.8	0.8
6	281	1.6	3034	0.0964	6.2	0.0151	0.9	0.14	96.9	0.8	93.5	5.6	7.6	148.7	96.9	0.8
26	147	1.6	1310	0.0918	24.5	0.0152	1.2	0.05	97.0	1.2	89.1	20.9	-116.2	610.3	97.0	1.2
37	126	2.5	1626	0.0898	24.2	0.0152	0.8	0.03	97.3	0.7	87.3	20.2	-177.5	610.1	97.3	0.7
97	117	3.5	4700	0.0806	26.5	0.0153	6.7	0.25	97.7	6.5	78.7	20.1	-463.8	686.4	97.7	6.5
43	264	2.2	3610	0.1019	8.8	0.0153	1.3	0.15	97.7	1.3	98.5	8.3	119.4	205.2	97.7	1.3
74	244	2.7	2490	0.0982	14.5	0.0153	1.8	0.12	97.8	1.7	95.1	13.2	30.1	347.3	97.8	1.7
57	330	1.7	4256	0.0981	8.0	0.0153	1.9	0.24	97.8	1.8	95.0	7.2	26.7	185.9	97.8	1.7
42	285	2.3	3686	0.0972	9.7	0.0153	0.5	0.05	98.1	0.5	94.2	8.7	-5.0	233.9	98.1	0.5
38	293	2.1	2716	0.1028	7.5	0.0154	0.8	0.10	98.3	0.8	99.3	7.1	123.4	176.5	98.3	0.8
5	165	2.2	1876	0.0893	13.9	0.0154	2.4	0.17	98.3	2.3	86.9	11.6	-218.1	346.1	98.3	2.3
18	320	1.5	3332	0.0988	4.8	0.0154	0.9	0.18	98.4	0.8	95.7	4.4	27.7	112.7	98.4	0.8
55	139	4.1	2284	0.0940	8.3	0.0154	1.9	0.23	98.4	1.9	91.2	7.2	-92.7	198.2	98.4	1.9
29	341	1.5	3884	0.0975	4.6	0.0154	0.8	0.17	98.4	0.8	94.5	4.2	-4.7	109.4	98.4	0.8
91	64	2.9	2384	0.0698	66.4	0.0154	3.6	0.05	98.4	3.5	68.5	44.0	-885.4	2131.0	98.4	3.5
81	187	1.6	3554	0.0952	10.4	0.0154	0.7	0.06	98.5	0.6	92.3	9.2	-65.9	253.5	98.5	0.6

88	210	2.6	5294	0.0960	10.3	0.0154	1.5	0.14	98.6	1.5	93.0	9.2	-46.5	248.8	98.6	1.5
78	131	1.7	2762	0.1129	17.1	0.0154	0.7	0.04	98.6	0.7	108.6	17.6	333.5	389.1	98.6	0.7
86	71	2.8	1624	0.0855	32.6	0.0155	3.0	0.09	99.0	2.9	83.3	26.1	-347.0	856.5	99.0	2.9
52	203	2.5	3882	0.0952	8.8	0.0155	2.3	0.26	99.4	2.2	92.3	7.7	-87.3	207.9	99.4	2.2
20	170	2.6	2478	0.0994	11.3	0.0156	1.3	0.11	99.6	1.3	96.2	10.3	14.2	269.7	99.6	1.3
87	147	3.2	2506	0.1054	11.2	0.0156	1.8	0.16	100.0	1.8	101.8	10.8	143.6	259.0	100.0	1.8
36	134	4.7	1824	0.1029	15.0	0.0156	1.3	0.09	100.1	1.3	99.4	14.2	83.3	357.3	100.1	1.3
83	266	2.4	5596	0.1075	14.6	0.0157	1.3	0.09	100.7	1.3	103.7	14.3	172.7	339.9	100.7	1.3
14	107	3.9	1856	0.1094	17.9	0.0159	1.4	0.08	101.4	1.4	105.5	17.9	197.5	417.6	101.4	1.4
84	147	3.1	2698	0.0995	17.9	0.0160	3.8	0.21	102.4	3.8	96.3	16.4	-52.0	428.3	102.4	3.8
56	133	2.3	3364	0.1105	13.7	0.0162	2.6	0.19	103.6	2.6	106.4	13.9	169.8	316.2	103.6	2.6
98	115	1.6	2722	0.0968	17.5	0.0162	2.0	0.11	103.7	2.0	93.8	15.6	-152.4	433.3	103.7	2.0
27	139	3.1	2368	0.0966	22.9	0.0163	0.8	0.03	104.1	0.8	93.7	20.5	-163.9	574.9	104.1	0.8
94	73	2.5	688	0.1550	21.1	0.0163	2.1	0.10	104.4	2.2	146.3	28.7	894.3	437.8	104.4	2.2
90	139	2.6	2414	0.1175	12.9	0.0174	0.6	0.04	111.1	0.6	112.8	13.8	147.7	303.4	111.1	0.6
96	104	1.8	2974	0.1027	38.0	0.0176	1.6	0.04	112.4	1.7	99.3	36.0	-205.1	984.1	112.4	1.7
32	34	2.2	954	0.1243	61.6	0.0237	4.5	0.07	151.3	6.7	119.0	69.3	-487.5	1787.7	151.3	6.7
12	419	1.1	10468	0.1640	3.6	0.0239	0.7	0.19	152.5	1.0	154.2	5.2	180.2	82.9	152.5	1.0
22	68	2.9	1940	0.1502	20.7	0.0242	2.2	0.11	154.4	3.3	142.1	27.4	-58.3	505.0	154.4	3.3
53	96	2.5	2964	0.1534	14.5	0.0244	3.7	0.25	155.3	5.6	144.9	19.5	-21.7	339.9	155.3	5.6
49	155	3.9	3244	0.1606	9.4	0.0252	2.1	0.22	160.6	3.3	151.2	13.3	6.1	222.0	160.6	3.3
82	124	3.5	2184	0.1561	15.6	0.0253	0.8	0.05	161.1	1.3	147.3	21.4	-69.9	382.5	161.1	1.3
59	70	2.2	1804	0.1740	22.3	0.0255	1.0	0.05	162.2	1.7	162.9	33.5	172.4	525.2	162.2	1.7
54	50	3.0	1506	0.1212	69.4	0.0256	2.5	0.04	162.8	3.9	116.1	76.3	-760.5	2202.2	162.8	3.9
100	72	2.7	1976	0.1367	30.8	0.0256	2.2	0.07	163.2	3.5	130.1	37.6	-438.1	823.6	163.2	3.5
11	240	3.3	6296	0.1664	5.7	0.0257	1.7	0.30	163.6	2.8	156.3	8.3	47.9	129.9	163.6	2.8
2	126	2.1	3072	0.1593	11.7	0.0258	3.7	0.32	164.4	6.0	150.1	16.3	-70.8	270.7	164.4	6.0
76	158	1.7	4264	0.1680	6.3	0.0259	0.5	0.08	164.8	0.8	157.7	9.2	51.9	150.6	164.8	0.8
58	673	2.8	13198	0.1759	3.6	0.0259	1.4	0.37	165.0	2.2	164.6	5.5	158.2	79.0	165.0	2.2
89	77	2.1	2656	0.1628	16.1	0.0260	1.9	0.11	165.3	3.0	153.2	22.9	-31.4	390.4	165.3	3.0
24	100	1.8	2484	0.1616	10.5	0.0260	1.2	0.11	165.7	1.9	152.1	14.8	-55.3	253.9	165.7	1.9
67	616	2.0	9158	0.1741	3.5	0.0263	1.7	0.49	167.2	2.8	163.0	5.2	103.2	71.6	167.2	2.8
19	147	2.9	3506	0.1612	13.1	0.0264	0.5	0.04	167.8	0.8	151.8	18.5	-90.9	323.1	167.8	0.8
30	265	2.3	6506	0.1763	8.7	0.0264	0.8	0.09	168.1	1.3	164.9	13.3	119.0	205.3	168.1	1.3
51	166	2.5	3838	0.1787	9.5	0.0264	1.4	0.15	168.2	2.4	167.0	14.6	149.6	220.3	168.2	2.4
1	556	2.9	11122	0.1803	2.5	0.0265	0.9	0.37	168.8	1.5	168.3	3.8	161.6	53.7	168.8	1.5
41	103	2.2	2136	0.1901	12.6	0.0267	1.6	0.13	170.1	2.8	176.7	20.5	266.3	288.0	170.1	2.8
99	317	2.2	8866	0.1847	6.2	0.0271	1.0	0.16	172.4	1.7	172.1	9.8	167.9	143.2	172.4	1.7
80	163	3.7	3612	0.1856	8.7	0.0272	1.6	0.19	172.9	2.8	172.9	13.9	173.1	200.0	172.9	2.8
50	294	2.9	8142	0.1834	6.1	0.0272	1.6	0.25	173.0	2.6	171.0	9.6	143.3	138.1	173.0	2.6
40	76	3.5	2152	0.1660	15.7	0.0276	1.8	0.11	175.7	3.1	155.9	22.7	-135.7	387.4	175.7	3.1
28	206	2.0	5688	0.1882	3.8	0.0279	1.3	0.35	177.6	2.3	175.1	6.1	141.3	83.2	177.6	2.3
95	89	2.0	3128	0.1785	11.3	0.0280	2.4	0.21	177.7	4.2	166.7	17.4	13.4	266.4	177.7	4.2
31	133	3.2	2436	0.1897	15.7	0.0281	0.8	0.05	178.6	1.3	176.3	25.4	146.7	369.4	178.6	1.3
33	136	5.9	2838	0.1695	13.7	0.0281	4.1	0.30	178.8	7.1	159.0	20.2	-127.0	325.1	178.8	7.1
23	141	2.6	3058	0.1769	9.0	0.0283	0.8	0.09	179.6	1.4	165.4	13.8	-33.0	218.9	179.6	1.4
10	956	1.5	18476	0.1960	2.1	0.0288	0.6	0.29	182.8	1.1	181.7	3.5	167.8	47.0	182.8	1.1
45	644	1.9	12306	0.1982	2.5	0.0291	1.8	0.69	185.2	3.2	183.6	4.3	163.6	42.8	185.2	3.2
46	166	1.9	3392	0.1907	7.0	0.0292	1.6	0.22	185.6	2.8	177.2	11.4	66.9	163.3	185.6	2.8
34	229	3.3	4296	0.2075	6.6	0.0297	0.8	0.11	188.7	1.4	191.5	11.6	225.9	152.6	188.7	1.4
9	182	5.2	4286	0.1928	8.2	0.0297	1.5	0.18	188.8	2.7	179.1	13.5	52.4	193.2	188.8	2.7
44	203	4.3	5558	0.1991	7.6	0.0297	3.1	0.41	188.9	5.8	184.3	12.8	126.2	162.7	188.9	5.8
39	160	2.7	3950	0.1940	9.3	0.0304	0.8	0.09	193.0	1.6	180.1	15.3	13.4	222.9	193.0	1.6
79	213	5.4	7382	0.2096	6.2	0.0310	0.8	0.13	196.7	1.5	193.2	10.9	150.9	144.2	196.7	1.5
16	173	2.0	5088	0.2114	8.9	0.0316	3.1	0.35	200.6	6.1	194.7	15.7	124.2	196.2	200.6	6.1
47	158	5.0	5086	0.2349	9.0	0.0320	0.9	0.10	202.9	1.8	214.3	17.4	340.9	203.7	202.9	1.8
71	257	1.9	11340	0.3421	3.3	0.0480	1.2	0.35	302.0	3.4	298.7	8.6	273.0	71.0	302.0	3.4
21	745	4.7	31056	0.4208	1.5	0.0566	0.6	0.40	354.6	2.0	356.6	4.4	369.6	30.5	354.6	2.0
13	231	1.7	37260	2.4632	2.2	0.2156	2.0	0.90	1258.7	22.8	1261.3	16.0	1265.7	19.0	1265.7	19.0
62	399	1.3	45234	2.8517	4.9	0.2289	3.5	0.72	1328.7	42.3	1369.3	37.0	1433.0	65.5	1433.0	65.5
72	306	1.3	14436	2.8901	4.9	0.2020	4.5	0.93	1186.2	49.1	1379.3	36.8	1692.3	33.0	1692.3	33.0

08AnMS-08: Turnagain Arm (6V, 351360, 6769052)

38	41	4.1	1264	0.1153	31.9	0.0240	5.6	0.17	152.9	8.4	110.8	33.5	-723.5	893.7	152.9	8.4
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33	107	4.0	3914	0.1657	11.9	0.0245	2.0	0.16	156.0	3.0	155.7	17.2	151.0	277.0	156.0	3.0
45	41	3.6	1692	0.1683	35.5	0.0245	2.3	0.06	156.1	3.5	157.9	52.0	185.2	849.7	156.1	3.5
23	52	3.6	2086	0.1482	14.2	0.0246	2.4	0.17	156.8	3.8	140.3	18.6	-129.4	346.0	156.8	3.8
31	49	2.9	1448	0.1576	27.5	0.0247	2.1	0.08	157.1	3.3	148.6	38.1	16.3	670.1	157.1	3.3
94	38	3.5	1312	0.1435	23.3	0.0248	2.5	0.11	158.0	3.9	136.1	29.7	-230.4	590.4	158.0	3.9
7	129	2.7	2664	0.1685	12.7	0.0249	1.8	0.14	158.3	2.8	158.1	18.5	155.1	294.6	158.3	2.8
57	48	3.6	2608	0.2037	23.3	0.0249	3.6	0.15	158.5	5.6	188.3	40.0	580.4	505.7	158.5	5.6
43	87	3.2	3658	0.1665	13.8	0.0252	2.1	0.15	160.3	3.3	156.4	20.0	97.2	324.6	160.3	3.3
22	99	2.7	5180	0.1533	11.8	0.0252	1.4	0.12	160.4	2.2	144.8	16.0	-103.8	289.7	160.4	2.2
92	77	4.0	2646	0.1721	18.1	0.0253	1.5	0.08	161.3	2.3	161.3	27.0	160.7	425.3	161.3	2.3
55	141	3.2	4340	0.1599	9.3	0.0253	1.3	0.14	161.4	2.1	150.6	13.0	-14.7	222.0	161.4	2.1
37	86	2.9	3804	0.2010	13.0	0.0254	2.5	0.20	161.4	4.0	186.0	22.0	510.3	280.7	161.4	4.0
41	48	3.4	1546	0.1351	54.9	0.0254	1.7	0.03	161.5	2.7	128.7	66.5	-442.4	1549.6	161.5	2.7
40	223	3.7	6330	0.1686	7.7	0.0254	0.8	0.11	161.7	1.3	158.2	11.2	106.3	179.9	161.7	1.3
74	169	1.9	4078	0.1668	10.2	0.0255	0.8	0.08	162.1	1.3	156.6	14.8	74.8	242.3	162.1	1.3
82	77	2.1	2614	0.1735	17.1	0.0255	1.5	0.09	162.4	2.4	162.4	25.7	163.0	401.2	162.4	2.4
42	464	2.8	11258	0.1755	3.8	0.0256	1.6	0.43	162.9	2.6	164.2	5.7	182.0	79.7	162.9	2.6
96	225	2.2	10672	0.1688	9.3	0.0257	1.1	0.12	163.3	1.8	158.4	13.7	86.5	220.4	163.3	1.8
16	67	3.1	1906	0.1768	23.1	0.0257	2.6	0.11	163.5	4.2	165.3	35.3	191.6	540.9	163.5	4.2
61	53	2.2	2714	0.1584	51.6	0.0257	2.0	0.04	163.5	3.1	149.3	71.7	-71.3	1341.4	163.5	3.1
68	105	3.5	2892	0.1540	13.7	0.0257	0.8	0.06	163.8	1.3	145.4	18.6	-144.6	340.1	163.8	1.3
46	138	3.7	4766	0.1712	11.3	0.0257	1.0	0.09	163.8	1.6	160.4	16.7	111.1	265.5	163.8	1.6
30	99	2.2	2750	0.1530	14.5	0.0257	2.0	0.14	163.9	3.2	144.6	19.6	-161.3	358.8	163.9	3.2
51	117	1.6	3948	0.1773	12.7	0.0258	1.3	0.10	164.1	2.0	165.7	19.5	188.8	295.5	164.1	2.0
36	130	2.8	7336	0.1643	10.2	0.0258	0.9	0.08	164.4	1.4	154.4	14.6	3.8	244.6	164.4	1.4
93	55	2.4	1998	0.1581	15.7	0.0259	2.0	0.13	165.0	3.2	149.1	21.7	-97.6	384.0	165.0	3.2
14	164	2.7	9320	0.1756	8.7	0.0260	0.8	0.09	165.3	1.3	164.3	13.2	149.7	203.7	165.3	1.3
83	55	2.8	4188	0.1744	30.8	0.0261	1.6	0.05	165.9	2.7	163.3	46.4	125.7	738.4	165.9	2.7
100	92	3.3	3634	0.1811	15.4	0.0261	2.7	0.17	165.9	4.4	169.0	24.0	212.7	353.7	165.9	4.4
49	126	2.3	4382	0.1705	9.6	0.0261	0.9	0.09	165.9	1.5	159.9	14.1	71.2	226.9	165.9	1.5
13	140	2.5	4428	0.1662	23.9	0.0261	1.4	0.06	166.0	2.3	156.2	34.6	9.2	581.8	166.0	2.3
75	287	2.1	9810	0.1718	3.5	0.0261	1.5	0.44	166.1	2.5	161.0	5.2	86.3	73.9	166.1	2.5
98	97	3.1	2868	0.1634	8.7	0.0261	1.7	0.20	166.4	2.8	153.6	12.3	-38.3	206.4	166.4	2.8
39	214	1.6	6164	0.1791	3.7	0.0262	1.6	0.44	166.7	2.6	167.3	5.7	175.7	77.2	166.7	2.6
91	75	3.1	3042	0.1870	22.3	0.0262	2.6	0.11	166.8	4.2	174.1	35.6	275.2	512.0	166.8	4.2
63	136	3.3	5190	0.1583	12.1	0.0262	0.9	0.07	166.8	1.4	149.2	16.9	-121.0	299.7	166.8	1.4
78	73	1.7	3456	0.1868	24.1	0.0262	1.6	0.07	166.8	2.7	173.9	38.5	271.7	558.4	166.8	2.7
99	242	2.1	6720	0.1719	6.9	0.0262	1.3	0.18	166.8	2.1	161.1	10.2	77.8	160.7	166.8	2.1
48	158	3.6	2716	0.1683	6.6	0.0262	1.5	0.23	167.0	2.5	157.9	9.7	24.2	154.3	167.0	2.5
15	427	1.3	16722	0.1770	2.8	0.0263	0.5	0.18	167.3	0.8	165.5	4.3	139.3	64.4	167.3	0.8
17	111	2.4	3470	0.1771	11.8	0.0263	2.9	0.24	167.3	4.7	165.6	18.0	140.9	268.6	167.3	4.7
3	96	3.4	3234	0.1467	19.3	0.0263	1.4	0.07	167.4	2.4	139.0	25.1	-322.9	498.0	167.4	2.4
86	132	3.6	3796	0.1812	11.1	0.0263	0.6	0.06	167.5	1.0	169.1	17.4	191.8	259.6	167.5	1.0
54	139	2.2	4758	0.1726	11.0	0.0263	0.9	0.08	167.5	1.4	161.7	16.4	76.9	261.1	167.5	1.4
20	292	2.0	9236	0.1771	3.3	0.0263	1.5	0.46	167.6	2.5	165.5	5.1	136.6	69.4	167.6	2.5
10	103	2.5	1166	0.1817	11.2	0.0263	2.1	0.19	167.6	3.5	169.5	17.4	196.2	255.0	167.6	3.5
64	452	3.7	16844	0.1789	3.8	0.0264	1.3	0.35	167.8	2.2	167.1	5.9	157.3	84.6	167.8	2.2
44	124	2.3	2914	0.1753	12.7	0.0264	1.7	0.13	167.8	2.8	164.0	19.3	109.6	299.3	167.8	2.8
18	65	3.1	1714	0.2035	23.0	0.0264	2.7	0.12	168.0	4.4	188.1	39.5	448.7	513.9	168.0	4.4
34	162	2.9	5164	0.1864	8.1	0.0264	1.3	0.17	168.1	2.2	173.5	12.9	248.7	183.6	168.1	2.2
28	270	2.7	7048	0.1769	4.8	0.0264	0.8	0.17	168.1	1.3	165.4	7.3	126.2	111.5	168.1	1.3
9	179	3.2	5434	0.1731	7.7	0.0264	0.8	0.10	168.1	1.3	162.1	11.6	75.2	182.9	168.1	1.3
88	58	2.1	3330	0.1420	26.0	0.0264	2.5	0.10	168.3	4.2	134.8	32.9	-421.1	688.3	168.3	4.2
35	617	2.6	16440	0.1762	4.1	0.0265	3.4	0.81	168.5	5.6	164.8	6.3	111.8	57.0	168.5	5.6
89	66	2.8	5258	0.1668	27.4	0.0266	1.4	0.05	169.2	2.3	156.6	39.8	-28.8	673.7	169.2	2.3
29	125	4.2	26006	0.1929	14.0	0.0267	2.2	0.16	169.8	3.7	179.1	23.0	304.5	316.7	169.8	3.7
53	118	3.0	3784	0.1742	18.4	0.0267	2.1	0.11	169.9	3.5	163.1	27.7	65.4	438.1	169.9	3.5
27	121	4.1	4974	0.1902	7.7	0.0267	1.6	0.21	169.9	2.7	176.8	12.6	269.8	174.1	169.9	2.7
67	63	1.7	2622	0.1892	14.9	0.0268	0.7	0.05	170.6	1.2	175.9	24.1	247.6	344.6	170.6	1.2
79	72	2.4	2636	0.1687	21.6	0.0268	1.3	0.06	170.7	2.2	158.3	31.7	-24.1	527.3	170.7	2.2
56	338	4.0	8426	0.1816	2.4	0.0269	1.1	0.46	170.8	1.8	169.4	3.7	150.1	49.9	170.8	1.8
21	53	3.5	2770	0.1907	18.5	0.0269	2.1	0.11	170.9	3.5	177.3	30.2	262.4	426.3	170.9	3.5
66	114	2.2	2966	0.1680	17.5	0.0269	2.7	0.15	171.2	4.5	157.7	25.6	-40.3	423.7	171.2	4.5
59	63	3.6	2948	0.1462	23.5	0.0270	3.3	0.14	171.5	5.6	138.6	30.5	-393.7	614.0	171.5	5.6

65	241	4.5	5922	0.1948	7.2	0.0270	0.6	0.08	171.6	1.0	180.7	11.9	301.9	164.2	171.6	1.0
95	217	6.0	5182	0.1762	5.3	0.0270	1.1	0.22	171.7	1.9	164.8	8.0	66.0	122.1	171.7	1.9
85	154	2.3	6140	0.1749	6.4	0.0270	0.7	0.10	171.9	1.1	163.6	9.6	45.9	151.5	171.9	1.1
11	192	2.2	5514	0.1748	9.5	0.0270	1.0	0.11	171.9	1.7	163.5	14.4	44.3	226.8	171.9	1.7
72	64	3.0	2156	0.1663	11.4	0.0271	3.7	0.32	172.1	6.3	156.2	16.5	-79.7	263.9	172.1	6.3
8	161	3.0	4662	0.1725	10.9	0.0271	2.7	0.25	172.6	4.6	161.6	16.3	3.1	255.0	172.6	4.6
5	91	2.8	2836	0.1896	7.1	0.0271	1.4	0.20	172.7	2.5	176.3	11.5	224.6	161.3	172.7	2.5
77	44	3.5	2120	0.1861	17.3	0.0273	0.8	0.04	173.5	1.3	173.3	27.6	170.5	406.5	173.5	1.3
2	183	2.2	5804	0.1848	8.1	0.0273	0.9	0.12	173.6	1.6	172.2	12.8	152.9	187.7	173.6	1.6
76	87	3.1	4550	0.1841	11.1	0.0273	1.4	0.13	173.7	2.4	171.6	17.5	143.0	258.2	173.7	2.4
58	126	1.7	4044	0.1705	11.3	0.0274	1.9	0.17	174.1	3.2	159.9	16.7	-46.6	270.6	174.1	3.2
4	320	3.0	10170	0.1842	4.1	0.0274	1.3	0.32	174.2	2.2	171.7	6.4	137.2	90.8	174.2	2.2
26	59	5.6	2450	0.1332	31.0	0.0274	1.9	0.06	174.3	3.3	127.0	37.0	-689.5	873.0	174.3	3.3
1	96	2.9	3852	0.1891	15.1	0.0275	0.9	0.06	174.6	1.5	175.9	24.4	192.8	352.9	174.6	1.5
69	102	3.5	3286	0.1706	10.6	0.0275	0.5	0.05	175.2	0.9	159.9	15.6	-59.9	258.1	175.2	0.9
71	269	2.3	8122	0.1863	4.9	0.0276	0.8	0.17	175.2	1.5	173.5	7.9	149.9	114.2	175.2	1.5
80	380	2.8	16878	0.1830	3.9	0.0277	1.0	0.25	176.1	1.7	170.6	6.2	96.2	90.0	176.1	1.7
47	112	2.4	2740	0.1802	22.7	0.0278	1.7	0.07	176.6	2.9	168.3	35.2	53.1	545.5	176.6	2.9
90	116	2.6	4476	0.1706	10.7	0.0278	0.9	0.09	176.6	1.6	159.9	15.9	-80.4	262.5	176.6	1.6
50	241	3.5	5954	0.1842	5.4	0.0279	0.6	0.10	177.4	1.0	171.7	8.6	93.6	128.2	177.4	1.0
97	52	4.1	3042	0.1816	36.6	0.0280	0.6	0.02	177.9	1.0	169.5	57.2	53.7	899.4	177.9	1.0
24	288	2.9	18480	0.1882	4.3	0.0282	0.8	0.19	179.3	1.4	175.1	7.0	117.9	100.4	179.3	1.4
6	161	3.0	6554	0.1912	8.6	0.0286	1.1	0.13	181.7	2.0	177.7	13.9	125.0	200.1	181.7	2.0
52	101	3.7	4364	0.1978	10.6	0.0304	1.0	0.09	192.9	1.9	183.3	17.7	61.8	251.2	192.9	1.9
73	550	1.2	16598	0.2128	2.2	0.0310	1.2	0.56	196.7	2.4	195.9	3.9	186.5	42.6	196.7	2.4
25	285	3.0	10256	0.2238	4.4	0.0313	1.1	0.25	198.7	2.2	205.0	8.2	278.1	98.6	198.7	2.2
19	250	3.3	8714	0.2178	4.8	0.0313	1.2	0.26	198.9	2.4	200.1	8.6	214.6	106.5	198.9	2.4
81	126	3.7	7988	0.2205	8.6	0.0330	1.5	0.17	209.1	3.0	202.4	15.8	124.3	199.9	209.1	3.0
12	182	2.2	8878	0.2250	5.5	0.0339	1.6	0.29	214.7	3.4	206.0	10.3	107.8	125.3	214.7	3.4
62	121	3.8	6038	0.2408	12.6	0.0353	2.5	0.20	223.7	5.5	219.1	24.9	169.8	290.1	223.7	5.5
87	206	3.1	9702	0.2423	5.1	0.0354	1.7	0.33	224.0	3.7	220.3	10.2	181.3	113.3	224.0	3.7
84	216	3.0	10430	0.2426	4.4	0.0355	0.6	0.13	225.0	1.3	220.5	8.8	172.6	102.9	225.0	1.3
60	458	1.7	33158	0.3191	2.1	0.0448	1.1	0.51	282.4	2.9	281.2	5.1	270.6	40.8	282.4	2.9
32	117	1.9	18328	0.7313	3.4	0.0904	1.3	0.40	558.0	7.1	557.3	14.4	554.7	67.1	558.0	7.1

08AnMS-09: Turnagain Arm (6V, 350296, 6769863)

67	30	3.7	1178	0.1414	42.0	0.0226	7.6	0.18	144.1	10.8	134.3	52.9	-36.4	1042.4	144.1	10.8
94	85	3.5	1132	0.1195	24.9	0.0228	2.4	0.10	145.3	3.5	114.6	27.0	-484.6	665.5	145.3	3.5
62	52	3.3	588	0.1054	34.5	0.0228	5.2	0.15	145.5	7.5	101.7	33.4	-833.0	996.4	145.5	7.5
34	30	3.2	1402	0.1144	72.5	0.0228	5.9	0.08	145.6	8.4	110.0	75.7	-607.4	2262.5	145.6	8.4
93	122	2.1	876	0.1427	10.7	0.0232	2.7	0.25	147.9	4.0	135.5	13.6	-78.1	253.9	147.9	4.0
6	144	2.3	956	0.1368	14.1	0.0233	1.4	0.10	148.2	2.0	130.2	17.2	-188.1	351.1	148.2	2.0
32	119	2.2	746	0.1412	12.1	0.0234	1.7	0.14	148.9	2.6	134.1	15.1	-121.1	295.3	148.9	2.6
74	56	3.7	790	0.1363	43.7	0.0234	1.6	0.04	149.2	2.3	129.8	53.3	-212.1	1145.2	149.2	2.3
96	51	2.9	1128	0.1257	44.5	0.0235	1.8	0.04	149.7	2.7	120.2	50.5	-429.3	1219.2	149.7	2.7
83	232	2.6	3210	0.1525	5.2	0.0236	2.0	0.39	150.2	3.0	144.1	6.9	45.9	113.9	150.2	3.0
80	224	3.2	1390	0.1521	7.0	0.0237	0.6	0.08	150.9	0.8	143.7	9.3	26.6	166.9	150.9	0.8
95	157	3.2	1274	0.1404	13.6	0.0237	2.5	0.19	151.3	3.8	133.4	17.0	-175.6	334.0	151.3	3.8
56	59	2.7	1456	0.1377	32.0	0.0238	3.0	0.09	151.7	4.6	131.0	39.3	-231.1	820.8	151.7	4.6
9	134	3.3	538	0.1381	16.2	0.0239	1.6	0.10	152.3	2.4	131.3	19.9	-233.0	407.9	152.3	2.4
40	486	1.8	6162	0.1583	5.3	0.0239	2.4	0.45	152.3	3.6	149.2	7.4	99.5	112.3	152.3	3.6
45	58	1.6	1580	0.1176	30.4	0.0239	4.5	0.15	152.4	6.7	112.9	32.5	-656.6	842.6	152.4	6.7
47	159	2.2	1094	0.1412	14.7	0.0240	2.1	0.15	152.6	3.2	134.1	18.5	-182.2	364.9	152.6	3.2
39	190	2.5	5822	0.1617	14.4	0.0240	2.0	0.14	152.6	3.1	152.2	20.4	145.8	336.2	152.6	3.1
75	32	3.4	790	0.1090	44.8	0.0240	3.7	0.08	152.8	5.6	105.1	44.8	-878.7	1345.3	152.8	5.6
4	66	3.1	1660	0.1811	14.8	0.0240	1.2	0.08	153.0	1.8	169.0	23.0	399.2	332.2	153.0	1.8
35	114	2.5	2166	0.1789	16.8	0.0241	1.8	0.11	153.6	2.7	167.1	26.0	363.3	380.0	153.6	2.7
81	72	3.1	1624	0.1188	52.5	0.0242	1.1	0.02	154.1	1.7	114.0	56.7	-659.0	1536.9	154.1	1.7
69	77	3.4	860	0.1453	25.5	0.0242	3.9	0.15	154.2	5.9	137.8	32.8	-137.0	631.1	154.2	5.9
22	68	4.1	2344	0.1234	32.6	0.0242	1.8	0.05	154.4	2.7	118.1	36.4	-563.2	897.5	154.4	2.7
77	74	2.9	642	0.0997	44.2	0.0243	5.7	0.13	154.9	8.8	96.5	40.7	-1185.7	1407.5	154.9	8.8
66	88	2.7	1512	0.1608	23.4	0.0244	2.0	0.09	155.5	3.1	151.4	32.9	87.2	559.6	155.5	3.1
79	159	2.6	5200	0.1511	12.2	0.0244	2.1	0.17	155.7	3.2	142.9	16.2	-64.9	292.9	155.7	3.2
18	150	4.3	3698	0.1671	12.3	0.0245	3.3	0.27	155.8	5.1	156.9	17.9	172.6	277.2	155.8	5.1

98	144	3.3	2672	0.1503	11.9	0.0245	1.4	0.11	156.3	2.1	142.2	15.8	-86.2	291.0	156.3	2.1
31	89	3.7	1846	0.1388	21.4	0.0245	2.0	0.09	156.3	3.1	132.0	26.5	-285.5	548.8	156.3	3.1
8	59	4.1	1618	0.1791	41.9	0.0245	3.6	0.09	156.3	5.5	167.3	64.7	324.9	988.2	156.3	5.5
51	211	2.3	2536	0.1572	14.4	0.0246	0.8	0.06	156.6	1.3	148.3	19.8	18.0	346.3	156.6	1.3
48	88	1.7	1334	0.1278	29.8	0.0246	0.9	0.03	156.6	1.4	122.1	34.3	-506.9	809.5	156.6	1.4
26	38	2.9	646	0.1130	34.8	0.0246	1.8	0.05	156.6	2.8	108.7	35.9	-846.9	1021.7	156.6	2.8
87	100	2.5	1504	0.1680	11.1	0.0246	1.3	0.12	156.6	2.0	157.6	16.3	173.4	258.6	156.6	2.0
19	39	3.9	1066	0.1369	20.5	0.0246	2.6	0.12	156.7	4.0	130.3	25.1	-327.4	527.0	156.7	4.0
91	170	3.1	3060	0.1578	6.5	0.0246	2.9	0.45	156.9	4.5	148.8	8.9	21.0	138.5	156.9	4.5
11	52	1.8	466	0.1128	35.1	0.0247	2.2	0.06	157.1	3.4	108.5	36.1	-861.9	1031.4	157.1	3.4
25	265	2.1	4590	0.1598	5.9	0.0247	1.1	0.18	157.2	1.6	150.5	8.2	46.7	138.1	157.2	1.6
20	102	3.9	2026	0.1538	9.8	0.0247	2.5	0.25	157.3	3.8	145.3	13.2	-46.7	229.9	157.3	3.8
82	128	3.1	3034	0.1792	10.2	0.0248	1.1	0.11	157.9	1.7	167.4	15.7	303.6	230.9	157.9	1.7
65	188	2.4	3964	0.1577	8.6	0.0248	0.5	0.06	158.2	0.8	148.7	11.9	0.3	207.3	158.2	0.8
43	91	3.4	2640	0.1565	19.0	0.0249	2.1	0.11	158.3	3.3	147.7	26.1	-20.2	460.0	158.3	3.3
72	38	3.5	1494	0.1113	44.9	0.0249	3.9	0.09	158.4	6.2	107.2	45.7	-923.3	1360.5	158.4	6.2
92	99	2.8	1016	0.1484	15.3	0.0250	2.7	0.18	158.9	4.3	140.5	20.1	-160.1	376.7	158.9	4.3
3	100	3.6	1922	0.1461	32.8	0.0250	1.2	0.04	159.0	1.9	138.4	42.4	-201.7	840.1	159.0	1.9
55	190	2.9	3500	0.1665	11.5	0.0250	1.8	0.16	159.0	2.8	156.4	16.6	116.0	267.8	159.0	2.8
84	125	3.3	2352	0.1622	21.9	0.0250	1.3	0.06	159.2	2.1	152.6	31.1	51.5	528.0	159.2	2.1
41	111	2.0	918	0.1487	13.8	0.0250	3.4	0.25	159.2	5.4	140.8	18.1	-160.2	333.1	159.2	5.4
64	116	2.3	2844	0.1603	16.5	0.0251	1.2	0.07	160.0	1.8	151.0	23.2	11.9	398.5	160.0	1.8
71	192	1.6	4134	0.1724	13.2	0.0251	1.0	0.07	160.0	1.6	161.5	19.7	183.0	308.1	160.0	1.6
99	325	1.6	3454	0.1742	7.8	0.0251	1.3	0.16	160.1	2.0	163.0	11.7	206.2	177.9	160.1	2.0
68	102	2.3	862	0.1389	19.9	0.0252	2.0	0.10	160.2	3.1	132.0	24.7	-348.9	516.3	160.2	3.1
88	180	3.9	2042	0.1558	9.3	0.0252	0.7	0.07	160.3	1.1	147.0	12.8	-61.9	227.2	160.3	1.1
86	362	2.1	5020	0.1685	4.0	0.0252	0.5	0.14	160.4	0.9	158.1	5.8	123.3	92.6	160.4	0.9
85	445	1.5	8638	0.1703	5.1	0.0252	2.1	0.41	160.5	3.4	159.6	7.6	147.1	109.6	160.5	3.4
54	43	3.5	812	0.0922	49.5	0.0252	3.0	0.06	160.7	4.8	89.6	42.5	-1556.9	1750.7	160.7	4.8
50	136	3.0	3684	0.1590	10.5	0.0252	1.5	0.15	160.7	2.4	149.8	14.6	-19.3	251.2	160.7	2.4
29	357	2.3	5060	0.1656	4.6	0.0253	2.4	0.52	161.2	3.8	155.6	6.6	71.9	92.6	161.2	3.8
90	117	3.6	1410	0.1511	14.1	0.0253	1.3	0.09	161.2	2.1	142.9	18.8	-152.5	351.0	161.2	2.1
13	210	2.0	696	0.1583	9.3	0.0253	0.8	0.09	161.3	1.3	149.2	12.9	-38.3	224.6	161.3	1.3
23	194	2.9	3154	0.1559	14.8	0.0255	1.4	0.09	162.0	2.2	147.1	20.3	-87.1	363.8	162.0	2.2
53	93	3.8	1338	0.1604	13.1	0.0255	1.3	0.10	162.0	2.1	151.0	18.3	-18.3	315.8	162.0	2.1
36	141	3.0	3240	0.1507	14.1	0.0255	2.2	0.15	162.1	3.5	142.6	18.8	-171.4	349.4	162.1	3.5
70	87	2.9	2318	0.1525	14.3	0.0255	1.5	0.11	162.1	2.4	144.1	19.2	-143.1	353.3	162.1	2.4
57	67	3.7	2186	0.1258	49.3	0.0257	1.8	0.04	163.7	2.9	120.3	55.9	-670.8	1432.3	163.7	2.9
30	38	2.2	1064	0.1020	61.6	0.0257	2.0	0.03	163.7	3.2	98.6	58.0	-1290.2	2125.2	163.7	3.2
42	103	2.3	1200	0.1596	11.5	0.0257	1.5	0.13	163.8	2.4	150.3	16.1	-57.8	279.6	163.8	2.4
16	97	4.9	2038	0.1585	11.7	0.0258	3.4	0.29	164.0	5.5	149.4	16.3	-77.6	275.6	164.0	5.5
27	147	2.4	5670	0.1701	14.2	0.0258	1.7	0.12	164.3	2.7	159.5	21.0	89.3	336.4	164.3	2.7
76	105	2.6	2448	0.1542	13.4	0.0258	0.5	0.04	164.5	0.8	145.6	18.2	-151.6	333.8	164.5	0.8
78	96	3.4	1914	0.1545	20.1	0.0259	0.7	0.03	164.6	1.1	145.9	27.3	-148.2	502.0	164.6	1.1
46	286	2.4	3018	0.1631	8.3	0.0259	0.9	0.11	164.6	1.4	153.4	11.8	-17.4	199.2	164.6	1.4
73	211	3.0	2534	0.1881	7.0	0.0259	1.8	0.26	164.7	2.9	175.0	11.2	316.8	153.1	164.7	2.9
28	523	1.7	6812	0.1729	4.7	0.0260	2.1	0.45	165.5	3.5	161.9	7.1	109.5	100.0	165.5	3.5
17	306	4.1	7548	0.1688	7.1	0.0261	1.2	0.17	165.9	2.0	158.4	10.4	47.7	166.5	165.9	2.0
7	412	2.1	4938	0.1716	6.6	0.0264	1.2	0.18	168.0	2.0	160.8	9.8	55.7	154.6	168.0	2.0
44	629	2.0	12080	0.1807	3.7	0.0264	1.1	0.30	168.2	1.8	168.7	5.8	175.4	82.5	168.2	1.8
38	102	3.2	4740	0.1705	21.6	0.0265	1.4	0.06	168.5	2.3	159.9	32.0	34.3	521.2	168.5	2.3
60	265	2.5	4082	0.1818	8.3	0.0266	1.7	0.20	169.1	2.8	169.6	13.0	176.7	190.3	169.1	2.8
59	151	3.3	3702	0.1693	11.0	0.0268	1.4	0.13	170.8	2.4	158.8	16.2	-16.1	264.2	170.8	2.4
1	513	2.4	11658	0.1877	4.0	0.0269	0.7	0.18	171.4	1.2	174.6	6.5	218.9	91.9	171.4	1.2
2	293	3.8	4420	0.1803	5.5	0.0270	2.8	0.51	171.7	4.8	168.3	8.6	121.0	111.6	171.7	4.8
49	758	2.8	3922	0.1824	3.7	0.0272	1.5	0.42	173.0	2.6	170.1	5.8	130.3	78.7	173.0	2.6
21	194	2.3	2258	0.1787	6.8	0.0275	0.8	0.12	174.9	1.4	167.0	10.4	55.3	160.2	174.9	1.4
15	213	2.9	3606	0.1843	6.8	0.0277	1.0	0.15	176.0	1.8	171.8	10.7	114.1	158.0	176.0	1.8
52	116	2.2	352	0.1643	17.2	0.0282	1.6	0.09	179.1	2.8	154.5	24.7	-208.1	433.5	179.1	2.8
63	922	2.6	15902	0.1897	3.4	0.0282	1.4	0.41	179.2	2.4	176.4	5.4	138.8	71.8	179.2	2.4
10	175	2.5	588	0.1832	11.7	0.0295	1.0	0.09	187.1	1.9	170.8	18.4	-49.1	283.8	187.1	1.9
61	1593	2.1	29292	0.2533	2.6	0.0366	0.6	0.22	231.5	1.3	229.2	5.4	205.7	59.7	231.5	1.3
14	243	2.9	3068	0.2490	4.2	0.0367	0.9	0.21	232.4	2.0	225.7	8.4	157.1	95.0	232.4	2.0

C80-13: Friday Creek (6V, 417048, 6830646)

3	108	6.0	3640	0.1074	17.3	0.0175	3.6	0.21	111.7	4.0	103.6	17.0	-78.3	415.9	111.7	4.0
40	265	4.1	3546	0.1075	14.5	0.0175	1.6	0.11	112.1	1.8	103.7	14.2	-85.6	353.4	112.1	1.8
1	170	4.3	3480	0.1167	20.6	0.0175	2.8	0.14	112.1	3.1	112.1	21.8	110.8	485.1	112.1	3.1
15	84	5.9	2776	0.0906	26.1	0.0176	5.2	0.20	112.5	5.8	88.1	22.1	-532.8	696.0	112.5	5.8
25	265	4.2	4368	0.1177	10.0	0.0176	1.8	0.18	112.5	2.0	113.0	10.7	123.1	232.7	112.5	2.0
2	70	5.6	2772	0.0985	36.6	0.0177	2.3	0.06	112.9	2.5	95.4	33.4	-323.6	966.4	112.9	2.5
11	358	2.0	3500	0.1177	5.5	0.0179	1.2	0.21	114.6	1.3	113.0	5.9	79.5	128.5	114.6	1.3
31	157	4.5	2536	0.1206	11.6	0.0180	3.4	0.30	114.8	3.9	115.6	12.6	132.9	260.4	114.8	3.9
12	197	4.1	3456	0.1161	12.9	0.0180	1.8	0.14	114.9	2.0	111.5	13.7	40.8	307.7	114.9	2.0
39	232	4.3	5516	0.1126	12.0	0.0181	3.7	0.31	115.8	4.3	108.3	12.3	-52.7	278.9	115.8	4.3
8	207	3.8	5194	0.1116	9.1	0.0182	1.8	0.19	116.2	2.0	107.4	9.2	-83.0	217.8	116.2	2.0
4	154	5.4	6568	0.0995	19.8	0.0182	0.7	0.04	116.4	0.9	96.3	18.2	-377.5	517.3	116.4	0.9
28	143	5.8	3994	0.1352	12.9	0.0183	1.0	0.07	116.7	1.1	128.8	15.5	357.3	290.5	116.7	1.1
30	121	3.6	1662	0.1206	16.4	0.0184	3.0	0.18	117.4	3.5	115.6	17.9	78.9	384.8	117.4	3.5
48	244	3.4	4216	0.1180	9.1	0.0184	1.2	0.13	117.4	1.3	113.3	9.8	28.3	217.9	117.4	1.3
17	118	6.0	3172	0.1089	37.6	0.0185	1.3	0.03	118.1	1.5	105.0	37.5	-182.1	968.5	118.1	1.5
43	159	3.5	2402	0.1083	13.6	0.0185	2.0	0.15	118.2	2.3	104.4	13.5	-200.7	338.6	118.2	2.3
6	80	5.2	2020	0.1062	15.0	0.0185	3.1	0.21	118.4	3.7	102.5	14.7	-253.6	374.2	118.4	3.7
13	98	5.5	2680	0.1156	18.5	0.0185	5.7	0.31	118.4	6.7	111.0	19.5	-44.4	431.2	118.4	6.7
19	186	4.7	4092	0.1171	8.8	0.0185	0.8	0.09	118.5	0.9	112.5	9.4	-12.8	212.8	118.5	0.9
7	116	6.2	3312	0.1206	27.6	0.0186	1.0	0.03	118.8	1.1	115.6	30.2	50.0	670.2	118.8	1.1
23	130	4.6	2684	0.1071	26.6	0.0186	2.5	0.10	118.9	3.0	103.3	26.2	-241.0	679.1	118.9	3.0
14	189	5.6	5252	0.1116	11.0	0.0186	1.4	0.13	118.9	1.6	107.4	11.2	-139.5	270.5	118.9	1.6
29	275	5.1	2362	0.1182	7.4	0.0186	0.9	0.12	119.0	1.1	113.5	8.0	-0.5	178.3	119.0	1.1
9	159	4.5	3236	0.1129	18.9	0.0187	1.2	0.06	119.2	1.4	108.6	19.5	-117.3	469.0	119.2	1.4
37	189	5.7	3004	0.1214	8.4	0.0187	1.2	0.14	119.4	1.4	116.3	9.2	52.9	197.8	119.4	1.4
27	165	5.0	7548	0.1182	16.5	0.0187	4.2	0.26	119.5	5.0	113.5	17.7	-10.8	386.4	119.5	5.0
32	268	3.7	3908	0.1113	12.2	0.0187	1.3	0.11	119.6	1.6	107.2	12.4	-161.4	301.7	119.6	1.6
24	272	5.0	5498	0.1182	15.6	0.0187	0.5	0.03	119.6	0.6	113.5	16.7	-13.9	377.9	119.6	0.6
26	72	6.5	1494	0.1102	45.5	0.0187	2.0	0.04	119.7	2.3	106.1	45.9	-188.1	1191.6	119.7	2.3
36	191	2.9	3448	0.1266	8.7	0.0187	2.2	0.25	119.7	2.6	121.1	9.9	147.9	196.9	119.7	2.6
22	320	3.1	8402	0.1241	6.3	0.0188	0.7	0.12	120.1	0.9	118.8	7.1	93.0	148.9	120.1	0.9
10	159	4.7	46102	0.1599	15.2	0.0189	1.0	0.06	120.8	1.1	150.6	21.3	650.4	328.4	120.8	1.1
20	187	4.8	3258	0.1351	13.2	0.0190	1.8	0.13	121.1	2.1	128.6	16.0	271.2	301.2	121.1	2.1
42	87	3.2	2482	0.0852	35.6	0.0190	4.3	0.12	121.1	5.2	83.1	28.4	-910.4	1053.1	121.1	5.2
41	312	4.1	3818	0.1183	8.3	0.0190	1.6	0.19	121.2	1.9	113.6	9.0	-43.1	199.3	121.2	1.9
46	184	3.2	3292	0.1147	11.0	0.0190	1.2	0.11	121.3	1.4	110.2	11.5	-123.8	271.4	121.3	1.4
18	204	4.4	3650	0.1179	17.6	0.0190	1.4	0.08	121.5	1.7	113.2	18.8	-59.2	430.3	121.5	1.7
38	159	5.1	2162	0.1242	13.6	0.0191	1.2	0.09	121.8	1.5	118.9	15.3	62.0	324.2	121.8	1.5
45	174	3.4	2706	0.1181	14.4	0.0191	1.0	0.07	122.2	1.2	113.4	15.4	-68.4	351.6	122.2	1.2
16	80	6.1	3016	0.1140	25.2	0.0192	0.9	0.03	122.6	1.0	109.6	26.2	-164.7	635.8	122.6	1.0
21	154	4.9	3094	0.1252	23.6	0.0192	0.9	0.04	122.9	1.1	119.8	26.7	59.2	569.3	122.9	1.1
44	177	3.9	2934	0.1177	11.6	0.0193	1.0	0.08	123.0	1.2	113.0	12.4	-92.6	283.7	123.0	1.2
34	541	8.8	4102	0.1366	3.9	0.0194	1.6	0.40	123.8	1.9	130.0	4.7	244.2	81.4	123.8	1.9
33	66	4.6	1138	0.0887	33.8	0.0194	1.9	0.06	124.1	2.3	86.3	28.0	-868.0	995.2	124.1	2.3
47	154	3.6	2850	0.1140	32.5	0.0198	0.7	0.02	126.1	0.8	109.6	33.8	-235.3	838.4	126.1	0.8
35	213	3.2	3598	0.1235	8.0	0.0199	0.8	0.10	127.0	1.0	118.2	9.0	-54.6	194.7	127.0	1.0
5	110	5.0	2846	0.1552	30.2	0.0201	0.8	0.03	128.0	1.0	146.5	41.2	457.4	683.1	128.0	1.0