

Strauss and others (xxxx) Supplementary Data File

Table DR1. Location of measured stratigraphic sections.

Section Name	Camp Name	Inlier	Latitude	Longitude
F927 - base	Talc Falls	Coal Creek	64.787756	-139.825689
F927 - top	Talc Falls	Coal Creek	64.787531	-139.828554
F928 - base	Talc Falls	Coal Creek	64.781026	-139.822763
F928 - top	Talc Falls	Coal Creek	64.777922	-139.836666
J907 - base	Sheep Camp	Hart River	64.572229	-136.836461
J907 - top	Sheep Camp	Hart River	64.573667	-136.849934
J908 - base	Sheep Camp	Hart River	64.569988	-136.802585
J908 - top	Sheep Camp	Hart River	64.568602	-136.803404
J1018 - base	Mount Gibben	Coal Creek	64.6631833	-139.3974333
J1018 - top	Mount Gibben	Coal Creek	64.6627833	-139.3969833
J1019 - base	Mount Gibben	Coal Creek	64.6886	-139.35081
J1019 - top	Mount Gibben	Coal Creek	64.6725	-139.3692667
J1122 - base	Mark Creek	Hart River	64.623077	-136.930764
J1122 - top	Mark Creek	Hart River	64.620149	-136.927846
J1201 - base	Gibben East	Coal Creek	64.70755	-139.1039333
J1201 - top	Gibben East	Coal Creek	64.7064667	-139.1080333
J1202 - base	Gibben East	Coal Creek	64.6986667	-139.0937167
J1202 - top	Gibben East	Coal Creek	64.69785	-139.09945
J1203 - base	Gibben East	Coal Creek	64.69685	-139.0962333
J1203 - top	Gibben East	Coal Creek	64.69655	-139.0963833
J1204 - base	Gibben East	Coal Creek	64.68155	-139.2321
J1206 - base	Reefer Camp	Coal Creek	64.7568833	-139.7067667
J1206 - top	Reefer Camp	Coal Creek	64.758063	-139.752754
J1207 - base	Reefer Camp	Coal Creek	64.7617667	-139.7470167
J1207 - top	Reefer Camp	Coal Creek	64.7587	-139.7526
J1210 - base	Mount Harper	Coal Creek	64.6883333	-139.85805
J1210 - top	Mount Harper	Coal Creek	64.6829333	-139.8633667
J1211 - base	Mount Harper	Coal Creek	64.6920333	-139.8670333
J1211 - top	Mount Harper	Coal Creek	64.6905833	-139.867
J1222 - base	Penetration Lake	Hart River	64.54539	-136.549296
J1222 - top	Penetration Lake	Hart River	64.542626	-136.541623
J1223 - base	Penetration Lake	Hart River	64.544011	-136.487438
J1223 - top	Penetration Lake	Hart River	64.543031	-136.484123
J1301 - base	Mount Harper East	Coal Creek	64.6644833	-139.731729
J1301 - top	Mount Harper East	Coal Creek	64.6599667	-139.73685
J1302 - base	Mine Camp	Coal Creek	64.8242	-140.0427333

J1302 - top	Mine Camp	Coal Creek	64.8276833	-140.0504333
J1303 - base	Mine Camp	Coal Creek	64.8148333	-140.0499
J1303 - top	Mine Camp	Coal Creek	64.8126667	-140.0478333

Table DR2. Carbonate carbon and oxygen isotope data.

Section	Stratigraphic Height	$\delta^{13}\text{C}$	$\delta^{18}\text{O}$	Section	Stratigraphic Height	$\delta^{13}\text{C}$	$\delta^{18}\text{O}$
J1302	1.2	4.51	0.52	J1018	0.1	4.21	1.74
J1302	2.3	4.04	-1.39	J1018	0.5	3.78	0.20
J1302	6.8	4.88	-1.07	J1018	1	3.35	-1.29
J1302	8.6	3.21	-2.57	J1018	1.5	3.59	-0.95
J1302	10.7	-0.68	-1.84	J1018	2	3.51	-0.87
J1302	14.6	3.76	-1.43	J1018	2.5	3.32	-1.48
J1302	16.5	3.54	-1.72	J1018	3	3.33	-1.51
J1302	18.3	2.96	-1.45	J1018	3.5	3.32	-0.89
J1302	20.7	2.37	3.37	J1018	4.5	3.93	0.97
J1302	22.8	3.99	0.40	J1018	5	4.19	1.32
J1302	25.5	1.10	2.89	J1018	5.5	3.81	-0.22
J1302	28.1	1.57	-0.75	J1018	6	3.62	0.24
J1302	30.8	-0.10	2.43	J1018	6.5	3.16	-0.63
J1302	32.5	-1.50	3.62	J1018	7	2.63	0.30
J1302	33.5	-2.92	3.62	J1018	7.5	2.14	-0.84
J1302	35.3	1.10	2.06	J1018	8	2.28	-0.87
J1302	36.9	3.37	-1.78	J1018	9.2	1.17	-0.20
J1302	37.8	3.11	-0.20	J1018	9.5	0.82	-1.05
J1302	41.6	-2.01	-3.47	J1018	10	0.68	-2.48
J1302	43.8	3.17	-0.71	J1018	10.5	0.73	0.33
J1302	46.4	3.38	-0.88	J1018	11	0.99	0.15
J1302	47.3	1.92	-2.34	J1018	11.5	1.29	-0.13
J1302	51.3	0.57	-1.76	J1018	12	1.26	0.74
J1302	54.6	-0.80	0.32	J1018	12.5	1.86	1.56
J1302	57.8	-1.33	3.76	J1018	13	1.49	-0.75
J1302	59.6	1.77	-0.37	J1018	14	0.61	0.88
J1302	62.6	2.65	1.38	J1018	14.5	-0.33	0.16
J1302	64.6	1.78	-0.51	J1018	15	1.92	1.32
J1302	66.6	2.48	-0.03	J1018	16	1.27	0.04
J1302	68.6	2.28	-2.60	J1018	16.5	0.48	0.70
J1302	72.2	0.75	3.21	J1018	17	0.45	1.25
J1302	72.8	0.43	0.56	J1018	17.5	-0.06	1.43
J1302	75.6	-0.62	1.86	J1018	18	-0.56	0.58
J1302	78.5	-1.35	-0.34	J1018	18.5	-0.40	1.45
J1302	79.6	-0.61	-1.12	J1018	19	-0.73	-0.11
J1302	81.7	-0.66	-0.56	J1018	19.5	-0.19	0.66
J1302	83.8	-0.72	-3.31	J1018	20	-2.01	-0.81
J1302	84.4	-0.18	-2.36	J1018	28	-1.74	1.57
J1302	109	-0.66	-1.22	J1018	29	-0.47	-1.04
J1302	111.1	-1.81	0.32	J1018	29.5	-1.23	-3.77
J1302	113.4	0.02	-1.95	J1018	30	-3.27	-0.62
J1302	125.9	-1.23	-2.51	J1018	30.5	-2.00	0.64
J1302	129.8	0.58	-2.33	J1018	31	-0.94	0.15
J1302	134.8	2.63	-0.64	J1018	31.5	-0.35	-2.17
J1302	139.7	1.67	-1.07	J1018	32	-0.61	-2.66
J1302	144.8	2.69	1.19	J1018	37.1	-2.83	-1.46
				J1018	37.5	-2.43	-1.75
J1201	74.4	1.61	-6.80	J1018	38.5	-1.56	-0.93
J1201	74.8	-0.39	-6.70	J1018	39	-2.31	-1.44
J1201	75.6	-0.08	-7.75	J1018	39.5	-1.20	-0.31
J1201	76.2	0.28	-6.99	J1018	40	-1.03	-0.66
J1201	76.5	-0.13	-5.89	J1018	40.5	-1.01	-0.62

J1201	77.5	1.42	-5.73	J1018	41	-0.53	-0.76
J1201	77.6	0.64	-6.10	J1018	41.5	0.18	-0.90
J1201	78	0.38	-6.02	J1018	42	-0.36	-1.07
J1201	78.3	0.38	-6.21	J1018	42.6	0.77	-1.01
J1201	86.5	0.36	-6.47	J1018	43	0.37	-1.03
J1201	87.1	0.73	-7.31				
J1201	87.5	1.55	-7.19	J1210	0.6	1.81	-3.75
J1201	88	1.78	-7.33	J1210	2.3	2.16	-2.86
J1201	88.5	0.53	-6.92	J1210	3.2	2.36	-3.04
J1201	89	1.26	-6.93	J1210	4.1	1.50	-2.34
J1201	89.5	1.32	-6.89	J1210	6.1	2.57	-1.21
J1201	90	0.76	-7.15	J1210	8.2	2.74	-2.45
J1201	90.5	0.63	-6.88	J1210	9.1	3.42	-1.68
J1201	90.9	0.75	-7.15	J1210	10.1	2.87	-2.34
J1201	91.2	0.82	-6.93	J1210	11.1	3.39	-4.96
J1201	92.5	0.42	-7.45	J1210	12.6	4.20	-3.73
J1201	93	-0.47	-7.30	J1210	13.9	5.07	-2.53
J1201	93.8	-0.35	-6.98	J1210	15	5.33	-1.78
J1201	94.5	0.08	-6.64	J1210	19.2	5.84	-3.04
J1201	96	0.68	-6.84	J1210	22.6	6.09	1.43
J1201	96.3	0.39	-6.63	J1210	24.4	5.50	-3.10
J1201	96.7	1.12	-6.77	J1210	26.3	5.97	-0.01
J1201	107.5	-1.58	-4.33	J1210	28.4	5.33	-3.08
J1201	108.1	1.54	-3.43	J1210	38.8	3.10	-2.08
J1201	108.5	0.80	-2.94	J1210	41	3.99	-4.17
J1201	109.1	1.14	-2.83	J1210	43	4.55	-0.56
J1201	109.4	-0.20	-3.86	J1210	61.6	4.97	0.96
				J1210	62.1	2.33	1.88
J1202	0.3	4.11	-1.16	J1210	63.2	5.08	-2.60
J1202	1.8	3.86	0.47	J1210	85.4	4.44	-2.94
J1202	3.9	3.61	-1.20	J1210	87.1	4.59	1.36
J1202	11.4	0.68	0.83	J1210	90.2	4.11	-5.07
J1202	27.6	1.53	-5.32	J1210	93.4	4.01	-4.42
J1202	36.8	2.20	-0.36	J1210	95.1	2.48	-0.70
J1202	48.7	2.10	-1.96	J1210	96.5	2.52	0.92
J1202	58.1	1.54	-1.57	J1210	97.6	5.00	2.07
J1202	58.3	2.17	0.45	J1210	99.2	3.82	0.63
J1202	61.8	2.90	0.23	J1210	101.4	4.15	0.99
J1202	74.3	1.54	-6.17	J1210	103.1	4.53	1.34
J1202	81.6	2.02	-5.87	J1210	105	3.73	-4.64
J1202	86.7	2.06	-4.54	J1210	106.2	3.93	-5.92
J1202	109.2	1.92	-9.05	J1210	108.9	2.18	-0.99
J1202	119.7	1.41	-6.13	J1210	109.8	3.54	-4.67
J1202	130.2	2.19	-5.84	J1210	107.5	2.70	-2.51
J1202	155.4	1.32	-6.07	J1210	110.7	3.68	-1.17
J1202	166.2	1.26	-5.72	J1210	113.3	4.26	0.58
J1202	176.7	1.29	-5.32	J1210	114.9	4.61	0.04
J1202	187.2	-0.48	-2.25	J1210	117.1	5.03	1.84
J1202	197.7	0.13	-0.72	J1210	119.2	4.61	2.26
J1202	208.2	0.91	-3.56	J1210	123.1	4.46	2.79
J1202	218.5	3.63	-0.43	J1210	127.2	4.88	1.60
				J1210	129.2	5.39	2.25
J1203	0.3	0.56	-6.23	J1210	133.4	5.83	2.24
J1203	0.9	0.64	-7.05	J1210	137.8	5.63	1.89
J1203	1.6	0.44	-7.59	J1210	140.3	5.87	2.49

J1203	2.5	1.21	-6.06	J1210	142.4	6.05	1.96
J1203	3.3	1.05	-6.36	J1210	147.1	5.75	1.31
J1203	4.1	1.25	-5.19	J1210	149.5	5.70	1.50
J1203	4.15	1.54	-5.10	J1210	152.5	5.96	1.46
J1203	5	1.34	-5.10	J1210	155.1	5.81	1.05
J1203	6.3	1.39	-6.43	J1210	157.1	5.56	-1.19
J1203	7	1.93	-3.93	J1210	159.4	4.96	0.82
J1203	8.8	2.05	-4.96	J1210	163	5.26	0.92
J1203	9.7	2.71	-5.49	J1210	165.4	5.50	1.92
J1203	10.1	3.33	-1.37	J1210	168.1	5.87	4.19
J1203	12.1	3.64	-0.37	J1210	172.3	5.48	0.47
J1203	13.2	2.10	-4.69	J1210	174.1	5.02	-2.13
J1203	14.2	1.29	-5.02	J1210	176	4.77	1.05
J1203	15.1	0.99	-1.54	J1210	177.9	4.62	0.62
J1203	16	0.90	-0.70	J1210	180.2	4.30	-0.76
J1203	17	-0.84	-2.22	J1210	182.2	4.72	0.39
J1203	17.8	-2.49	0.68	J1210	183.7	4.84	2.13
J1203	18.8	-1.63	0.24	J1210	186.1	5.06	0.71
J1203	21.1	-3.28	0.31	J1210	187.9	4.91	0.62
J1203	25.2	-4.18	-1.57	J1210	192.3	4.73	-1.77
J1203	25.4	-3.74	0.07	J1210	194.2	4.89	-0.29
J1203	35.5	-0.73	-0.63	J1210	196.2	4.22	0.59
J1203	36.1	-1.41	-2.21	J1210	197.8	2.02	0.64
J1203	36.5	-2.10	-1.49	J1210	200.1	4.68	-2.97
				J1210	201.9	4.66	-3.11
J1204	0.3	4.00	-2.84	J1210	204.1	4.16	-5.72
J1204	1	3.91	-3.11	J1210	207.8	4.42	-3.08
J1204	1.3	3.61	-5.12	J1210	206.1	4.74	-3.23
J1204	2	3.77	-4.16	J1210	206.2	5.03	-0.78
J1204	2.5	3.61	-4.36	J1210	208.2	4.29	-1.04
J1204	3	3.78	-2.45	J1210	210.7	4.58	0.63
J1204	3.4	3.15	-2.96	J1210	212.1	4.82	-1.28
J1204	4.1	2.58	0.35	J1210	214.1	4.53	1.92
J1204	4.4	2.26	-0.19	J1210	216.2	5.15	0.48
J1204	5	2.01	-0.93	J1210	218	4.53	-1.50
J1204	5.5	1.67	0.42	J1210	220.1	4.66	-0.17
J1204	6.1	1.63	0.11	J1210	222.4	4.92	-0.44
J1204	6.5	1.29	-0.19	J1210	223.9	4.46	-3.78
J1204	7	0.73	0.31	J1210	226.1	4.70	-0.50
J1204	7.4	0.01	0.92	J1210	227.9	4.56	-0.63
J1204	8	1.05	1.33	J1210	230.1	3.24	0.73
J1204	8.3	0.58	1.00	J1210	232.1	3.35	-1.85
J1204	19.3	-2.78	-1.19	J1210	234.2	3.05	-0.43
J1204	20	-2.67	-1.22	J1210	236.1	3.36	-2.36
J1204	20.4	-4.02	-1.56	J1210	238.2	2.97	1.66
J1204	20.9	-3.77	-0.94	J1210	242.1	3.32	-3.67
J1204	21.1	-3.60	-0.62	J1210	244.6	3.30	-1.54
J1204	21.9	-7.00	-1.30	J1210	245.9	3.85	0.80
J1204	22.3	-2.76	-4.21	J1210	248.4	3.74	-0.49
J1204	22.9	-4.21	-1.87	J1210	249.8	3.31	1.06
J1204	23.3	-3.96	-2.01	J1210	252.6	4.37	2.88
J1204	23.9	-3.94	-2.07	J1210	258.2	3.61	1.85
J1204	24.4	-4.07	-2.22	J1210	260.1	3.77	2.85
J1204	25.4	-2.88	-5.85	J1210	262.4	3.56	1.91
J1204	25.9	-6.53	-2.16	J1210	263.9	3.90	-1.23

J1204	27.2	-5.64	-2.07	J1210	276.1	2.64	0.95
J1204	27.5	-5.50	-1.89	J1210	359.9	4.68	2.34
J1204	29.6	-3.26	-0.82	J1210	416.5	3.25	2.13
J1204	30.9	-2.97	-2.95	J1210	418.1	3.39	1.40
J1204	32.2	-2.37	-0.28	J1210	420.1	3.51	-2.98
				J1210	422.1	3.98	0.91
J1207	0.5	1.74	1.43	J1210	424.2	3.90	1.94
J1207	2.6	0.18	-0.88	J1210	426.3	3.84	-0.30
J1207	3.9	0.89	-1.35	J1210	427.8	4.51	-4.08
J1207	14.9	0.85	-2.99	J1210	428.2	4.34	-3.66
J1207	57.2	2.16	-0.90	J1210	430.1	4.33	-4.03
J1207	58.4	5.16	1.02	J1210	431.8	4.37	-5.61
J1207	59.2	4.27	0.40	J1210	434	4.38	-1.94
J1207	60.8	3.99	-0.24	J1210	435.8	3.80	-0.92
J1207	61.7	3.95	1.14	J1210	438.1	3.74	-2.22
J1207	66.1	3.14	-1.14	J1210	440.1	2.49	-0.41
J1207	68	5.49	1.81	J1210	443.8	2.37	-1.22
J1207	73.5	5.00	1.13	J1210	446.1	1.76	0.04
J1207	81.9	-0.24	1.77	J1210	447	2.76	-2.40
J1207	99	1.28	1.08	J1210	448.2	3.07	-1.13
J1207	104.7	0.82	0.52	J1210	518	1.63	-7.28
J1207	109.1	-0.65	-0.71	J1210	518.5	1.44	-8.28
J1207	114.7	0.61	0.08	J1210	519	1.57	-9.06
J1207	118.9	1.21	-3.75	J1210	519.5	0.69	-8.49
J1207	122.5	1.19	-7.66	J1210	521.8	0.49	-2.94
J1207	145.9	3.32	-4.86	J1210	524.3	-3.62	-3.07
J1207	151.8	3.70	-5.61	J1210	526.1	-3.67	-3.10
J1207	156.1	3.13	-2.65	J1210	527.9	-3.69	-2.79
J1207	161.2	3.81	-0.38	J1210	531	-0.45	-4.68
J1207	165.4	2.45	0.83	J1210	534	0.27	-4.94
J1207	171.2	3.55	-3.24				
J1207	176.4	3.63	-2.28	J1301	20	5.13	-5.34
J1207	179.9	4.14	1.66	J1301	22	5.00	-4.60
J1207	184.4	2.45	-0.80	J1301	24	4.70	-6.65
J1207	188	3.86	1.23	J1301	25.9	4.05	-3.00
J1207	189.7	3.84	-0.75	J1301	28.3	3.04	-0.31
J1207	196	3.29	-1.72	J1301	30.2	4.91	-2.75
J1207	201	3.17	-0.10	J1301	32.2	5.09	-3.11
				J1301	33.8	5.49	-0.38
J907	0	4.10	-1.69	J1301	36	5.06	-0.79
J907	1	2.18	-3.54	J1301	40.2	5.28	0.70
J907	23.5	3.60	-0.40	J1301	42.9	5.40	-0.44
J907	24.5	3.44	0.96	J1301	43.8	4.98	2.31
J907	25.5	3.29	0.22	J1301	48	4.14	1.91
J907	26.5	2.43	0.40	J1301	49.7	4.40	1.77
J907	27.5	-0.15	-4.55	J1301	54.5	4.00	0.52
J907	29.5	2.05	-0.31	J1301	56.4	4.41	1.94
J907	30.5	3.23	0.77	J1301	58.1	4.21	0.90
J907	31	3.32	1.81	J1301	60.2	4.62	1.76
J907	32	2.30	-0.81	J1301	62.6	4.10	2.42
J907	33	3.41	0.59	J1301	62.8	3.87	1.93
J907	34	2.75	0.05	J1301	65.6	1.61	-7.04
J907	35	2.62	-3.58	J1301	66.4	1.72	-5.92
J907	36	2.66	-3.56	J1301	68.6	1.45	-7.10
J907	37	3.13	-1.69	J1301	70.7	2.12	1.39

J907	38	3.04	-1.47	J1301	72.6	2.13	1.89
J907	39	3.59	0.33	J1301	74.7	1.32	0.70
J907	40	2.79	0.39	J1301	76.4	0.83	1.72
J907	41	2.64	0.27	J1301	100.5	1.42	-0.28
J907	42	2.40	0.03	J1301	102.7	0.27	-3.42
J907	43	2.10	0.52	J1301	104.5	0.89	-3.58
J907	44	2.08	-0.27	J1301	107.6	0.46	-0.26
J907	45	2.20	0.64	J1301	112	2.64	-2.67
J907	46	2.27	0.03	J1301	115	4.52	0.14
J907	47	2.30	-0.88	J1301	118	4.89	-0.87
J907	48	2.39	-0.57	J1301	120.8	4.32	-3.88
J907	49	2.54	0.12	J1301	123.7	4.05	-2.95
J907	50	2.77	-0.40	J1301	126.9	4.30	-3.20
J907	51	2.79	-0.24	J1301	130.4	3.92	-3.16
J907	52	2.04	-2.45	J1301	133	4.27	-2.59
J907	53	2.20	-0.12	J1301	137.1	4.47	-1.91
J907	54	3.51	1.11	J1301	140.3	4.39	-1.59
J907	55	2.22	-0.79	J1301	147.1	4.54	-1.31
J907	56	1.32	0.72	J1301	149.8	4.69	-1.26
J907	57	-0.04	1.15	J1301	152.6	4.80	-0.12
J907	58	-2.24	3.09	J1301	165.3	4.53	-0.45
J907	59	-0.91	1.92	J1301	168	4.85	0.04
J907	60	0.36	0.20	J1301	171	4.86	0.50
J907	61	-0.06	-0.60	J1301	177.8	3.99	-2.97
J907	62	1.42	-0.67	J1301	176.7	4.69	-0.19
J907	63	1.72	0.50	J1301	179.7	4.23	-2.03
J907	64	1.48	-2.60	J1301	185.2	4.24	-1.62
J907	65	2.22	-0.63	J1301	187.1	4.92	1.19
J907	66	0.96	-4.19	J1301	190	4.58	-0.40
J907	67	1.57	-0.03	J1301	193	5.01	1.36
J907	68	0.20	1.35	J1301	196.2	4.72	0.40
J907	69	-1.39	1.53	J1301	199.5	4.44	-2.03
J907	70	-2.12	2.08	J1301	202.3	4.52	-1.22
J907	71	-2.18	2.65	J1301	205.6	4.82	0.45
J907	72	-1.34	-0.03	J1301	208	4.51	0.22
J907	73	-2.08	2.54	J1301	211	4.11	-2.69
J907	74	-1.76	1.85	J1301	214.5	5.06	1.77
J907	75	-0.86	0.60	J1301	217.7	4.12	-2.23
J907	76	-1.33	-2.97	J1301	220.3	4.36	1.44
J907	77	-1.22	-1.27	J1301	223	5.01	1.96
J907	78	-1.77	1.66	J1301	226.1	5.13	3.22
J907	79	-0.99	-0.28	J1301	229.5	5.32	2.93
J907	80	-1.15	-0.09	J1301	232.1	5.08	1.04
J907	81	-2.90	2.27	J1301	235.4	4.89	0.26
J907	82	-3.28	2.00	J1301	238	4.99	1.48
J907	83	-1.24	-2.25	J1301	241	5.17	1.97
J907	84	-0.89	-0.53	J1301	243.1	4.92	0.66
J907	86	0.85	0.35	J1301	246	4.92	0.95
J907	88	0.54	-0.07	J1301	248.3	4.91	1.41
J907	90	2.34	-0.19	J1301	252	4.45	0.28
J907	92	2.58	2.34	J1301	255.1	4.70	1.09
J907	94	1.94	2.03	J1301	258.1	4.89	2.21
J907	96	1.82	2.56	J1301	261.2	4.75	1.72
J907	98	2.54	1.33	J1301	267	5.13	2.72
J907	100	1.71	-3.02	J1301	267	5.14	2.70

J907	102	2.63	0.50	J1301	270.1	4.83	1.08
J907	104	2.43	1.43	J1301	273	4.82	2.16
J907	106	2.77	1.75	J1301	275.1	4.77	0.65
J907	108	2.41	1.43	J1301	279.2	4.89	2.58
J907	110	2.30	1.62	J1301	282	4.87	2.72
J907	112	2.67	0.64	J1301	285.1	4.64	1.17
J907	114	2.89	1.01	J1301	288.2	5.03	1.63
J907	116	2.59	-0.13	J1301	291	4.99	1.46
J907	118	2.87	0.79	J1301	293	4.77	0.56
J907	120	3.08	2.04	J1301	296	4.95	2.30
J907	122	2.53	0.85	J1301	299.1	4.64	-0.31
J907	124	2.68	0.39	J1301	302.2	4.84	2.73
J907	126	2.94	1.26	J1301	305	4.44	-1.27
J907	128	2.73	-0.01	J1301	307.8	5.17	3.36
J907	130	2.88	0.51	J1301	310.1	4.47	0.87
J907	132	2.71	0.57	J1301	312.9	4.68	2.52
J907	134	3.08	1.38	J1301	316	4.32	1.76
J907	136	3.18	1.37	J1301	319	4.71	1.88
J907	138	3.14	0.66	J1301	322.3	4.43	2.16
J907	140	2.22	-1.09	J1301	325	4.08	1.34
J907	142	2.98	0.32	J1301	328.2	4.66	-0.16
J907	144	3.04	0.07	J1301	331.1	4.45	-0.10
J907	146	3.20	-0.55	J1301	334	4.94	1.16
J907	148	3.17	0.21	J1301	337	4.78	0.84
J907	150	3.44	0.48	J1301	340	4.06	-2.67
J907	152	3.01	-0.33	J1301	343.1	4.53	0.05
J907	154	2.58	-1.83	J1301	346	4.08	-0.25
J907	156	3.11	0.78	J1301	349.4	4.78	2.10
J907	158	3.25	0.21	J1301	352	4.49	1.46
J907	160	3.05	1.26	J1301	355.7	4.57	2.97
J907	162	3.36	-0.28	J1301	361.5	3.55	2.44
J907	164	3.31	0.24	J1301	364.6	3.77	0.25
J907	166	3.31	0.08	J1301	368.5	3.40	-1.92
J907	168	3.07	0.30	J1301	371.2	3.61	-1.02
J907	170	3.13	0.19	J1301	374.9	3.45	-0.49
J907	172	2.41	-0.21	J1301	377	3.66	1.25
J907	174	1.68	-2.25	J1301	380	3.87	0.85
J907	176	2.38	0.73	J1301	385.5	4.09	1.54
J907	178	0.94	1.73	J1301	387.5	3.88	0.16
J907	180	0.49	-1.47	J1301	389.7	3.44	-0.28
J907	182	2.03	1.87	J1301	391.2	3.22	2.19
J907	184	1.70	2.32	J1301	393	3.05	1.08
J907	186	1.95	0.89	J1301	394.7	3.93	0.38
J907	186	1.93	0.89	J1301	396.4	3.83	0.70
J907	188	1.22	0.79	J1301	397.4	4.05	0.63
J907	190	2.73	1.59	J1301	401.3	1.37	1.13
J907	192	2.47	0.70	J1301	401.7	1.71	0.45
J907	194	2.87	1.03	J1301	402.9	0.04	0.85
J907	194	2.83	1.10				
J907	196	2.62	0.19	J908	0.1	2.33	-4.60
J907	198	2.79	1.00	J908	1	3.95	-4.75
J907	200	2.69	0.94	J908	1.2	3.78	-4.79
J907	202	2.33	0.31	J908	3	2.71	-4.24
J907	204	1.64	-1.47	J908	3.8	3.44	-3.29
J907	205.5	-0.93	1.67	J908	4.4	2.09	-3.25

J907	206	0.44	-0.09	J908	23.6	2.91	-2.00
J907	208	0.43	1.51	J908	25.4	1.28	-0.76
J907	210	-0.08	3.13	J908	26	1.52	0.61
J907	212	0.06	1.51	J908	26.4	0.55	0.71
J907	214	0.40	0.58	J908	27	0.94	0.12
J907	216	-0.24	1.12	J908	28.8	1.26	-2.28
J907	218	0.02	1.17	J908	28.9	2.48	-0.69
J907	218	0.04	1.17	J908	30	3.19	0.95
J907	220	-0.49	2.23	J908	32	2.59	-0.49
J907	222	-0.28	2.07	J908	34	2.62	-0.06
J907	224	1.54	0.91	J908	36	2.93	0.84
J907	226	1.13	1.18	J908	38	2.48	-0.30
J907	228	1.59	0.63	J908	40	2.12	-0.10
J907	230	1.98	0.16	J908	46	0.90	-1.31
J907	232	1.62	1.98	J908	48	1.00	-1.23
J907	234	1.07	1.61	J908	50	1.07	-0.04
J907	236	1.51	1.18	J908	52	0.74	-4.05
J907	238	1.52	1.33	J908	54.1	-1.15	0.47
J907	240	1.68	0.73	J908	56.6	-2.16	-0.48
J907	242	2.14	1.49	J908	57.1	-3.25	0.21
J907	244	1.84	4.04	J908	58	-2.21	-0.72
J907	246	1.53	0.90	J908	60.4	-0.37	-3.31
J907	248	0.52	0.22	J908	61.5	2.76	0.03
J907	250	1.02	1.19	J908	62.5	2.85	-0.37
J907	252	1.07	2.43	J908	63.3	1.94	1.00
J907	254	1.22	2.38	J908	64.2	0.42	-0.83
J907	256	0.81	1.65	J908	64.6	2.48	-0.54
J907	258	0.75	1.54	J908	64.8	-0.80	-0.87
J907	260	0.80	2.11	J908	64.9	2.11	0.55
J907	262	1.00	2.05	J908	66.4	-0.19	0.16
J907	264	0.52	-0.49	J908	68.1	1.50	0.66
J907	266	0.09	1.99	J908	69.1	2.13	1.16
J907	268	0.35	0.75				
J907	270	0.68	0.83	J1122	0.1	1.82	-1.98
J907	272	0.09	2.56	J1122	2	2.05	-1.38
J907	274	1.90	2.02	J1122	3.9	0.59	-3.24
J907	276	1.95	1.45	J1122	6	1.60	-0.59
J907	278	3.21	2.82	J1122	8	1.48	-0.41
J907	280	2.69	2.74	J1122	12	0.12	-0.98
J907	282	2.66	3.15	J1122	14	-0.60	-1.30
J907	284	2.40	2.64	J1122	16	1.33	-3.50
J907	286	2.22	3.81	J1122	18	3.13	0.28
J907	288	3.31	4.25	J1122	20	2.86	-0.89
J907	290	1.33	1.73	J1122	22	1.50	-0.72
J907	292	1.10	2.04	J1122	24	1.41	-1.40
J907	294	0.63	3.28	J1122	26	1.38	-1.35
J907	296	2.89	3.71	J1122	28	1.53	-1.31
J907	298	3.02	5.16	J1122	30	1.13	-1.98
J907	300	1.57	3.38	J1122	32	0.84	-2.55
J907	302	1.56	2.82	J1122	34	1.68	-1.72
J907	304	3.09	3.74	J1122	36	-0.23	-2.52
J907	306	3.60	3.97	J1122	38	-0.15	-3.01
J907	308	1.24	3.27	J1122	40	1.37	-3.25
J907	310	-0.57	4.40	J1122	42	1.73	-2.02
J907	312	0.99	2.92	J1122	44	1.29	-1.78

J907	314	1.57	3.25	J1122	48	1.64	-1.45
J907	316	1.74	2.28	J1122	50	1.45	-1.84
J907	318	0.97	3.50	J1122	52	2.21	-0.99
J907	320	3.11	2.49	J1122	54	2.01	-1.39
J907	322	3.76	2.75	J1122	58	2.91	-1.35
J907	324	3.03	1.76	J1122	60	2.69	-1.39
J907	326	4.17	2.91	J1122	62	1.81	-1.66
J907	328	3.17	3.99	J1122	64	0.59	-0.94
J907	330	2.66	3.95	J1122	66	0.54	-0.74
J907	332	3.18	2.12	J1122	68	0.87	-1.96
J907	334	2.90	1.27	J1122	70	-0.05	-1.48
J907	336	1.81	3.69	J1122	73	0.14	-1.13
J907	338	2.30	4.29	J1122	75	0.08	-1.19
				J1122	77	0.53	-1.82
J1222	30.9	2.65	-3.27	J1122	79	0.26	-1.64
J1222	31.4	3.57	-2.92	J1122	83	0.43	-2.86
J1222	31.8	3.36	-2.55	J1122	85	1.61	-2.42
J1222	32.2	2.14	-3.47	J1122	87	1.62	-0.20
J1222	39.3	2.37	-4.50	J1122	89	1.89	-0.99
J1222	39.9	2.68	-4.20	J1122	91	1.16	-0.57
J1222	45.7	2.62	-4.48	J1122	93	0.03	-0.17
J1222	59.7	4.04	-0.87	J1122	95	-1.98	-2.17
J1222	60.6	3.51	-1.05	J1122	97	-5.61	-2.89
J1222	63.2	3.82	-0.22	J1122	99	-4.34	-1.87
J1222	62.1	3.39	0.14	J1122	101	-2.35	-4.36
J1222	64.3	3.37	-0.89	J1122	103	-0.96	-5.18
J1222	65.2	3.60	-0.23	J1122	105	-1.08	-3.85
J1222	65.7	3.08	0.48	J1122	107	-4.34	-1.84
J1222	66.1	-0.80	-5.76	J1122	114	-0.84	-3.99
J1222	66.2	0.21	-0.64	J1122	116	-0.27	-4.86
J1222	67	0.63	0.20	J1122	118	0.53	-4.62
J1222	69.1	2.11	0.00	J1122	120	0.98	-5.73
J1222	70.8	3.69	0.98	J1122	122	1.22	-4.46
J1222	72.9	2.84	-0.06	J1122	124	1.69	-2.57
J1222	74.9	3.83	0.22	J1122	126	2.36	-3.15
J1222	77.3	2.84	-2.04				
J1222	77.4	3.46	0.03	J1223	37.7	3.84	-1.43
J1222	81.1	3.13	-0.51	J1223	38.8	4.01	-0.34
J1222	83.1	3.23	-1.25	J1223	39.8	2.33	-0.66
J1222	85	3.02	-2.98	J1223	40.9	1.12	0.88
J1222	86.9	3.08	-2.09	J1223	43.2	-3.44	-4.00
J1222	89.6	2.81	-0.81	J1223	46.3	-2.70	-1.73
J1222	92.1	1.97	0.24	J1223	48.3	0.20	-0.66
J1222	94	1.49	-1.69	J1223	51.4	-2.84	2.51
J1222	96	1.66	-0.35	J1223	53.8	0.05	1.17
J1222	98.6	1.66	-0.38	J1223	56.3	1.17	-0.17
J1222	100	1.24	-1.16	J1223	59.1	1.16	1.43
J1222	104.3	1.22	-0.63	J1223	59.7	1.85	1.60
J1222	109.2	1.59	-1.81	J1223	62.3	1.80	-0.42
J1222	110.1	2.15	-1.36	J1223	65.1	1.63	0.91
J1222	111.3	2.00	-0.41	J1223	76	0.38	-1.73
J1222	112.7	1.90	-1.49	J1223	78.1	1.74	-0.62
J1222	113.3	2.44	-1.93	J1223	80	1.23	-1.09
J1222	116.2	-1.20	-0.47	J1223	82.2	2.63	-0.16
J1222	118	0.70	-0.62	J1223	84.3	1.37	-0.28

J1222	120.5	2.18	0.45	J1223	86.1	0.96	2.35
J1222	122	2.26	0.91	J1223	88.2	1.87	-1.03
J1222	123.5	2.61	1.67	J1223	90	0.97	-1.18
J1222	125.5	-2.86	1.17	J1223	92.2	1.31	2.13
J1222	126.9	0.54	-2.67	J1223	94.4	1.47	1.65
J1222	130.1	1.35	-4.17	J1223	96.9	1.30	0.75
J1222	130.2	2.17	-2.65	J1223	99	2.21	0.26
J1222	134	1.79	-4.04	J1223	101.1	2.24	-2.86
J1222	136.1	2.25	-2.27	J1223	105.6	0.73	-3.30
J1222	138.4	2.31	-2.13	J1223	107.2	0.90	-3.78
J1222	139.9	2.38	-1.16	J1223	110.1	1.34	-4.10
J1222	142	2.29	-0.71	J1223	112.1	0.45	-5.28
J1222	146.2	1.91	-1.20	J1223	94	0.35	-3.23
J1222	147.1	0.88	1.19	J1223	117.3	0.67	-1.91
J1222	150.4	1.40	0.19	J1223	121.1	-0.03	-1.72
J1222	153.3	1.90	-0.66	J1223	124.1	0.41	-2.90
J1222	156.5	1.88	-0.14	J1223	128.6	-0.57	-3.00
J1222	158.2	2.22	-1.46	J1223	129.8	-1.18	-3.66
J1222	160	2.49	-0.53	J1223	132.1	-0.25	-2.94
J1222	162.1	1.82	0.05	J1223	134.3	0.77	-3.85
J1222	164.2	2.28	-0.25	J1223	136	2.00	-0.96
J1222	166	2.14	-1.28	J1223	136	1.94	-0.94
J1222	168	2.09	-1.75	J1223	137.5	0.43	0.81
J1222	169.3	2.57	-0.94	J1223	139.5	1.68	-0.90
J1222	172.8	2.23	-1.95	J1223	141.6	0.60	-0.33
J1222	175.1	1.32	-3.70	J1223	143.5	-0.11	1.65
J1222	177	0.37	-2.40				
J1222	178.5	-0.42	-4.29	J1019	27.7	0.53	-8.62
J1222	179	-0.22	-3.63	J1019	29.4	1.48	-7.34
J1222	191.5	-0.06	0.07	J1019	30.0	1.73	-6.77
J1222	194.5	-0.03	-1.57	J1019	31.4	-0.88	-11.37
J1222	196.2	-0.06	-0.98	J1019	37.3	0.36	-5.38
J1222	198	0.01	-0.63	J1019	37.7	0.84	-3.28
J1222	200	-0.20	-1.98	J1019	38.3	0.65	-6.59
J1222	202	-0.25	-1.56	J1019	39.1	0.44	-8.31
J1222	205	0.27	-0.39	J1019	39.6	0.98	-7.17
J1222	207.2	0.32	0.59	J1019	40.0	1.63	-5.02
J1222	208.1	1.23	1.97	J1019	40.5	1.20	-4.40
J1222	211.2	0.70	1.95	J1019	41.0	0.25	-2.28
J1222	212.9	0.27	1.50	J1019	79.6	4.25	-0.24
J1222	214.8	0.25	2.26	J1019	81.0	1.54	0.68
J1222	217.1	-0.04	0.81	J1019	82.0	4.06	1.34
J1222	218.9	-1.10	-0.65	J1019	83.0	4.55	-0.09
J1222	219.8	1.04	-2.03	J1019	84.0	4.76	1.37
J1222	221.2	0.74	2.52	J1019	85.0	4.76	1.13
J1222	225.1	-1.84	-0.21	J1019	86.0	4.70	-0.75
J1222	227.4	-0.21	-0.45	J1019	87.0	4.74	-1.65
J1222	229.9	-0.33	-3.86	J1019	88.0	4.99	-0.20
J1222	234.3	-1.63	-4.23	J1019	89.0	4.72	-0.67
J1222	232.1	-1.32	-4.47	J1019	90.0	4.83	0.82
J1222	235.4	-1.22	-3.79	J1019	91.0	4.46	0.65
J1222	237.4	-0.79	-2.80	J1019	92.0	2.74	-0.99
J1222	239.6	-1.62	-1.42	J1019	96.0	2.74	-3.21
J1222	240.6	-1.48	-4.50	J1019	97.0	2.84	-3.78
J1222	242.7	-1.80	-3.27	J1019	98.0	2.53	-4.97

J1222	248.6	-1.06	-2.93	J1019	99.0	3.08	-3.25
J1222	250.7	-0.54	-3.22	J1019	100.0	2.99	-3.42
J1222	253.7	-0.67	-4.03	J1019	101.0	3.01	-3.05
J1222	255.5	-0.82	-2.72	J1019	103.0	2.93	-3.41
J1222	257.6	-0.26	-3.35	J1019	104.0	2.88	-3.20
J1222	259.8	-0.79	-2.29	J1019	105.0	2.49	-2.87
J1222	261.9	-0.77	-1.94	J1019	106.0	3.21	-5.55
J1222	264.9	-0.78	-1.51	J1019	107.0	2.61	-5.02
J1222	269	-0.05	-3.14	J1019	109.0	3.47	-4.26
J1222	271.2	-0.70	-2.66	J1019	110.0	3.35	-3.85
J1222	275.1	-0.03	-3.64	J1019	112.5	2.92	-3.10
J1222	280.6	-0.64	-1.54	J1019	116.0	2.95	-3.26
J1222	282.4	-1.13	-4.22	J1019	117.0	2.92	-3.34
J1222	286.7	-0.72	-3.47	J1019	118.0	2.91	-3.08
J1222	287.8	-0.56	-3.12	J1019	119.0	3.30	-2.52
J1222	290.2	-0.28	-3.88	J1019	120.0	3.09	-2.33
J1222	293.3	-0.52	-5.90	J1019	122.0	2.07	-2.80
J1222	294.4	0.14	-5.66	J1019	123.0	2.53	-2.50
J1222	296.5	0.20	-4.00	J1019	124.0	2.95	-5.60
J1222	304.2	-1.37	-2.31	J1019	127.0	3.12	-5.72
J1222	306.7	-1.50	-2.19	J1019	128.0	2.50	-3.83
J1222	311.2	0.26	-2.83	J1019	129.4	2.11	-6.80
J1222	314	1.95	-1.06	J1019	130.4	1.45	-3.30
J1222	316.3	-0.37	-3.26	J1019	131.0	2.75	-5.44
J1222	321.6	0.38	1.17	J1019	132.0	1.39	-3.22
J1222	323.7	1.81	2.02	J1019	133.0	0.97	-2.60
J1222	325.9	0.35	1.33	J1019	134.0	1.36	-2.62
J1222	327.5	1.94	1.89	J1019	135.0	1.80	-4.04
J1222	330.6	2.09	3.84	J1019	137.0	1.32	-2.31
J1222	332.5	1.85	1.43	J1019	140.0	4.14	1.98
J1222	335	3.20	3.08	J1019	141.0	3.51	0.66
J1222	337.3	3.05	1.18	J1019	142.0	3.41	1.62
J1222	339.2	1.80	2.66	J1019	145.0	1.09	0.06
J1222	343.4	3.80	3.40	J1019	147.0	1.25	-3.83
J1222	346.2	3.11	3.80	J1019	151.0	1.62	-0.22
J1222	349.3	3.39	2.77	J1019	156.0	3.26	0.48
J1222	352.3	1.47	1.80	J1019	157.0	2.31	-0.29
J1222	354.4	2.64	2.14	J1019	158.0	3.18	-1.25
J1222	360.5	1.72	1.75	J1019	159.0	3.20	-1.04
J1222	362.6	1.86	0.63	J1019	163.0	2.48	-0.35
J1222	365.3	3.63	3.71	J1019	164.0	3.40	0.18
J1222	367.6	3.06	3.75	J1019	165.0	2.07	-0.05
J1222	372.7	3.01	1.77	J1019	173.0	3.64	-0.48
J1222	374.5	2.46	2.53	J1019	175.0	3.18	0.53
J1222	378.4	3.27	1.66	J1019	185.0	2.38	1.81
J1222	381.4	2.19	0.46	J1019	190.0	1.98	1.16
J1222	383.4	1.42	2.72	J1019	192.0	-0.92	1.74
J1222	385.6	3.11	0.38	J1019	194.0	-0.04	-0.07
J1222	388.5	2.70	0.43	J1019	196.0	0.22	-0.45
J1222	392.1	2.67	3.03	J1019	198.0	1.57	-0.92
J1222	394.5	2.26	-1.42	J1019	200.0	0.85	-1.34
J1222	396.5	2.96	1.80	J1019	202.0	1.54	-1.88
J1222	398.5	0.94	-1.13	J1019	204.0	1.77	-1.81
J1222	400.6	3.58	1.27	J1019	206.0	2.14	-1.79
J1222	404.4	2.87	1.90	J1019	208.0	2.29	-0.60

J1222	406.5	2.43	2.58	J1019	210.0	2.17	-1.39
J1222	408.5	2.81	1.82	J1019	212.0	0.94	-1.63
J1222	410.6	2.78	1.93	J1019	214.0	2.22	-1.33
J1222	412.4	2.54	2.07	J1019	216.0	0.05	1.17
J1222	412.9	1.01	-0.65	J1019	218.0	-0.52	-0.91
J1222	414.8	1.52	-1.12	J1019	220.0	-2.23	0.78
				J1019	222.0	0.26	-0.90
F928	6	3.19	-0.83	J1019	224.0	1.23	-2.68
F928	8	3.68	0.34	J1019	226.0	-0.14	-0.13
F928	10	3.66	0.34	J1019	228.0	-0.10	-0.26
F928	12	3.33	-0.66	J1019	232.0	0.21	-0.58
F928	14	3.28	-1.58	J1019	234.0	1.54	-6.80
F928	16	3.16	-1.74	J1019	236.0	1.17	-7.37
F928	18	3.55	-1.17	J1019	238.0	0.28	-4.88
F928	20	3.90	-0.67	J1019	240.0	0.28	-1.01
F928	22	3.29	-1.84	J1019	242.0	-2.35	-2.85
F928	24	3.13	-1.92	J1019	244.0	1.01	-3.94
F928	28	3.52	-1.20	J1019	248.0	2.55	-4.28
F928	28	3.52	-1.76	J1019	250.0	1.81	-2.91
F928	30	3.75	-0.82	J1019	252.0	1.90	-6.21

F928	32	3.18	-3.28	J1019	254.0	2.40	-8.18
F928	34	3.50	-0.85	J1019	258.0	3.34	-4.46
F928	36	3.66	1.69	J1019	260.0	2.99	0.89
F928	38	3.26	-0.74	J1019	262.0	4.03	-1.71
F928	40	3.91	-0.13	J1019	264.0	4.21	-3.16
F928	42	3.27	0.85	J1019	266.0	5.77	-2.13
F928	46	3.05	-1.21	J1019	268.0	2.85	-6.77
F928	50	2.81	-2.12	J1019	269.0	2.62	-6.77
F928	54	2.85	-3.56	J1019	275.0	2.76	-4.62
F928	58	3.16	-2.03	J1019	279.0	1.81	-5.17
F928	62	3.07	-2.02	J1019	283.0	2.63	-4.79
F928	66	2.78	-0.05	J1019	287.0	1.96	-4.42
F928	70	3.17	-1.44	J1019	291.0	2.74	-4.65
F928	74	3.05	0.62	J1019	295.0	1.84	-4.66
F928	78	3.81	-0.86	J1019	299.0	2.62	-1.20
F928	82	3.25	1.73	J1019	303.0	-0.27	0.79
F928	88	4.27	0.77	J1019	307.0	1.35	-1.01
F928	92	3.65	-0.69	J1019	311.0	0.82	-2.02
F928	96	3.71	2.32	J1019	315.0	2.79	0.45
F928	100	4.75	2.35	J1019	323.0	1.89	-0.50
F928	104	4.39	2.23	J1019	327.0	1.83	-5.17
F928	108	4.92	2.73	J1019	331.0	3.30	1.82
F928	112	4.98	-0.49	J1019	333.0	2.88	1.69
F928	116	4.32	1.27	J1019	337.0	3.58	1.86
F928	120	4.48	1.08	J1019	341.0	3.36	0.94
F928	124	3.94	2.66	J1019	345.0	2.89	1.30
F928	128	5.06	1.47	J1019	355.0	4.03	1.82
F928	130	4.84	3.18	J1019	365.0	4.00	0.03
F928	136	5.10	3.00	J1019	375.0	3.99	2.25
F928	140	4.79	-0.35	J1019	385.0	3.43	-1.80
F928	144	3.95	0.88	J1019	395.0	2.88	0.69
F928	148	4.51	0.28	J1019	405.0	2.97	0.75
F928	152	3.91	1.36	J1019	415.0	3.19	-0.57
F928	156	4.35	3.13	J1019	425.0	3.72	-0.30
F928	160	4.79	-1.48	J1019	429.0	3.59	-0.47
F928	164	3.65	2.89	J1019	433.0	3.70	0.11
F928	168	4.93	2.97	J1019	437.0	3.78	0.30
F928	172	4.66	2.43	J1019	441.0	3.63	0.79
F928	176	4.54	2.55	J1019	447.0	4.46	1.30
F928	180	4.63	2.62	J1019	451.0	4.08	-0.43
F928	184	4.78	1.04	J1019	455.0	3.91	0.92
F928	188	3.75	1.40	J1019	459.0	4.14	2.63
F928	192	4.57	2.33	J1019	463.0	3.95	0.64
F928	196	4.80	0.11	J1019	465.0	3.47	0.09
F928	200	3.96	-1.80	J1019	467.0	3.61	0.01
F928	204	4.00	1.18	J1019	471.0	3.75	1.87
F928	208	4.61	1.09				
F928	212	4.65	0.44				
F928	216	4.19	2.95				
F928	220	4.54	1.88				
F928	228	4.30	1.26				
F928	232	3.70	0.92				
F928	236	3.60	2.12				
F928	240	3.50	0.49				
F928	244	3.47	2.05				

F928	248	3.44	0.94
F928	256	3.23	2.43
F928	260	3.88	2.31
