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DIP LOG CALCULATIONS

COMPANY OREGON NATURAL GAS CORPORATION
WELL HOWARD JOHNSON 33-33
FIELD OLNEY GAS
COUNTY CLATSOP STATE OREGON

WELEX

A **Halliburton** Company

OREGON NATURAL GAS
HOWARD JOHNSON 53-53

OLNEY GAS FIELD

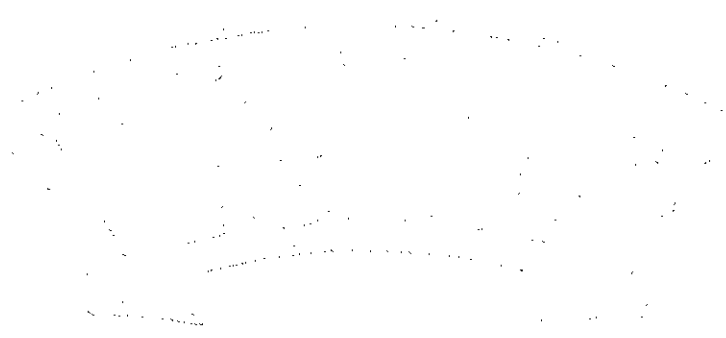
CLATSOP CO., OREGON

4" CORRELATION INTERVAL, 2" STEP 75 DEGREE SEARCH ANGLE

QUALITY COEFFICIENT 800=A 600=B 400=C 100=D

5" ALL QUALITY, 2" LIMITED QUALITY

COMPUTED AT WELIX A HALLIBURTON COMPANY, HOUSTON, TEXAS



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CORRELATION INTERVAL	CORR. GRADE	DIP ANG.	DIP AZ.	DRIFT ANG.	DRIFT AZ.	AZ. NO.	DIA 13	DIA 24	DISPLACEMENTS			
									H12	H13	H24	
1156.5	1157.5	D	2.1	347	1.5	153	56	10.5	11.4	-.50	-.10	.00
1160.5	1161.5	C	4.4	329	1.5	153	41	10.5	11.3	-.75	-.15	.57
1162.5	1163.5	B	3.3	357	1.5	152	36	10.6	11.8	-.30	-.35	.15
1174.5	1175.5	C	14.1	331	1.5	150	16	10.1	11.2	-1.70	-1.62	1.75
1176.5	1177.5	C	13.8	323	1.5	150	15	10.2	11.3	-1.55	-1.35	1.95
1180.5	1181.5	B	7.3	340	1.6	150	13	10.4	11.6	-.70	-.90	.60
1182.5	1183.5	A	9.1	341	1.6	150	13	10.5	11.5	-.75	-1.20	.75
1184.5	1185.5	A	17.5	5	1.6	150	13	10.4	11.2	-.95	-3.00	.50
1186.5	1187.5	B	7.3	53	1.6	150	14	10.1	11.0	-.25	-.80	-1.10
1188.5	1189.5	B	8.6	42	1.6	149	13	10.0	11.2	-.50	-1.10	-1.05
1198.5	1199.5	A	6.3	343	1.7	151	21	10.2	11.1	-.45	-.70	.50
1200.5	1201.5	A	5.1	331	1.7	151	21	10.1	11.0	-.60	-.40	.50
1202.5	1203.5	B	2.8	312	1.7	151	18	10.0	11.1	-.55	.00	.25
1204.5	1205.5	C	38.2	167	1.7	151	14	10.0	11.3	6.75	7.35	-4.40
1206.5	1209.5	B	6.8	338	1.7	150	8	9.8	11.3	-.65	-.75	.45
1210.5	1211.5	A	6.0	324	1.7	150	5	9.9	11.4	-.60	-.65	.70
1212.5	1213.5	A	6.0	1	1.7	150	2	9.9	11.4	-.40	-.60	-.15
1214.5	1215.5	A	6.1	359	1.7	150	2	9.8	11.3	-.50	-.60	-.10
1216.5	1217.5	C	4.9	334	1.7	150	3	9.7	11.3	-.65	-.55	.20
1218.5	1219.5	B	3.0	316	1.7	150	4	9.8	11.4	-.35	-.10	.25
1220.5	1221.5	B	1.8	324	1.7	150	5	10.0	11.3	-.32	.00	.05
1226.5	1227.5	B	10.8	297	1.7	150	360	9.6	11.0	-1.40	-.60	1.70
1228.5	1229.5	A	9.6	299	1.7	150	354	9.9	11.2	-1.10	-.70	1.40
1234.5	1235.5	C	4.0	334	1.7	150	344	10.2	11.2	-.42	-.42	.05
1236.5	1237.5	C	12.1	332	1.7	150	342	10.2	11.3	-.68	-1.85	.35
1238.5	1239.5	B	11.0	335	1.7	150	342	10.2	11.4	-.65	-1.65	.17
1240.5	1241.5	B	7.5	337	1.8	150	344	9.9	11.4	-.55	-1.00	.10
1246.5	1247.5	B	6.8	340	1.7	150	343	9.4	10.6	-.65	-.90	.20
1248.5	1249.5	B	6.8	345	1.7	150	337	9.1	10.5	-.25	-.80	.20
1250.5	1251.5	B	6.7	340	1.8	150	333	9.1	10.7	-.05	-.90	.20
1252.5	1253.5	B	6.3	340	1.8	150	336	9.2	11.2	-.15	-.25	.60
1254.5	1255.5	B	6.3	340	1.7	150	329	9.2	11.4	-.00	-1.40	-.15
1256.5	1257.5	A	8.0	354	1.7	150	329	9.2	11.2	-.85	-.90	-.65
1258.5	1259.5	A	6.3	345	1.7	150	328	9.2	11.0	-.15	-.70	-.35
1260.5	1261.5	A	4.8	322	1.7	150	317	9.2	10.7	.00	-.50	.00
1264.5	1265.5	B	3.9	1	1.8	149	299	9.4	10.3	.00	-.05	-.65
1266.5	1267.5	B	3.1	338	1.8	149	297	9.7	10.3	.05	-.15	-.20
1268.5	1269.5	B	16.6	300	1.8	149	296	9.9	10.4	-.70	-2.70	-.05
1270.5	1271.5	A	21.4	304	1.8	149	296	10.1	10.4	-.80	-3.60	-.40
1278.5	1279.5	B	5.4	45	1.7	149	294	10.4	10.4	1.55	.60	-.75
1286.5	1287.5	B	1.7	1	1.8	149	292	10.7	10.4	-.20	.15	-.10
1288.5	1289.5	B	6.8	33	1.8	148	290	11.0	10.3	.00	.55	-1.00
1298.5	1299.5	B	11.3	6	1.8	148	288	11.4	9.6	-.20	-.20	-1.72
1318.5	1319.5	B	14.8	14	1.7	146	278	13.4	9.0	.60	.60	-2.15
1322.5	1323.5	A	16.2	255	1.7	146	276	15.2	8.6	-2.95	-3.80	1.10
1328.5	1329.5	B	33.4	304	1.7	146	276	15.7	8.4	-3.85	-8.65	-2.40
1352.5	1353.5	A	10.2	333	1.7	145	274	16.6	8.5	-1.10	-1.40	-1.10
1360.5	1361.5	B	10.6	351	1.7	145	274	19.3	8.8	.45	-.47	-1.40
1362.5	1363.5	A	7.3	346	1.7	145	274	19.3	8.6	.35	-.42	-.85
1364.5	1365.5	B	8.4	12	1.7	146	275	19.3	6.6	.40	.70	-1.05
1366.5	1367.5	A	16.7	23	1.7	146	276	19.4	9.0	3.30	2.50	-2.30
1402.5	1403.5	B	5.1	175	1.7	153	276	19.5	9.3	.02	.65	1.05
1404.5	1405.5	A	2.1	96	1.6	154	275	19.5	9.6	.50	1.00	.20
1406.5	1407.5	B	12.2	360	1.6	154	273	19.5	9.7	1.90	.05	-1.85
1408.5	1409.5	B	12.0	348	1.6	155	271	19.5	9.4	.70	-.70	-1.70

CORRELATION INTERVAL	CURR. GRADE	DIP ANG.	DIP AZ.	DREF ANG.	DREF AZ.	AZ. NO.1	DIA 13	DIA 24	DISPLACEMENTS			
									H12	H15	H24	
1410.5	1411.5	A	10.4	355	1.5	155	271	19.5	9.5	-.10	-.10	-1.50
1440.5	1441.5	A	5.9	294	1.3	165	258	19.5	10.2	.30	-1.60	-.40
1448.5	1449.5	B	9.2	128	1.2	168	245	19.5	9.1	-.20	1.35	1.50
1456.5	1451.5	C	.2	150	1.1	169	246	19.5	8.6	.40	-.05	.20
1452.5	1453.5	C	4.0	46	1.1	170	246	19.5	8.3	.38	1.20	-.05
1484.5	1485.5	C	13.5	304	1.0	185	239	19.5	8.4	-.30	-2.15	-1.70
1488.5	1489.5	C	19.7	30	1.1	185	239	19.5	8.0	5.53	5.85	-1.50
1490.5	1491.5	D	10.8	324	1.2	186	239	19.5	8.4	.32	-.60	-1.45
1500.5	1501.5	D	67.1	308	1.3	187	244	19.5	9.5	-.65	-19.85	-19.55
1528.5	1529.5	B	4.0	283	1.6	192	234	19.5	8.8	-.50	-1.50	-.50
1554.5	1555.5	C	31.6	35	1.9	194	242	19.5	8.3	9.50	14.50	-5.10
1566.5	1567.5	B	13.9	335	2.3	195	243	19.1	8.3	-.20	-.35	-1.80
1568.5	1569.5	A	9.4	339	2.3	195	243	19.0	8.2	.00	-.20	-1.10
1562.5	1583.5	B	7.0	243	2.5	198	241	19.2	7.9	-1.50	-5.00	.20
1634.5	1635.5	B	36.8	126	4.5	202	244	19.5	8.2	.20	13.05	11.85
1640.5	1641.5	D	72.2	342	4.9	203	243	19.5	8.2	10.60	6.80	-20.60
1682.5	1683.5	D	50.2	352	6.5	203	267	19.5	8.4	1.95	-2.75	-8.20
1696.5	1697.5	B	5.7	64	6.9	203	269	19.5	8.7	.00	.60	.60
1734.5	1735.5	C	25.2	157	7.9	203	262	19.5	10.6	-3.52	1.05	6.40
1754.5	1755.5	D	36.1	276	9.0	204	274	19.5	8.9	-9.50	-15.90	1.10
1756.5	1757.5	D	47.2	276	9.1	203	276	19.5	9.1	-13.30	-23.40	1.40
1784.5	1785.5	B	12.1	274	10.2	203	289	19.5	8.4	-2.50	-4.35	2.00
1786.5	1787.5	B	12.1	253	10.4	203	290	19.5	8.7	-2.70	-3.60	2.60
1804.5	1805.5	A	6.6	186	11.1	204	289	19.5	9.0	-1.70	.20	2.85
1810.5	1817.5	B	17.2	331	12.2	206	260	18.4	7.9	-2.50	-4.20	-.90
1832.5	1833.5	A	10.4	114	13.0	209	236	13.2	9.6	-2.40	-1.40	2.50
1834.5	1835.5	B	8.6	99	13.1	209	235	13.0	10.3	-2.35	-1.30	2.10
1858.5	1859.5	B	20.8	297	14.6	212	201	9.1	10.6	1.20	0.00	4.80
1860.5	1861.5	B	26.3	282	14.8	213	203	9.1	10.6	2.00	2.50	6.10
1878.5	1875.5	B	35.9	200	15.0	212	196	9.8	12.9	1.15	3.20	-4.90
1878.5	1875.5	B	35.9	200	15.0	212	196	9.8	13.4	3.20	3.50	-5.60
1878.5	1877.5	B	31.0	15.0	212	197	9.9	13.7	2.00	-1.15	-5.35	
1880.5	1881.5	A	17.3	306	15.0	211	194	9.8	13.9	1.80	-1.52	-5.25
1912.5	1913.5	A	12.2	295	15.9	214	196	10.1	13.1	.40	-2.42	-4.10
1926.5	1927.5	B	11.6	175	15.6	214	196	9.9	14.4	-0.30	-6.90	1.00
1942.5	1943.5	B	13.1	293	15.7	215	205	10.3	12.8	1.00	-3.00	-5.10
1946.5	1947.5	D	67.6	61	15.7	215	205	10.2	12.9	.30	10.65	11.55
1960.5	1961.5	C	49.9	163	15.9	213	197	10.3	14.1	-13.50	-16.60	11.20
1962.5	1963.5	C	53.8	152	15.9	214	196	10.1	14.1	-15.55	-15.60	15.50
1972.5	1973.5	C	21.0	317	16.0	215	198	10.3	13.9	3.25	-.85	-5.65
1974.5	1975.5	A	19.3	291	16.0	214	198	10.4	13.6	1.85	-2.70	-6.20
1976.5	1977.5	A	19.3	293	16.0	215	200	10.5	13.5	1.70	-2.55	-6.10
1982.5	1983.5	B	20.8	304	16.0	216	204	10.6	12.9	.80	-2.50	-5.00
2004.5	2005.5	C	37.4	220	16.1	214	211	9.3	10.3	-6.10	-12.40	-1.65
2022.5	2023.5	C	52.6	263	16.1	213	212	10.5	9.2	-1.78	-15.50	-12.75
2026.5	2027.5	A	15.5	306	16.1	212	199	10.7	9.7	-.05	-2.10	-3.30
2028.5	2029.5	A	12.9	300	16.0	212	193	10.6	10.0	-.05	-2.10	-3.20
2030.5	2031.5	C	16.2	256	16.0	212	183	10.2	10.5	.60	-3.60	-4.70
2036.5	2037.5	B	10.1	346	15.9	213	168	9.8	11.6	.20	-.20	-2.55
2040.5	2041.5	C	14.7	317	15.9	213	169	9.9	11.7	1.20	.25	-3.95
2124.5	2125.5	B	5.2	209	16.4	212	11	9.5	9.5	1.48	5.51	1.25
2128.5	2129.5	B	10.9	286	16.4	212	10	9.4	9.2	-1.40	2.25	4.40
2130.5	2131.5	B	16.3	292	16.4	212	7	9.4	9.3	-1.15	1.80	5.95
2140.5	2141.5	B	17.7	296	16.4	212	2	9.4	9.6	-.72	1.13	4.55
2142.5	2143.5	B	16.1	274	16.4	212	359	9.4	9.6	-.65	2.15	4.55

CORRELATION INTERVAL	CORR. GRADE	DIP ANG.	DIP AZ.	DRIFT ANG.	DRIFT AZ.	AZ. NO.1	DIA 13	DIA 24	DISPLACEMENTS			
									H12	H13	H24	
2144.5	2145.5	C	15.0	272	16.4	212	358	9.5	9.6	-1.72	2.10	4.40
2146.5	2147.5	C	24.7	239	16.4	212	356	9.2	9.5	-1.95	4.76	6.30
2154.5	2155.5	A	26.5	293	16.5	213	342	9.2	9.8	-4.05	-1.50	6.20
2156.5	2157.5	C	18.0	236	16.4	213	339	9.2	9.9	-2.40	2.40	6.16
2166.5	2169.5	C	15.6	344	16.2	212	345	9.1	10.1	-1.75	-1.75	2.15
2136.5	2137.5	C	19.3	293	16.2	213	342	9.0	9.9	-2.55	-1.55	5.05
2220.5	2221.5	A	17.4	291	16.1	213	343	9.0	10.7	-3.20	-1.18	5.20
2222.5	2223.5	A	16.8	292	16.1	213	343	9.1	11.1	-1.95	-1.10	5.20
2226.5	2227.5	C	14.9	288	16.0	213	343	9.2	11.6	-1.95	1.25	5.25
2236.5	2237.5	A	8.1	35	16.1	213	343	9.0	11.6	-1.65	1.80	1.25
2238.5	2239.5	C	31.5	273	16.1	213	343	9.0	11.8	-5.50	-1.50	10.50
2246.5	2249.5	C	18.0	309	16.3	213	337	8.9	12.0	-3.46	-1.20	4.80
2250.5	2251.5	A	18.0	295	16.3	213	337	8.8	12.0	-3.45	-1.60	5.70
2260.5	2261.5	C	19.1	300	16.4	213	334	8.8	12.1	-2.85	-1.35	5.50
2262.5	2263.5	A	20.4	284	16.3	213	334	8.9	12.3	-3.65	-1.95	6.95
2264.5	2265.5	A	18.3	276	16.3	213	333	8.9	12.4	-3.60	-1.50	6.90
2266.5	2267.5	A	22.9	280	16.3	213	333	8.8	12.5	-4.22	-1.20	7.90
2268.5	2269.5	C	22.8	284	16.2	213	331	8.9	12.7	-4.25	-1.50	7.60
2276.5	2277.5	C	15.6	294	16.0	213	327	9.0	14.2	-4.10	-1.18	6.00
2286.5	2287.5	A	40.1	339	15.8	213	327	9.8	15.6	-3.10	-6.30	1.45
2288.5	2289.5	A	30.9	341	15.8	212	326	10.3	15.1	-2.50	-4.50	1.50
2290.5	2291.5	A	15.8	297	15.8	212	321	11.2	14.4	-4.40	-2.05	5.60
2316.5	2317.5	C	18.2	198	16.1	214	344	9.2	13.9	1.00	4.65	6.20
2318.5	2319.5	A	3.7	179	16.2	214	346	9.2	13.8	-1.10	2.40	3.20
2334.5	2335.5	C	33.7	322	15.9	213	331	9.7	16.7	-8.80	-10.60	7.40
2356.5	2357.5	C	19.1	314	16.0	214	330	10.2	17.4	-4.75	-2.20	6.16
2380.5	2381.5	C	17.2	326	15.9	214	314	11.3	17.2	-3.45	-2.90	3.65
2436.5	2437.5	A	30.3	362	15.9	216	269	15.0	18.9	-16.70	-16.00	2.90
2438.5	2439.5	A	31.0	363	15.9	216	269	15.1	19.0	-11.00	-10.50	6.95
2468.5	2469.5	A	41.1	351	15.7	216	251	15.5	8.7	-18.00	-22.85	1.30
2487.5	2489.5	A	34.3	356	15.6	215	246	15.4	8.6	-14.15	-22.80	41.70
2540.5	2541.5	C	18.3	328	15.3	215	248	15.0	8.7	-18.50	15.65	5.90
2564.5	2565.5	C	20.1	290	15.3	215	238	15.1	8.9	-2.40	-7.55	-1.75
2566.5	2567.5	C	48.8	174	15.4	216	236	15.1	9.0	-14.20	-15.50	13.25
2616.5	2617.5	C	31.9	250	15.4	216	240	14.8	8.9	-6.85	-14.90	-1.05
2620.5	2621.5	C	24.4	271	15.3	217	241	14.7	8.8	-4.90	-10.52	-1.25
2652.5	2653.5	C	39.2	127	15.2	216	245	14.5	8.9	-2.96	8.60	14.90
2666.5	2667.5	C	45.1	65	15.2	217	246	14.5	8.9	4.87	6.95	1.68
2680.5	2681.5	A	29.5	332	15.3	217	239	14.8	8.9	1.95	-3.20	-4.00
2682.5	2683.5	A	15.7	301	15.3	218	239	14.7	8.8	-2.50	-5.80	-1.40
2704.5	2705.5	C	17.7	263	15.1	216	234	14.8	8.9	-3.80	-6.45	-1.75
2776.5	2777.5	A	19.9	286	15.1	216	231	15.2	8.8	-3.50	-7.40	-2.20
2778.5	2779.5	A	27.0	288	15.1	217	229	15.2	8.8	-2.60	-6.40	-3.65
2784.5	2785.5	C	11.2	8	15.1	217	235	15.3	8.8	-1.95	-1.80	-1.55
2790.5	2791.5	C	17.8	298	15.2	215	236	15.3	8.9	-3.10	-6.32	-1.60
2792.5	2793.5	C	19.0	314	15.2	215	234	15.3	8.9	-1.60	-4.76	-2.30
2822.5	2823.5	A	19.1	274	15.1	217	236	14.8	9.0	-4.00	-8.30	-1.25
2824.5	2825.5	A	19.0	273	15.1	216	237	14.8	9.0	-4.50	-8.20	-1.20
2834.5	2835.5	C	19.1	258	15.0	216	234	15.4	8.8	-5.15	-9.50	-1.55
2838.5	2839.5	C	6.7	282	15.0	216	230	15.4	8.8	-2.35	-5.20	-1.50
2840.5	2841.5	C	9.9	267	15.0	216	227	15.4	8.8	-3.00	-5.55	-1.95
2842.5	2843.5	C	19.3	296	15.1	217	226	15.4	8.8	-2.70	-6.16	-2.65
2844.5	2845.5	A	23.6	300	15.1	217	227	15.5	8.8	-1.70	-6.20	-3.50
2848.5	2849.5	C	31.0	330	15.1	217	232	15.9	9.2	1.20	-2.76	-4.70
2852.5	2853.5	A	17.6	272	15.1	216	235	16.1	9.2	-4.65	-8.60	-1.16

CORRELATION INTERVAL	CORR. GRADE	DIP ANG.	DIP AZ.	DREF ANG.	DREF AZ.	AZ. NO.1	DIA 13	DIA 24	DISPLACEMENTS			
									H12	H15	H24	
2854.5	2855.5	8	18.5	271	15.1	216	235	16.1	9.0	-4.50	-6.90	-1.10
2866.5	2869.5	0	51.2	256	15.0	216	229	15.8	8.9	-6.40	-14.50	-2.30
2892.5	2893.5	0	20.2	304	15.1	215	230	16.9	9.7	-1.90	-5.70	-2.90
2926.5	2925.5	0	24.2	302	15.0	217	221	16.0	10.8	-1.00	-5.50	-4.65
2932.5	2935.5	0	48.1	317	15.0	217	228	16.6	9.9	2.90	-4.65	-10.50
2946.5	2941.5	0	53.1	285	15.0	216	229	16.4	10.2	-2.30	-16.55	-12.80
2947.5	2945.5	0	16.5	301	15.0	216	227	16.3	10.2	-1.20	-5.90	-2.90
2948.5	2949.5	0	66.6	320	15.0	216	230	16.6	9.9	9.95	-5.90	-21.95
2950.5	2957.5	0	15.6	270	15.0	217	229	16.7	9.1	-4.00	-6.50	-1.25
2953.5	2959.5	0	36.0	132	15.0	217	229	16.7	9.5	-5.60	-2.90	7.50
2966.5	2967.5	0	15.3	300	15.0	216	226	16.6	9.0	-2.00	-5.70	-2.15
2972.5	2973.5	0	23.5	298	15.1	217	229	16.7	9.4	-.90	-7.20	-5.50
2996.5	2997.5	0	70.0	320	16.6	218	234	15.7	7.2	5.90	-7.10	-17.20
2998.5	2999.5	0	15.3	317	16.6	218	238	15.1	7.1	-1.75	-2.00	-1.25
3000.5	3001.5	0	21.5	318	16.6	218	243	14.1	7.1	-1.30	-5.25	-1.90
3004.5	3005.5	0	13.7	272	16.5	218	246	13.0	7.1	-4.00	-6.55	.17
3056.5	3057.5	0	64.5	116	15.9	219	284	10.3	10.7	5.40	-.55	-12.60
3058.5	3059.5	0	21.9	189	15.9	218	285	10.1	10.7	-4.65	-.60	7.90
3093.5	3099.5	0	74.5	37	16.0	219	278	10.4	10.6	9.70	6.55	-12.65
3106.5	3109.5	0	23.2	213	16.0	219	277	10.4	10.7	-6.50	-5.95	7.70
3120.5	3121.5	0	53.9	261	15.9	219	277	10.3	10.9	-10.16	-19.65	1.55
3134.5	3135.5	0	22.1	302	15.7	219	276	10.3	10.7	-2.30	-5.60	.50
3136.5	3139.5	0	36.8	242	15.6	219	275	10.6	10.7	-8.65	-10.10	6.70
3156.5	3157.5	0	68.5	11	15.8	219	276	10.1	11.0	6.55	-2.60	-16.50
3176.5	3177.5	0	23.1	310	15.9	219	277	10.1	11.2	-2.90	-5.50	.02
3178.5	3179.5	0	22.6	310	15.9	219	277	10.4	11.2	-5.00	-5.25	.05
3222.5	3223.5	0	39.3	320	15.8	220	279	10.0	11.2	-.75	-6.60	-4.10
3224.5	3225.5	0	39.3	320	15.8	220	279	10.0	11.1	1.10	-6.60	-4.10
3226.5	3227.5	0	39.3	320	15.8	220	279	10.0	11.1	1.10	-6.60	-4.10
327	327	0	41.2	319	15.8	219	279	10.8	11.9	-4.55	-4.55	0
331	331	0	76.0	319	15.8	219	279	10.8	11.9	-4.55	-4.55	0
334	334	0	39.3	320	15.8	220	279	10.0	11.2	-.75	-6.60	-4.10
3360.5	3361.5	0	62.3	303	15.4	222	207	10.3	8.8	9.60	-.45	-19.50
3394.5	3395.5	0	53.1	149	15.1	219	167	9.6	9.4	-15.10	-21.75	7.45
3404.5	3405.5	0	72.7	64	15.1	219	164	10.1	9.3	-6.95	2.15	15.43
3416.5	3417.5	0	40.1	259	15.1	218	156	10.1	9.2	6.23	.65	-11.95
3434.5	3435.5	0	44.1	236	15.0	219	149	11.9	10.3	6.05	-2.15	-17.10
3444.5	3445.5	0	64.6	22	14.9	220	156	13.4	10.3	.50	10.65	9.35
3456.5	3451.5	0	26.1	219	14.7	222	156	13.3	11.5	2.30	-5.00	-6.90
3526.5	3529.5	0	8.2	310	15.9	229	110	14.5	9.0	2.70	4.00	-1.62
3560.5	3561.5	0	17.6	51	17.7	231	75	15.5	11.7	.03	.04	.01
3584.5	3585.5	0	20.1	45	20.2	225	59	12.7	12.2	-.06	.03	.06
3586.5	3587.5	0	10.0	120	10.2	300	38	9.5	9.5	-.07	.02	.02