

This page is to keep track of:

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## Standards (ON-OFF)

Object	Correlator File	Elev	Comments
SMC B1	2009-06-15_2000-M300	47	clear
Ori KL	2009-06-15_2122-M300	22	clear, low el
N113	2009-06-16_0034-M300	51	clear
SMC B1	2009-06-16_1909-M300	45	clear
Ori KL	2009-06-17_0409-M300	49	partly cloudy
Ori KL	2009-06-17_0416-M300	47	includes CN
N113	2009-06-17_2129-M300	39	clear
Ori KL	2009-06-18_0436-M300	42	clear
SMC B1	2009-06-18_2045-M300	48	cloudy
Ori KL	2009-06-19_0407-M300	47	cloudy
N113	2009-06-20_0254-M300	50	partly cloudy
Ori KL	2009-06-20_0310-M300	57	overcast
N113	2009-06-22_0235-M300	50	cloudy
Ori KL	2009-06-22-0249-M300	59	cloudy
N113	2009-06-25_0258-M300	49	cloudy
Ori KL	2009-06-25-0314-M300	59	cloudy
N113	2009-06-26_0244-M300	49	cloudy

Ori KL	2009-06-26_0259-M300	55	cloudy
N113	2009-06-28_0202-M300	50	cloudy
Ori KL	2009-06-28_0252-M300	54	cloudy
SMC B1	2009-06-28_2107-M300	47	clear
N113	2009-07-16_2204-M300	50	clear
Ori KL	2009-07-16_2220-M300	57	clear
N113	2009-07-17_2314-M300	51	clear
Ori KL	2009-07-17_2328-M300	63	clear, maybe not ideal pointing as I had not much time for pointing refinement
N113	2009-07-18_2312-M300	52	clear
Ori KL	2009-07-18_2328-M300	65	clear, maybe not ideal pointing as I had not much time for pointing refinement
SMC B1	2009-07-20_1710-M300	45	clear
N113	2009-07-20_2234-M300	51	clear
Ori KL	2009-07-20_2250-M300	61	clear
N113	2009-07-24_1722-M300	30	attenuators might have changed during scan?
N113	2009-07-24_1739-M300	32	clear
N113	2009-07-24_1745-M300	32	clear
Ori KL	2009-07-24_2038-M300	44	M300-orionKL.sch
Ori KL	2009-07-24_2049-M300	46	M300-orion2.sch
N113	2009-07-25_1714-M300	30	cloudy and windy
Ori KL	2009-07-25_2112-M300	52	cloudy
N113	2009-07-26_1715-M300	31	some cloud
N113	2009-07-27_1950-M300	44	clear
N113	2009-07-28_1727-M300	32	clear
N113	2009-07-29_1757-M300	35	bit cloudy, emission line in 12CO SPD window
SMC B1	2009-08-17_1853-M300	46	Some wind, clear
N113	2009-08-18_0023-M300	53	clear

Ori KL	2009-08-18_0038-M300	43	clear
Ori KL	2009-08-18_0049-M300	41	clear
SMC B1	2009-08-18_1811-M300	49	clear
SMC B1	2009-08-19_1731-M300	48	garbage tsys > 1000K
Ori KL	2009-08-20_0027-M300	43	clear
SMC B1	2009-08-20_1736-M300	47	?
Ori KL	2009-08-20_2318-M300	55	cloudy
SMC B1	2009-08-21_1812-M300	47	Rotten weather , tsys ~900K
Ori KL	2009-08-21_2343-M300	52	cloudy
N113	2009-08-22_0113-M300	39	cloudy
Ori KL	2009-08-22_2332-M300	51	mostly cloudy
N113	2009-08-23_0124-M300	38	cloudy
SMC B1	2009-08-23_1726-M300	47	cloudy
Ori KL	2009-08-23_2300-M300	58	cloudy
N113	2009-08-24_2337-M300	46	windy
Ori KL	2009-08-24_2353-M300	~50	windy
SMC B1	2009-08-25_1712-M300	48	clear
N113	2009-08-25_2317-M300	~46	windy
Ori KL	2009-08-25_2333-M300	49	windy
Ori KL	2009-08-26_2311-M300	52	clear
N113	2009-08-26_2329-M300	~46	clear
N113	2009-08-27_1725-M300	47	clear
Ori KL	2009-08-27_2309-M300	52	clear
N113	2009-08-27_2330-M300	46	clear
Ori KL	2009-08-28_2250-M300	55	really, really bad weather.. tsys >2000
Ori KL	2009-08-29_1713-M300	31	?

Ori KL	2009-08-29_1720-M300	31	?
N113	2009-08-29_1742-M300	44	after bad weather, tsys~780K, but getting windy
N113	2009-08-29_2345-M300	44	after bad weather
SMC B1	2009-08-30_1723-M300	47	clear
Ori KL	2009-08-30_2259-M300	52	clear
N113	2009-08-30_2315-M300	46	clear
SMC B1	2009-08-31_1711-M300	47	clear
Ori KL	2009-08-31_2258-M300	51	clear
N113	2009-08-31_2316-M300	47	clear
SMC B1	2009-09-01_1704-M300	47	clear
Ori KL	2009-09-01_2254-M300	51	clear
N113	2009-09-01_2311-M300	46	clear
SMC B1	2009-09-07_1624-M300	47	clear
N113	2009-09-07_2202-M300	48	clear
Ori KL	2009-09-07_2219-M300	52	clear
SMC B1	2009-09-08_1624-M300	47	clear
N113	2009-09-08_2159-M300	49	clear
Ori KL	2009-09-08_2248-M300	47	clear
SMC B1	2009-09-09_1610-M300	48	clear
N113	2009-09-09_2146-M300	49	clear
Ori KL	2009-09-09_2253-M300	47	clear
SMC B1	2009-09-10_1626-M300	47	clear
N113	2009-09-10_2201-M300	48	clear
Ori KL	2009-09-10_2247-M300	47	clear
SMC B1	2009-09-11_1620-M300	47	clear
N113	2009-09-11_2244-M300	45	clear

Ori KL	2009-09-11_2256-M300	44	clear
SMC B1	2009-09-12_1632-M300	47	clear
N113	2009-09-12_2202-M300	47	clear
Ori KL	2009-09-12_2251-M300	44	clear
SMC B1	2009-09-13_1546-M300	48	
N113	2009-09-13_2121-M300	49	
Ori KL	2009-09-13_2252-M300	42	
SMC B1	2009-09-14_1531-M300	47	clear
N113	2009-09-14_1956-M300	51	warm, clouds, bumpy tsys
Ori KL	2009-09-14_2157-M300	52	warm, a few clouds
SMC B1	2009-09-16_1539-M300	40	warm, clear, should be good enough for the entire very stable night
N113	2009-09-17_2134-M300	48	warm, clear
SMC B1	2009-09-18_1537-M300	48	clear
N113	2009-09-18_2123-M300	48	clear
Ori KL shortcal	2009-09-18_2145-M300		clear
SMC B1	2009-09-19_1601-M300	47	clear, warm, should be good enough for the entire very stable night
SMC B1	2009-09-20_1745-M300	43	clear, warm
N113	2009-09-20_2043-M300	50	warm, thin clouds
N113	2009-09-21_1935-M300	51	warm, thin clouds
SMC B1	2009-09-21_1951-M300	37	warm, thick clouds
SMC B1	2009-09-23_1226_M300	44	almost clear
N113	2009-09-23_1556_M300	48	almost clear
N113	2009-09-23_2129_M300	47	clear
Ori KL shortcal	2009-09-23_2155-M300	45	clear
SMC B1	2009-09-24_1220-M300	44	clear
N113	2009-09-24_1852-M300	52	clear

Ori KL shortcal	2009-09-24_2139-M300	48	clear
Ori KL shortcal	2009-09-24_2148-M300	46	clear, had time so repeated pointing & standard!
SMC B1	2009-09-25_1112-M300	40	warm, patchy cloud
N113	2009-09-25_1904-M300	52	clear skies, but maybe getting dusty?
Ori KL shortcal	2009-09-25_2154-M300	44	dusty
SMC B1	2009-09-26_1116-M300	41	patchy cloud
N113	2009-09-26_1855-M300	52	clear
SMC B1	2009-09-27_1110-M300	41	clear
N113	2009-09-27_1944-M300	51	clear
Ori KL shortcal	2009-09-27_2150-M300	43	clear
SMC B1	2009-09-28_1141-M300	43	clear
SMC-dem140	2009-09-28_1256-M300	46	clear
N113	2009-09-28_1813-M300	52	clear
SMC B1	2009-09-29_1113-M300	41	clear
SMC-dem140	2009-09-29_1123-M300	41	clear
SMC-dem140	2009-09-29_1242-M300	45	clear
Ori KL shortcal	2009-09-29_2204-M300	39	clear

## Standards (OTF maps)

Object	Correlator File	Elev	Comments
N159E?_h	2009_06-19_0323-M300	49	puffy cloud, fluctuating Tsys
N159E?_v	2009-07-27_1955_M300	43	clear
N159E?_v	2009-08-22_0123-M300	41	cloudy
N159E?_v	2009-09-16_2150-M300	48	warm, clear, stopped after subscan 14

## Pointing Offsets

**16/06/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
U Men	2009-06-15_1727-M300	-5.5	2.6	171	28	start
U Men	2009-06-15_1731-M300	-6.5	-2.0	171	28	refinement
U Men	2009-06-15_1942-M300	n/a	n/a	170	33	failed
SVS_01835	2009-06-15_1948-M300	-16.5	0.7	173	31	better
SVS_01835	2009-06-15_1952-M300	-3.4	0.6	173	31	refinement
Orion_SiO	2009-06-15_2114-M300	7.7	10.2	85	19	before STD
Orion_SiO	2009-06-15_2118-M300	5.6	2.9	85	19	refinement
R Dor	2009-06-15_2130-M300	1.0	-3.4	148	44	before _2203
R Dor	2009-06-15_2317-M300	8.6	-4.6	159	55	before _2321
R Dor	2009-06-16_0040-M300	-10.0	-6.6	175	59	before _0048
R Dor	2009-06-16_0043-M300	-1.7	-0.3	175	59	refinement
R Dor	2009-06-16_0206-M300	-0.8	2.0	194	57	before _0212
R Dor	2009-06-16_0447-M300	-4.5	5.1	213	43	after _0329

**17/06/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
SVS_01835	2009-06-16_1736-M300	-6.2	6.7	174	28	weak
SVS_01835	2009-06-16_1739-M300	7.4	-1.6	174	28	weak
SVS_01835	2009-06-16_1743-M300	n/a	n/a	173	28	failed
SVS_01835	2009-06-16_1746-M300	-5.3	-9.4	173	28	weak
U Men	2009-06-16_1750-M300	n/a	n/a	170	29	failed
SVS_01835	2009-06-16_1851-M300	n/a	n/a	173	30	failed
SVS_01835	2009-06-16_1855-M300	7.1	-1.0	173	30	weak
SVS_01835	2009-06-16_1859-M300	n/a	n/a	173	30	failed

X Pav	2009-06-16_1903-M300	-9.7	-1.2	170	33	good
SVS_01835	2009-06-16_2020-M300	-1.7	-5.3	173	33	weak but maybe ok
R Dor	2009-06-16_2122-M300	-21.2	12.7	148	43	before _2130
R Dor	2009-06-16_2126-M300	1.7	5.1	148	43	refinement
R Dor	2009-06-16_2242-M300	7.0	-0.7	154	52	before _2247
R Dor	2009-06-17_0000-M300	1.2	-3.9	167	58	before _0005
R Dor	2009-06-17_0118-M300	-3.7	-1.7	184	59	not applied
R Dor	2009-06-17_0238-M300	-2.5	1.2	201	55	not applied
Orion_SiO	2009-06-17_0401-M300	10.7	6.2	304	50	before STD
Orion_SiO	2009-06-17_0404-M300	2.6	2.0	304	50	refinement

### 18/06/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
X Pav	2009-06-17_1734-M402	-11.8	-3.4	196	59	start
X Pav	2009-06-17_1738-M402	-2.7	1.6	196	59	refinement
SVS_01835	2009-06-17_1747-M402	-12.9	17.2	174	29	big change!
SVS_01835	2009-06-17_1751-M402	-4.0	-5.4	174	29	before _1756
SVS_01835	2009-06-17_1852-M300	-0.5	-6.3	173	31	before _1856
SVS_01835	2009-06-17_1951-M300	-2.2	-0.6	173	32	not applied
R Dor	2009-06-17_2124-M300	3.1	1.4	149	45	before _2129, _2135
R Dor	2009-06-17_2247-M300	10.4	-0.1	156	53	solar heating?
R Dor	2009-06-17_2250-M300	3.9	-1.0	156	53	refinement
R Dor	2009-06-18_0007-M300	-3.2	-5.4	170	58	before _0012
R Dor	2009-06-18_0126-M300	-6.9	0.4	187	59	patchy cloud
R Dor	2009-06-18_0240-M300	-1.4	4.1	201	55	before _0244
Orion_SiO	2009-06-18_0428-M300	11.4	6.3	297	45	before STD



Orion_SiO	2009-06-18_0432-M300	2.7	-1.1	297	45	refinement
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### 19/06/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
X Pav	2009-06-18_1658-M300	-17.8	-1.2	188	61	start
X Pav	2009-06-18_1701-M300	-4.1	0.7	188	61	refinement
SVS_01835	2009-06-18_1706-M300	-17.3	2.8	174	28	point8
SVS_01835	2009-06-18_1710-M300	0.2	-1.6	174	28	point16, not applied
SVS_01835	2009-06-18_1855-M300	1.3	-3.0	173	31	light wind
SVS_01835	2009-06-18_2039-M300	1.9	-0.2	174	33	not applied
R Dor	2009-06-18_2056-M300	5.7	3.7	148	42	before _2100
R Dor	2009-06-18_2213-M300	8.9	-1.6	152	50	before _2218
R Dor	2009-06-18_2331-M300	0.8	-3.0	163	57	before _2335
R Dor	2009-06-19_0049-M300	1.4	-0.2	180	59	not applied
R Dor	2009-06-19_0206-M300	0.0	0.9	196	57	not applied
Orion_SiO	2009-06-19_0359-M300	10.3	3.0	303	50	before STD
Orion_SiO	2009-06-19_0402-M300	8.4	2.9	303	50	refinement

### 20/06/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R Dor	2009-06-19_2256-M300	-14.4	-5.5	158	54	start
R Dor	2009-06-19_2259-M300	-2.5	1.5	158	54	refinement
R Dor	2009-06-20_0020-M300	-1.8	-9.5	174	59	before _0025
R Dor	2009-06-20_0137-M300	-5.3	1.1	192	58	before _0142
Orion_SiO	2009-06-20_0303-M300	19.8	2.7	321	58	before STD
Orion_SiO	2009-06-20_0306-M300	2.7	1.0	321	58	refinement

**21/06/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
R Dor	2009-06-20_2314-M402	-1.9	1.1	162	56	before _2322
R Dor	2009-06-21_0036-M300	0.6	-4.8	179	59	before _0041
R Dor	2009-06-21_0154-M300	3.1	-3.5	195	57	before _0158

**22/06/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
R Dor	2009-06-21_1706-M402	-15.58	6.83	153	18	setup
R Dor	2009-06-21_1711-M402	-14.56	7.49	153	18	refinement
R Dor	2009-06-21_1714-M402	-3.81	1.63	153	18	refinement before _1722
R Dor	2009-06-21_1840-M300	7.61	-1.86	156	28	before _1847
R Dor	2009-06-21_2000-M300	5.99	3.38	147	37	before _2004
R Dor	2009-06-21_2118-M300	6.15	-2.33	149	46	before _2122
R Dor	2009-06-21_2235-M300	4.31	0.55	158	51	before _2240
R Dor	2009-06-21_2352-M300	-4.70	-5.24	170	60	before _2358
R Dor	2009-06-22_0111-M300	-0.04	-4.95	180	60	before _0116
R Dor	2009-06-22_0231(?) -M300	0.78	3.71	190	55	before N113 STD
Ori <a href="#">SiO?</a>	2009-06-22_0244-M300	13.5	3.17	324	59	before Ori KL STD

**23/06/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
SVS -1835	2009-06-22_1721-M403	-5.49	-0.90	150	29	setup
SVS -1835	2009-06-22_1813-M300	-1.00	1.96	172	30	before _1819
SVS -1835	2009-06-22_1942-M300	-0.27	1.35	173	31	before _1953
R Dor	2009-06-22_2037-M300	5.22	3.01	147	41	before _2042

R Dor	2009-06-22_2206-M300	12.98	-5.13	153	51	before _2210
R Dor	2009-06-22_2325-M300	5.47	-4.32	164	57	before _2210
R Dor	2009-06-23_0040-M300	-5.83	-7.27	181	59	before _0044
R Dor	2009-06-23_0158-M300	-5.35	0.09	198	57	before _0202

### 24/06/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
SVS -1835	2009-06-23_1710-M403	-5.75	-2.91	174	29	setup
SVS -1835	2009-06-23_1846-M300	-5.01	-1.06	173	31	before _1852
R Dor	2009-06-23_2027-M300	1.00	4.62	146	41	before _2030
R Dor	2009-06-23_2226-M300	1.81	-1.01	162	47	after a few attempts, recovering from a storm
R Dor	2009-06-23_2352-M300	3.65	-12.46	170	55	before _2352
R Dor	2009-06-24_0105-M300	-3.12	-1.38	188	59	before _0109

### 25/06/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
SVS -1835	2009-06-24_1704-M403	-8.06	-4.24	174	28	setup
SVS -1835	2009-06-24_1846-M300	-2.55	-0.95	173	31	before _1852
R Dor	2009-06-24_2019-M300	0.02	3.14	146	40	before _2024
R Dor	2009-06-24_2137-M300	7.63	2.29	150	49	before _2142
R Dor	2009-06-24_2255-M300	2.74	-1.40	161	56	before _2300
R Dor	2009-06-25_0013-M300	1.82	-6.29	177	60	before _0018
R Dor	2009-06-25_0135-M300	0.94	-6.05	195	57	before _0140
R Dor	2009-06-25_0254-M300	0.11	1.57	-153	51	before _0258 STD
Ori <a href="#">SiO?</a>	2009-06-25_0307-M300	19.73	6.22	311	54	
Ori <a href="#">SiO?</a>	2009-06-25_0310-M300	-0.20	0.25	311	54	refinement before _0314 STD

**26/06/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
SVS -1835	2009-06-25_1802-M403	-18.96	4.54	-186	30	setup
SVS -1835	2009-06-25_1807-M300	-8.57	1.60	-186	30	refinement
SVS -1835	2009-06-25_1811-M300	-0.72	-0.83	-186	30	refinement, before _1820
SVS -1835	2009-06-25_1945-M300	-4.92	2.74	-187	33	before _1951
R Dor	2009-06-25_2125-M300	6.37	4.45	151	48	before _2129
R Dor	2009-06-25_2243-M300	9.88	-6.11	160	55	
R Dor	2009-06-25_2243-M300	1.32	-2.41	160	55	refinement, before _2251
R Dor	2009-06-26_0002-M300	-7.04	-4.84	176	59	before _0007
R Dor	2009-06-26_0121-M300	-5.78	-0.39	193	58	before_0125
R Dor	2009-06-26_0239-M300	0.14	-2.37	206	52	before_0244 STD
Ori <a href="#">SiO?</a>	2009-06-26_0252-M300	21.56	3.87	315	56	
Ori <a href="#">SiO?</a>	2009-06-26_0255-M300	6.39	-0.18	315	56	refinement before _0259 STD

**27/06/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
SVS -1835	2009-06-27_1810-M400	-15.67	6.38	-187	30	refinement in
SVS -1835	2009-06-27_2006-M300	-1.9	2.26	-187	34	applied
R Dor	2009-06-27_2147-M300	4.67	5.02	153	51	applied
R Dor	2009-06-27_2306-M300	5.73	-2.61	165	57	applied
R Dor	2009-06-28_0038-M300	2.62	-7.8	186	59	applied
R Dor	2009-06-28_0157-M300	4.58	-1.9	201	54	applied
Orion <a href="#">SiO?</a>	2009-06-28-0244-M300	24.31	2.91	300	56	refined at 0247

**28/06/09 (AEST)**

SVS -1835	2009-06-28_1804-M300	-18.84	5.22	-187	30	refinement in 1810 (offsets -6.6 , 2.24)
SVS -1835	2009-06-28_1956-M300	-10.24	-0.57	-186	33	applied
SVS -1835	2009-06-28_2101-M300	0.45	3.13	-186	35	applied

### 29/06/09 (AEST)

SVS -1835	2009-06-29_1806-M300	-19.32	2.67	-187	30	refinement in 1811 (offsets -4.7 , 4.9)
SVS -1835	2009-06-29_-M300			-186	33	applied
SVS -1835	2009-06-29_-M300			-186	35	applied

### 17/07/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
SVS_01835	2009-07-16_1656-M300	-14.9	4.5	-187	30	breezy
SVS_01835	2009-07-16_1701-M300	-2.8	0.7	-187	30	refinement
R Dor	2009-07-16_1811-M300	1.4	3.5	147	35	before _1816
R Dor	2009-07-16_1928-M300	8.3	0.4	148	44	before _1932
R Dor	2009-07-16_2045-M300	1.3	1.0	155	52	before _2050
Orion_SiO	2009-07-16_2212-M300	14.4	-0.1	49	54	long slew
Orion_SiO	2009-07-16_2216-M300	6.4	1.7	49	54	refinement

### 18/07/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
SVS_01835	2009-07-17_1649-M397	-7.41	2.67	173	30	after pointing model reset
SVS_01835	2009-07-17_1654-M397	-3.80	-0.68	-186	31	before _1702
R Dor	2009-07-17_1753-M300	-1.46	7.08	146	34	before _1759
R Dor	2009-07-17_1911-M300	10.62	3.79	148	43	
R Dor	2009-07-17_1915-M300	3.89	-1.77	148	43	refinement, before _1919

R Dor	2009-07-17_2033-M300	2.65	2.10	154	52	before _2037
R Dor	2009-07-17_2310-M300	-2.03	-9.56	-176	59	before _2314 STD
Orion <a href="#">SiO?</a>	2009-07-17_2324-M300	20.19	-0.37	16	63	before _2328 STD

### 19/07/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
SVS_01835	2009-07-18_1646-M397	-9.56	3.2	173	30	after pointing model reset, before _1655
R Dor	2009-07-18_1747-M300	-13.17	9.54	146	34	after pointing model reset
R Dor	2009-07-18_1750-M300	-1.82	1.10	146	34	refinement, before _1755
R Dor	2009-07-18_1908-M300	6.03	0.17	147	43	before _1913
R Dor	2009-07-18_2026-M300	6.60	1.17	153	52	before _2031
R Dor	2009-07-18_2147-M300	4.89	-3.19	166	57	before _2152
R Dor	2009-07-18_2308-M300	2.56	-8.43	183	59	before _2312 STD
Ori <a href="#">SiO?</a>	2009-07-18_2321-M300	21.49	-6.04	17	63	
Ori <a href="#">SiO?</a>	2009-07-18_2324-M300	11.21	4.06	17	63	refinement, before _2328 STD

### 20/07/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
X Pav	2009-07-19_1644-M300	-12.3	-4.4	209	53	clear
SVS_01835	2009-07-19_1649-M300	-17.0	19.8	173	31	note large change
SVS_01835	2009-07-19_1654-M300	-3.1	-9.0	173	31	refinement
R Dor	2009-07-19_1800-M300	-6.4	0.2	147	36	before _1805
R Dor	2009-07-19_1917-M300	7.0	-0.1	148	45	before _1922,_2035,_2148

### 21/07/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
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X Pav	2009-07-20_1611-M300	-17.6	-2.9	205	56	clear
SVS_01835	2009-07-20_1616-M300	-17.4	8.2	173	29	note large change
SVS_01835	2009-07-20_1621-M300	-1.8	-0.4	173	30	refinement
R Dor	2009-07-20_1719-M300	-1.0	-0.5	147	31	before _1724
R Dor	2009-07-20_1836-M300	7.5	1.2	147	40	before _1840, _1954
R Dor	2009-07-20_2108-M300	6.1	-0.3	160	56	before _2117
Orion_SiO	2009-07-20_2243-M300	15.7	6.5	32	61	long slew
Orion_SiO	2009-07-20_2246-M300	3.5	1.9	30	60	refinement

### 25/07/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R Dor	2009-07-24_1710-M408	-11.8	5.1	147	32	after long slew
R Dor	2009-07-24_1714-M300	-2.4	-0.4	147	33	refinement
R Dor	2009-07-24_1903-M300	5.3	0.2	149	45	after _1750
R Dor	2009-07-24_1907-M300	2.2	-1.7	149	46	refinement
Orion	2009-07-24_2028-M300	?	?	67	40	after long slew, for Ori KL standard
Orion	2009-07-24_2031-M300	?	?	67	41	refinement, before _2038

### 26/07/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R Dor	2009-07-25_1700-M300	-19.1	4.4	147	31	after stow, windy & cloudy
R Dor	2009-07-25_1703-M300	-13.0	3.5	147	32	refinement, windy & cloudy
R Dor	2009-07-25_1707-M300	-2.2	2.4	147	32	refinement, windy & cloudy, before _1722
R Dor	2009-07-25_1835-M300	10.8	0.3	148	43	still cloudy
R Dor	2009-07-25_1838-M300	3.0	-0.5	148	43	refinement, before _1846
SVS_01835	2009-07-25_2000-M300	-9.3	-5.2	175	36	slew to SMC

SVS_01835	2009-07-25_2005-M300	-1.6	2.6	176	36	refinement, before _2015
Orion	2009-07-25_2103-M300	25.4	3.1	59	48	long slew for Ori KL standard
Orion	2009-07-25_2106-M300	-1.6	2.6	176	36	refinement, before _2112

### 27/07/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R Dor	2009-07-26_1708-M300	-7.9	3.9	147	33	after long slew
R Dor	2009-07-26_1711-M300	2.1	2.1	147	33	refinement before _1715, _1722

### 28/07/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
X Pav	2009-07-27_1700-M300	6.8	0.8	-147	47	after long slew, windy
X Pav	2009-07-27_1705-M300	5.3	0.5	-147	47	refinement,
SVS_01835	2009-07-27_1710-M300	-10.2	2.0	-187	32	slew from X Pav
SVS_01835	2009-07-27_1718-M300	-1.1	0.0	-187	32	refinement, before _1729
R Dor	2009-07-27_1800-M300	-1.2	8.1	147	42	after very long slew
R Dor	2009-07-27_1823-M300	-0.5	-1.3	148	42	refinement before _1829
R Dor	2009-07-27_1942-M300	6.4	1.2	153	51	
R Dor	2009-07-27_1945-M300	2.2	0.8	153	51	refinement, before _1950

### 29/07/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R Dor	2009-07-28_1718-M300	-15.9	6.1	147	35	after very long slew
R Dor	2009-07-28_1721-M300	-3.1	2.1	147	35	refinement, before _1727
R Dor	2009-07-28_1850-M300	1.2	0.7	149	45	before _1900

### 30/07/09 (AEST)



Object	Correlator File	dx	dz	Azim	Elev	Comments
R Dor	2009-07-29_1748-M300	-9.6	6.0	147	39	after very long slew
R Dor	2009-07-29_1751-M300	-2.0	1.8	147	39	refinement, before _1757
R Dor	2009-07-29_1915-M300	2.4	0.6	151	49	refinement, before _1920

### 18/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
SVS-01835	2009-08-17_1529-M300	-19.44	-3.45		32	Start of run (pnt32)
SVS-01835	2009-08-17_1537-M300	-5.53	-2.71		32	refinement (pnt 16)
SVS-01835	2009-08-17_1642-M300	-1.55	-0.08	-187	33	(pnt 16)
SVS-01835	2009-08-17_1746-M300	1.35	4.09	-185.5	35	(pnt 16)
R_Oct	2009-08-17_1848-M300	2.62	1.71	-183.4	34	(pnt 8) - better maser?
R Dor	2009-08-17_1905-M300	7.3	1.3	158	55	windy
R Dor	2009-08-17_2025-M300	-0.3	-5.6	173	59	
R Dor	2009-08-17_2142-M300	1.96	-4.2	-169	58	
R Dor	2009-08-17_2257-M300	-3.8	-1.8	-156	53	
R Dor	2009-08-18_0015-M300	5.79	-18.73	-164	44	
R Dor	2009-08-18_0018-M300	0.1	-0.3	-164	44	refinement
Orion_SiO	2009-08-18_0031-M300	15.7	11.6	-63	44	after long slew
Orion_SiO	2009-08-18_0034-M300	3.3	8.8	-63	44	refinement
Orion_SiO	2009-08-18_0044-M300	-0.5	7.6	-63	44	

### 19/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-18_1503-M300	-15.5	17.36	-184	31	start of run (pnt8)
R_Oct	2009-08-18_1507-M300	-1.17	-1.54	-184	31	refinement (pnt8)

SVS-01835	2009-08-18_1703-M300	-4.89	-0.93				check compare masers... (pnt16)
R_Oct	2009-08-18_1805-M300	1.2	7	3.95	-183	33	R_oct is faster (pnt8)
R Dor	2009-08-18_1938-M300	10.9	-3.7	-195	57		
R Dor	2009-08-18_1942-M300	3.3	-0.1	-195	57		refinement
R Dor	2009-08-18_2059-M300	3.8	-5.7	-178	59		
R Dor	2009-08-18_2219-M300	-2.8	-3.7	-161	56		
R Dor	2009-08-18_2339-M300	-7.6	-7.6	-150	49		

### 20/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-19_1430-M300	-16.87	11.09	-185	30	start of run (pnt8)
R_Oct	2009-08-19_1433-M300	-1.28	-1.32	-185	30	refinement (pnt8)
R_Oct	2009-08-19_1631-M300	-3.73	-0.26	-185	32	(pnt8)
R_Oct	2009-08-19_1749-M300	5.48	1.03	-177	48	unwrapped! (pnt8)
R Dor	2009-08-19_1906-M300	5.2	-2.9	159	55	
R Dor	2009-08-19_2024-M300	3.8	-7.8	175	59	
R Dor	2009-08-19_2142-M300	2.6	-4.8	193	58	
R Dor	2009-08-19_2300-M300	1.1	-4.9	198	52	
Orion_SiO	2009-08-20_0020-M300	14.6	4.3	297	45	long slew
Orion_SiO	2009-08-20_0023-M300	3.6	2.0	297	45	refinement

### 21/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-20_1435-M300	-20.2	0.25	-185	30	start of run (pnt8)
R_Oct	2009-08-20_1438-M300	-6.75	5.4	-185	30	refinement (pnt8)
R_Oct	2009-08-20_1634-M300	7.28	0.05	-188	47	(pnt8)

R_Dor	2009-08-20_1756-M300	6.9	0.35	-152	49	long slew; unwrapped!(pnt8)
R_Dor	2009-08-20_1914-M300	5.44	-2.55	161	56	
R_Dor	2009-08-20_2032-M300	1.36	-1.68	178	59	
R_Dor	2009-08-20_2150-M300	6.6	-7.1	184	57	
Orion_SiO	2009-08-20_2310-M300	20.2	2.2	316	56	long slew
Orion_SiO	2009-08-20_2314-M300	5.1	0.9	315	56	refinement
R_Dor	2009-08-20_2326-M300	-16.7	-7.4	208	49	long slew
R_Dor	2009-08-20_2330-M300	5.1	0.9	208	49	refinement
R_Dor	2009-08-21_0048-M300	-8.42	3.73	199	40	

### 22/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-21_1453-M300	-15.81	1.44	175	31	start of run (pnt8)
R_Oct	2009-08-21_1456-M300	-2.34	5.86	175	31	refinement (pnt8)
R_Oct	2009-08-21_1600-M300	-6.4	2.47	178	45	(pnt8)
R_Oct	2009-08-21_1806-M300	0.39	0.92	176	24	(pnt8)
R_Dor	2009-08-21_1938-M300	11.1	0.1	167	58	
R_Dor	2009-08-21_1941-M300	2.8	-1.0	167	58	refinement
R_Dor	2009-08-21_2059-M300	2.4	-2.3	176	50	
R_Dor	2009-08-21_2217-M300	3.0	-1.1	201	56	
R_Dor	2009-08-21_2336-M300	22.3	-0.4	307	52	long slew
R_Dor	2009-08-21_2339-M300	2.33	-0.14	307	52	refinement
R_Dor	2009-08-21_2351-M300	-13.0	-2.27	211	47	long slew
R_Dor	2009-08-21_2354-M300	-3.55	-1.28	211	46	refinement

### 23/08/09 (AEST)

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Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-22_1439-M300	1.5	-0.28	176	31	start of run (pnt8) - poor signal, repeat
R_Oct	2009-08-22_1449-M300	3.53	0.8	176	31	(pnt8)
R_Dor	2009-08-22_1810-M300	8.71	-0.07	154	52	after stow
R_Dor	2009-08-22_1928-M300	6.63	-0.19	166	57	
R_Dor	2009-08-22_2053-M300	6.25	-6.46	184	60	
R_Dor	2009-08-22_2057-M300	2.54	-4.54	199	56	
Orion_SiO	2009-08-22_2324-M300	12.57	-1.34	308	53	long slew
Orion_SiO	2009-08-22_2328-M300	9.44	-2.35	308	53	refinement
R_Dor	2009-08-22_2340-M300	-7.95	-1.27	200	47	long slew
R_Dor	2009-08-23_0114-M300	-14.86	5.30	213	36	
R_Dor	2009-08-23_0118-M300	-3.7	-0.68	213	36	refinement

#### 24/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-23_1359-M300	0.2	6.17	176	30	start of run (pnt8)
R_Oct	2009-08-23_1626-M300	-4.33	4.09	176	32	(pnt8)
R_Dor	2009-08-23_1737-M300	7.59	-0.58	151	49	v. cloudy - need to repeat(pnt8)
R_Dor	2009-08-23_1742-M300	2.6	0.43	151	49	v. cloudy (pnt8)
R_Dor	2009-08-23_1900-M300	-4.62	-3.31	162	51	
R_Dor	2009-08-23_2017-M300	1.63	1.81	177	59	
R_Dor	2009-08-23_2133-M300	1.48	-2.66	182	53	
Orion_SiO	2009-08-23_2252-M300	22.35	-1.12	319	58	long slew
Orion_SiO	2009-08-23_2255-M300	0.92	-0.95	319	58	refinement
R_Dor	2009-08-23_2308-M300	-13.90	-1.48	208	50	long slew
R_Dor	2009-08-23_2312-M300	-6.28	-1.50	208	50	refinement

**25/08/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Dor	2009-08-24_1837-M300	-1.28	8.84	156	55	point 8 - oops, forgot to apply....
R_Dor	2009-08-24_1841-M300	-0.28	6.3	156	55	point 8
R_Dor	2009-08-24_2050-M300	-12.3	-4.43	188	59	After a few wind stows... windy.
R_Dor	2009-08-24_2100-M300	-0.79	0.21	188	59	point 8
R_Dor	2009-08-24_22244-M300	6.06	-4.58			point 8
Orion_SiO	2009-08-24_2345-M300	14.44	13.1	301	47	long slew
Orion_SiO	2009-08-24_2348-M300	7.58	0.22	301	47	refinement

**26/08/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-25_1401-M300	-4.58	1.77	176	30	after M327
R_Oct	2009-08-25_1406-M300	-0.40	1.52	176	30	refinement
R_Oct	2009-08-25_1604-M300	-7.51	3.04	176	32	after _1508 and _1412
R_Oct	2009-08-25_1604-M300	0.90	1.75	176	32	refinement, before _1612
R_Oct	2009-08-25_1707-M300	2.63	-2.25	176	33	before _1712 (standard)
R_Dor	2009-08-25_1722-M300	6.37	-3.26	150	48	start LMC
R_Dor	2009-08-25_1725-M300	3.40	1.30	150	48	refinement, before _1733
R_Dor	2009-08-25_1844-M300	1.36	-1.47	160	55	before _1850
R_Dor	2009-08-25_2030-M300	-9.08	-11.48	182	59	before _2042
R_Dor	2009-08-25_2036-M300	2.27	4.61	182	59	refinement before _2042
R_Dor	2009-08-25_2156-M300	1.23	0.78	200	56	before _2201
R_Dor	2009-08-25_2315-M300	0.33	-2.98	208	49	before _2317
Orion-KL	2009-08-25_2325-M300	28.89	6.71	305	50	long slew befor std _2233
Orion-KL	2009-08-25_2329-M300	28.89	6.71	305	50	refinement befor std _2233

R_Dor	2009-08-25_2340-M300	-15.17	8.26	212	46	long slew before _2348
R_Dor	2009-08-25_2344-M300	-4.41	1.31	212	46	refinement before _2348

### 27/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-26_1401-M327	1.21	7.12	176	30	after M327, note wrong project ID
R_Oct	2009-08-26_1407-M300	0.92	2.87	176	30	refinement, before _1417
R_Oct	2009-08-26_1514-M300	-9.76	-2.51	176	31	after _1417, ACC crashed at end of point scan
R_Oct	2009-08-26_1623-M300	-8.17	1.03	176	32	after ACC crash
R_Oct	2009-08-26_1626-M300	-1.45	-1.61	176	32	refinement, before _1633
R_Dor	2009-08-26_1729-M300	8.57	-0.67	151	49	switch to LMC
R_Dor	2009-08-26_1732-M300	4.81	-0.64	152	49	refinement, before _1738
R_Dor	2009-08-26_1732-M300	1.91	-1.56	162	56	before _1853
R_Dor	2009-08-26_2011-M300	-1.28	-3.14	178	60	before _2016
R_Dor	2009-08-26_2139-M300	3.27	-6.29	197	56	before _1853
Orion-KL	2009-08-26_2300-M300	24.53	-0.1	311	54	long slew befor std _2311
Orion-KL	2009-08-26_2306-M300	2.75	-0.03	311	54	refinement befor std _2311
R_Dor	2009-08-26_2319-M300	-13.81	-5.17	211	47	before _2329
R_Dor	2009-08-26_2324-M300	-8.02	0.17	211	47	before _2329

### 28/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Dor	2009-08-27_1404-M300	-4.85	2.77	149	26	after M327, pointed on R Dor by mistake
R_Oct	2009-08-27_1409-M300	-2.57	6.73	176	30	refinement
R_Oct	2009-08-27_1412-M300	-0.05	0.21	176	30	before _1419
R_Oct	2009-08-27_1514-M300	-7.59	-2.89	175	31	

R_Oct	2009-08-27_1518-M300	-0.58	-0.86	175	31	refinement, before_1522
R_Oct	2009-08-27_1619-M300	2.38	3.31	176	32	before_1624
R_Oct	2009-08-27_1720-M300	3.10	-2.72	176	33	before SMCB1, _1725
R_Dor	2009-08-27_1735-M300	9.87	-1.01	152	50	switch to LMC
R_Dor	2009-08-27_1739-M300	3.43	0.79	152	50	refinement, before_1744
R_Dor	2009-08-27_1856-M300	-0.17	0.34	164	57	before_1901
R_Dor	2009-08-27_2015-M300	0.26	-4.48	180	~56	before_2015
R_Dor	2009-08-27_2136-M300	4.86	-3.67	197	56	before_2141
Orion-KL	2009-08-27_2301-M300	19.19	-0.08	310	53	long slew befor std_2309
Orion-KL	2009-08-27_2305-M300	7.04	3.67	310	53	refinement befor std_2309
R_Dor	2009-08-27_2318-M300	-7.53	0.33	210	47	before_2330 - seems too small.
R_Dor	2009-08-27_2322-M300	-7.20	-1.88	210	47	before_2330 - still seems too small
R_Dor	2009-08-27_2326-M300	-2.82	-1.44	210	47	before_2330 - okay, whatever.
R_Dor	2009-08-28_0052-M300	-11.13	0.45	213	36	before_0101 - strangly large
R_Dor	2009-08-28_0056-M300	-2.35	0.82	213	36	refinement before_0101

### 29/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-28_1403-M300	1.27	6.05	176	30	after M327, cloudy, stowed due to Tsys>3000K in 12CO
R_Oct	2009-08-28_1446-M300	-12.74	0.19	176	31	after stow, cloudy
R_Oct	2009-08-28_1451-M300	-2.4	-0.62	176	31	refinement, before_1500
R_Oct	2009-08-28_1555-M300	-0.76	-0.58	176	32	cloudy, before stow for bad weather
R_Dor	2009-08-28_1953-M300	-6.35	-3.28	176	59	cloudy after stow
R_Dor	2009-08-28_1957-M300	0.87	-0.69	176	59	refinement, before_2003
R_Dor	2009-08-28_2116-M300	8.85	-4.92	176	58	before_2122
Orion-KL	2009-08-28_2238-M300	24.98	2.35	310	56	long slew before std_2250

Orion-KL	2009-08-28_2242-M300	9.33	-0.14	310	56	refinement before std _2250
Orion-KL	2009-08-28_2245-M300	-0.03	-1.32	310	56	refinement before std _2250
R_Dor	2009-08-28_2258-M300	-21.87	-4.17	176	49	before std _2307
R_Dor	2009-08-28_2302-M300	-1.87	1.36	176	49	refinement, std _2307

### 30/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Dor	2009-08-29_1729-M300	7.30	-2.69	153	50	after stow
R_Dor	2009-08-29_1734-M300	3.64	0.02	153	51	refinement, before _1742
R_Dor	2009-08-29_1807-M300	-5.58	1.93	157	54	after wind stow, still windy
R_Dor	2009-08-29_1810-M300	-1.84	4.22	157	54	refinement, before _1814
R_Dor	2009-08-29_2054-M300	8.48	-8.49	191	57	nasty weather...

### 31/08/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-30_1406-M300	1.95	6.41	176	30	start
R_Oct	2009-08-30_1519-M300	-10.9	-0.6	176	32	after _1422
R_Oct	2009-08-30_1523-M300	-1.9	-0.4	176	32	refinement, before _1527
R_Oct	2009-08-30_1622-M300	1.4	-1.9	176	33	before _1627
R_Dor	2009-08-30_1733-M300	8.1	0.7	153	51	before _1738
R_Dor	2009-08-30_1852-M300	3.49	-1.17	164	57	before _1856
R_Dor	2009-08-30_2010-M300	0.85	-2.89	184	60	before _2015
R_Dor	2009-08-30_2129-M300	8.86	-6.67	198	56	before _2135
Orion-KL	2009-08-30_2251-M300	11.49	2.02	309	53	long slew before std _2259
Orion-KL	2009-08-30_2254-M300	9.15	2.10	309	53	refinement before std _2259
R_Dor	2009-08-30_2307-M300	-13.46	-2.68	210	47	before std _2314



R_Dor	2009-08-30_2310-M300	-7.43	-1.09	176	49	refinement, std _2314
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### 1/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-08-31_1359-M300	1.69	6.53	176	30	start
R_Oct	2009-08-31_1403-M300	1.06	1.14	176	30	refinement, before _1409
R_Oct	2009-08-31_1505-M300	-10.05	-0.74	176	31	after _1409
R_Oct	2009-08-31_1508-M300	-0.84	-1.69	176	32	refinement, before _1512
R_Oct	2009-08-31_1607-M300	1.01	2.69	176	32	before _1611
R_Oct	2009-08-31_1707-M300	3.55	-2.54	176	33	before _1711
R_Dor	2009-08-31_1730-M300	9.04	-1.38	153	51	switch to LMC, long slew
R_Dor	2009-08-31_1733-M300	4.71	-0.70	154	51	refinement, before _1738
R_Dor	2009-08-31_1850-M300	1.28	-0.70	165	57	before _1855
R_Dor	2009-08-31_2011-M300	0.96	-5	182	59	before _2016
R_Dor	2009-08-31_2128-M300	3.37	-3.57	199	56	before _2133
Orion-KL	2009-08-31_2251-M300	11.89	4.6	308	52	long slew before std _2259
Orion-KL	2009-08-31_2254-M300	7.18	0.53	308	52	refinement before std _2259
R_Dor	2009-08-31_2307-M300	-10.36	-1.22	210	47	before std _2315
R_Dor	2009-08-31_2311-M300	-7.33	-3.49	210	47	refinement, std _2315

### 2/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-01_1349-M300	-0.83	10.31	176	30	start
R_Oct	2009-09-01_1353-M300	-0.68	1.96	176	30	refinement, before _1359
R_Oct	2009-09-01_1455-M300	-7.95	-3.05	176	31	
R_Oct	2009-09-01_1458-M300	-1.47	-2.23	176	31	refinement, before _1502

R_Oct	2009-09-01_1558-M300	0.13	2.60	176	32	before _1602
R_Oct	2009-09-01_1657-M300	2.55	-1.46	176	33	before _1704
R_Dor	2009-09-01_1714-M300	9.98	3.25	152	50	switch to LMC
R_Dor	2009-09-01_1717-M300	6.21	-1.61	152	50	refinement
R_Dor	2009-09-01_1720-M300	5.94	-0.44	152	50	refinement, before _1727
R_Dor	2009-09-01_1839-M300	-1.45	-3.90	164	57	before _1844
R_Dor	2009-09-01_1959-M300	1.14	-3.12	181	59	before _2003
R_Dor	2009-09-01_2119-M300	6.79	-6.84	198	57	before _2124
Orion-KL	2009-09-01_2246-M300	23.22	5.14	308	52	long slew before std _2354
Orion-KL	2009-09-01_2350-M300	2.98	2.12	308	52	refinement before std _2354
R_Dor	2009-09-01_2303-M300	-19.92	-1.48	211	47	before std _2311
R_Dor	2009-09-01_2307-M300	-5.23	-2.8	211	47	refinement, std _2311

#### 7/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-07_1305-M300	-12.95	12.63	176	30	start
R_Oct	2009-09-07_1308-M300	-1.98	2.88	176	30	refinement, before _1318
R_Oct	2009-09-07_1414-M300	-7.78	-0.37	176	31	
R_Oct	2009-09-07_1417-M300	-1.01	-1.06	176	31	refinement, before _1422
R_Oct	2009-09-07_1518-M300	-0.08	2.75	176	32	refinement, before _1522
R_Oct	2009-09-07_1619-M300	-0.7	-0.24	176	33	
R_Dor	2009-09-07_1642-M300	7.52	-0.39	160	45	
R_Dor	2009-09-07_1801-M300	4.6	-0.7	160	47	
R_Dor	2009-09-07_1920-M300	0.42	-5.1	177	59	
R_Dor	2009-09-07_2038-M300	-0.18	-5.1	194	57	
R_Dor	2009-09-07_2157-M300	5.32	-3.8	207	51	

Orion_SiO	2009-09-07_2215-M300	-4.07	2.46	31	74
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### 8/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-08_1305-M300	-11.72	24.96	176	30	start
R_Oct	2009-09-08_1308-M300	-5.88	-3.04	176	30	refinement
R_Oct	2009-09-08_1312-M300	-3.86	-1.69	176	30	refinement, before _1317
R_Oct	2009-09-08_1413-M300	-3.88	-5.02	176	31	
R_Oct	2009-09-08_1416-M300	-0.70	-1.20	176	31	refinement, before _1420
R_Oct	2009-09-08_1516-M300	1.48	2.77	176	32	before _1520
R_Oct	2009-09-08_1616-M300	0.9	-1.5	176	33	
R_Dor	2009-09-08_1634-M300	5.5	1.2	151	48	
R_Dor	2009-09-08_1758-M300	3.1	-0.4	161	56	
R_Dor	2009-09-08_1917-M300	1.0	-3.4	177	59	
R_Dor	2009-09-08_2036-M300	1.96	-4.7	194	57	
R_Dor	2009-09-08_2155-M300	6.29	-5.93	207	51	
Orion_SiO	2009-09-08_2237-M300	9.4	2.8	304	50	

### 9/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-09_1257-M300	-13.02	11.23	176	30	start
R_Oct	2009-09-09_1300-M300	-3.03	2.44	176	30	refinement, before _1307
R_Oct	2009-09-09_1403-M300	-8.21	0.56	176	31	
R_Oct	2009-09-09_1406-M300	-1.12	-0.70	176	31	refinement, before _1410
R_Oct	2009-09-09_1506-M300	-0.43	3.20	176	32	before _1510
R_Oct	2009-09-09_1605-M300	0.43	-1.44	176	33	

R_Dor	2009-09-09_1620-M300	10.2	0.77	149	47
R_Dor	2009-09-09_1741-M300	2.5	-1.1	159	55
R_Dor	2009-09-09_1858-M300	0.6	-3.9	174	58
R_Dor	2009-09-09_2021-M300	0.8	-8.25	192	57
R_Dor	2009-09-09_2141-M300	6.14	-8.0	199	49
Orion_SiO	2009-09-09_2244-M300	2.1	3.1	301	47.5

### 10/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-10_1314-M300	-8.12	13.64	176	30	start
R_Oct	2009-09-10_1317-M300	0.51	0.46	176	30	refinement, before _1323
R_Oct	2009-09-10_1419-M300	-12.21	-4.19	176	31	
R_Oct	2009-09-10_1422-M300	-1.22	-2.54	176	31	refinement, before _1426
R_Oct	2009-09-10_1522-M300	-0.66	3.38	176	32	before _1526
R_Oct	2009-09-10_1621-M300	1.7	-1.9	176	33	
R_Dor	2009-09-10_1639-M300	8.8	1.3	152	50	
R_Dor	2009-09-10_1759-M300	3.96	-2.21	162	56	
R_Dor	2009-09-10_1918-M300	2.4	-5.4	179	59	
R_Dor	2009-09-10_2038-M300	-1.1	-2.9	196	57	
R_Dor	2009-09-10_2157-M300	8.7	-7	199	50	
Orion_SiO	2009-10-09_2243-M300	6.6	-1.2	300	47	

### 11/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-11_1303-M300	-5.34	6.28	176	30	start
R_Oct	2009-09-11_1306-M300	-2.50	3.00	176	30	refinement, before _1310

R_Oct	2009-09-11_1408-M300	-9.82	-2.84	176	31	
R_Oct	2009-09-11_1411-M300	-2.12	-1.44	176	31	refinement, before _1415
R_Oct	2009-09-11_1511-M300	-2.29	2.11	176	32	before _1515
R_Oct	2009-09-11_1610-M300	1.05	-0.23	176	33	
R_Dor	2009-09-11_1630-M300	9.38	2.16	150	49	
R_Dor	2009-09-11_1751-M300	3.01	-3.66	162	56	
R_Dor	2009-09-11_1912-M300	0.39	-3.84	179	59	
R_Dor	2009-09-11_2032-M300	1.06	-3.84	196	57	
R_Dor	2009-09-11_2152-M300	6.00	-7.95	207	50	
Orion_SiO	2009-09_11_2252-M300	14.65	2.97	300	47	no time for refinement

### 12/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-11_1309-M300	-17.48	10.06	176	30	start, windy today
R_Oct	2009-09-11_1313-M300	-8.79	-1.48	176	30	refinement
R_Oct	2009-09-11_1316-M300	-4.88	-1.41	176	30	refinement, before _1323
R_Oct	2009-09-11_1419-M300	-5.95	-2.87	176	31	before _1423
R_Oct	2009-09-11_1425-M300	0.47	-1.71	176	33	before _1533
R_oct	2009-09-12_1628-M300	1.85	2.47	176	34	
R_Dor	2009-09-12_1643-M300	8.95	0.42	152	51	
R_Dor	2009-09-12_1801-M300	3.73	-2.21	164	57	
R_Dor	2009-09-12_1921-M300	1.54	-3.96	182	59	
R_Dor	2009-09-12_2040-M300	-1.77	-0.96	198	56	
R_Dor	2009-09-12_2244-M300	5.58	-7.02	209	49	
ORI_SiO	2009-09-12_2247-M300	5.06	2.01	298	45	

### 13/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_oct	2009-09-13_1308-M146	-4.25	0.89	175	30	
R_oct	2009-09-13_1355-M300	-5.40	-5.86	175	31	
R_oct	2009-09-13_1442-M300	-3.39	-0.15	175	31	
R_oct	2009-09-13_1542-M300	-0.41	-2.17	175	32	
R_Dor	2009-09-13_1557-M300	9.91	3.99	148	47	
R_Dor	2009-09-13_1719-M300	4.61	2.46	158	54	
R_Dor	2009-09-13_1838-M300	-1.56	-5.88	173	58	
R_Dor	2009-09-13_1958-M300	2.73	-5.22	191	58	
R_Dor	2009-09-13_2117-M300	1.60	-1.98	205	53	
ORI_SiO	2009-09-13_2248-M300	5.92	-0.51	291	44	

#### 14/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-14_1203-M146	-17.05	9.46	176	30	start
R_Oct	2009-09-14_1207-M300	-7.24	3.53	176	30	refinement
R_Oct	2009-09-14_1210-M300	-1.33	-1.13	176	30	refinement, before _1217
R_Oct	2009-09-14_1313-M300	-4.63	-0.42	176	31	before _1317
R_Oct	2009-09-14_1424-M300	-4.20	-3.99	176	31	before _1424
R_Dor	2009-09-14_1553-M300	1.67	1.86	150	47	refinement, before _1600
R_Dor	2009-09-14_1713-M300	0.26	0.05	160	50	before _1719
R_Dor	2009-09-14_1832-M300	3.17	-2.17	173	59	before _1837
R_Dor	2009-09-14_1951-M300	1.64	-4.19	-169	58	before _1956 (std)
Ori SIO	2009-09-14_2150-M300	20.70	-3.08	-50	54	slew for Ori standard
Ori SIO	2009-09-14_2153-M300	7.32	0.45	-51	53	refinement, before _2157

#### 16/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-16_1205-M146	-15.90	10.10	176	30	start
R_Oct	2009-09-16_1209-M146	-3.90	5.90	176	30	refinement, before _1222
R_Oct	2009-09-16_1317-M300	-5.50	0.20	176	31	before _1323
R_Oct	2009-09-16_1426-M300	-5.67	-0.34	176	32	before _1431
R_Oct	2009-09-16_1532-M300	0.43	-2.48	176	33	before _1539
R_Dor	2009-09-16_1550-M300	10.99	3.99	150	47	start
R_Dor	2009-09-16_1555-M300	-3.81	-4.46	150	48	refinement
R_Dor	2009-09-16_1620-M300	-1.15	1.95	152	50	before _1621
R_Dor	2009-09-16_1741-M300	-1.11	-1.58	164	57	before _1746
R_Dor	2009-09-16_1903-M300	-0.91	-5.70	-178	59	before _1908
R_Dor	2009-09-16_2022-M300	1.84	-3.13	-161	56	before _2030
R_Dor	2009-09-16_2145-M300	2.02	-5.19	-151	49	before _2049

### 17/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Dor	2009-09-17_1728-M300	-1.29	0.94	163	56	before _1733
R_Dor	2009-09-17_1846-M300	2.10	-6.26	179	59	before _1855
R_Dor	2009-09-17_2008-M300	-1.32	0.76	-163	57	before _2013
R_Dor	2009-09-17_2129-M300	6.59	-3.56	-152	50	before _2134

### 18/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Dor	2009-09-18_1208-M300	-19.12	4.97	150	23	start
R_Dor	2009-09-18_1212-M300	-12.72	2.30	150	23	refinement
R_Dor	2009-09-18_1215-M300	-1.57	1.46	150	23	refinement

R_Oct	2009-09-18_1221-M300	-1.54	1.53	176	30	before _1228
R_Oct	2009-09-18_1324-M300	0.04	-1.37	176	31	before _1329
R_Oct	2009-09-18_1431-M300	2.04	2.96	176	32	before _1436
R_Oct	2009-09-18_1532-M300	4.14	0.78	176	33	before _1537
R_Dor	2009-09-18_1547-M300	11.52	1.49	150	48	start
R_Dor	2009-09-18_1551-M300	2.98	0.96	151	48	refinement, before _1557
R_Dor	2009-09-18_1710-M300	2.29	0.14	160	55	before _1715
R_Dor	2009-09-18_1829-M300	-0.38	-3.98	176	59	before _1835
R_Dor	2009-09-18_1948-M300	1.40	-4.62	178	52	before _1955
R_Dor	2009-09-18_2111-M300	4.91	-8.76	154	51	
R_Dor	2009-09-18_2115-M300	-2.34	-1.87	-153	51	refinement, before _2123
Orion-SiO	2009-09-18_2134-M300	23.87	3.26	309	53	start
Orion-SiO	2009-09-18_2140-M300	3.31	1.41	-52	52	refinement, before _2144

### 19/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Dor	2009-09-19_1204-M300	-7.88	17.83	150	23	start
R_Dor	2009-09-19_1209-M300	-12.67	3.38	150	23	refinement
R_Dor	2009-09-19_1218-M300	-3.99	0.08	149	24	refinement
R_Oct	2009-09-19_1224-M300	1.80	1.55	176	30	before _1235
R_Oct	2009-09-19_1337-M300	-1.81	-1.82	176	31	before _1354
R_Oct	2009-09-19_1455-M300	-0.08	0.51	176	32	before _1500
R_Oct	2009-09-19_1557-M300	3.33	0.69	177	33	before _1601
R_Dor	2009-09-19_1612-M300	9.17	-0.46	153	51	start
R_Dor	2009-09-19_1616-M300	2.39	0.82	153	51	refinement, before _1621
R_Dor	2009-09-19_1744-M300	-0.08	-0.30	167	58	before _1749



R_Dor	2009-09-19_1905-M300	2.33	-4.30	-175	59	before _1913
R_Dor	2009-09-19_2025-M300	1.84	-5.53	-159	55	before _2032/2040

**20/09/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Dor	2009-09-20_1219-M300	-20.94	-0.48	148	25	start
R_Dor	2009-09-20_1223-M300	-5.77	5.50	148	25	refinement
R_Dor	2009-09-20_1228-M300	-1.61	-3.22	149	26	refinement
R_Oct	2009-09-20_1232-M300	0.62	4.70	176	30	start
R_Oct	2009-09-20_1237-M300	0.61	2.09	176	31	refinement, before _1243
R_Oct	2009-09-20_1348-M300	-5.58	-3.38	176	31	before _1353
R_Oct	2009-09-20_1450-M300	0.52	-0.82	176	32	before _1455
R_Oct	2009-09-20_1602-M300	11.36	2.07	174	32	end, <b>very weak signal</b>
R_Dor	2009-09-20_1608-M300	6.15	-0.55	153	51	before _1615
R_Dor	2009-09-20_1730-M300	1.22	-2.34	165	57	end
R_Oct	2009-09-20_1735-M300	-9.37	4.09	178	34	start
R_Oct	2009-09-20_1739-M300	-1.81	2.08	178	35	refinement, before _1745
R_Dor	2009-09-20_1755-M300	11.23	-6.65	170	58	start
R_Dor	2009-09-20_1759-M300	0.78	0.87	171	58	refinement, before _1803
R_Dor	2009-09-20_1917-M300	-1.13	-3.48	171	59	before _1922
R_Dor	2009-09-20_2038-M300	-3.04	-3.26	-157	54	before _2043
-	2009-09-20_2049-M300	-0.47	-3.12	-168	50	pseudo-pointing, unspecified source
R_Dor	2009-09-20_2151-M300	2.60	0.05	-150	47	good pointing, no damage done by _2049

**21/09/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
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R_Dor	2009-09-21_1236-M300	-17.67	9.18	148	27	start
R_Dor	2009-09-21_1236-M300	-4.55	-0.65	148	28	refinement
R_Oct	2009-09-21_1256-M300	1.32	-0.08	176	31	before_1306
R_Oct	2009-09-21_1410-M300	-1.58	1.25	175	32	before_1418
R_Oct	2009-09-21_1534-M300	-0.31	1.09	176	33	before_1538
R_Oct	2009-09-21_1636-M300	0.82	1.32	177	34	end
R_Dor	2009-09-21_1641-M300	15.83	3.67	158	54	start
R_Dor	2009-09-21_1645-M300	1.81	2.05	158	54	before_1648
R_Dor	2009-09-21_1802-M300	-2.57	-7.24	172	59	
R_Dor	2009-09-21_1806-M300	-1.85	-7.13	173	59	
R_Dor	2009-09-21_1812-M300	-1.12	1.25	175	59	before_1815
R_Dor	2009-09-21_1929-M300	-0.72	0.63	-168	58	before_1935
R_Oct	2009-09-21_1942-M300	-11.42	1.26	-180	35	
R_Oct	2009-09-21_1946-M300	-2.29	1.13	-180	35	before_1951
R_Dor	2009-09-21_2007-M300	11.20	-3.18	-161	56	

**23/09/09 (AEST)**

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Dor	2009-09-23_1210-M300	-16.67	11.29	149	25	start
R_Dor	2009-09-23_1213-M300	-6.07	0.84	149	26	refinement
R_Oct	2009-09-23_1218-M300	1.49	0.48	176	30	before_1226
R_Oct	2009-09-23_1236-M300	-3.09	-0.35	176	31	before_1240
R_Dor	2009-09-23_1337-M300	-1.89	-1.89	176	32	before_1243
R_Dor	2009-09-23_1442-M300	-0.12	-0.88	176	35	before_1442
R_Dor	2009-09-23_1544-M300	-1.29	-0.58	177	33	end
R_Dor	2009-09-23_1549-M300	8.21	-0.88	152	50	start

R_Dor	2009-09-23_1552-M300	3.76	1.35	152	50	refinement, before _1556
R_Dor	2009-09-23_1603-M300	-0.24	-0.16	153	51	before _1607
R_Dor	2009-09-23_1721-M300	-1.20	-0.01	165	57	before _1727
R_Dor	2009-09-23_1840-M300	2.43	-2.44	177	59	before _1902
R_Dor	2009-09-23_1956-M300	-1.76	-0.76	-162	56	before _2001
R_Dor	2009-09-23_2124-M300	-2.80	-6.96	151	48	before _2129
Orion-SiO	2009-09-23_2144-M300	15.21	12.24	-59	48	start
Orion-SiO	2009-09-23_2148-M300	17.65	3.63	-60	48	refinement
Orion-SiO	2009-09-23_2151-M300	3.19	-1.52	-60	47	refinement, before _2155

### 24/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-24_1206-M300	-15.10	16.12	-184	30	start
R_Oct	2009-09-24_1210-M300	-1.51	-1.04	-184	30	repeat
R_Dor	2009-09-24_1335-M300	-8.33	-0.84	147	35	very long slew!
R_Dor	2009-09-24_1338-M300	-1.39	-1.11	147	35	repeat
R_Dor	2009-09-24_1456-M300	7.37	-2.06	148	45	regular, before _1500
R_Dor	2009-09-24_1613-M300	3.69	0.47	155	53	regular, before _1617
R_Dor	2009-09-24_1731-M300	-0.09	-4.07	168	58	regular, before _1735
R_Dor	2009-09-24_1847-M300	1.17	-4.38	185	59	regular, before _1852
R_Dor	2009-09-24_2008-M300	-0.19	-1.08	201	55	regular, before _2013
Orion-SiO	2009-09-24_2129-M300	25.27	0.75	305	50	slew, forgot to accept! 😞
Orion-SiO	2009-09-24_2132-M300	27.05	0.12	305	50	repeat
Orion-SiO	2009-09-24_2135-M300	6.14	2.52	305	49	repeat, before _2139
Orion-SiO	2009-09-24_2144-M300	2.03	1.74	301	47	repeat, before _2148

### 25/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-25_1104-M300	-16.36	10.61	-183	29	start
R_Oct	2009-09-25_1107-M300	-6.47	1.14	-183	29	repeat, before _1112
R_Oct	2009-09-25_1247-M300	-12.83	1.03	-185	31	start
R_Oct	2009-09-25_1250-M300	1.38	-1.38	-185	31	repeat, before 1254
R_Dor	2009-09-25_1359-M300	-0.91	0.49	146	38	very long slew
R_Dor	2009-09-25_1516-M300	8.59	-0.88	149	47	regular
R_Dor	2009-09-25_1519-M300	3.33	1.90	149	47	repeat, before _1523
R_Dor	2009-09-25_1624-M300	-2.40	5.74	156	54	regular, before _1628
R_Dor	2009-09-25_1740-M300	0.84	-5.92	171	58	regular, before _1745
R_Dor	2009-09-25_1900-M300	-4.76	-3.38	189	59	regular, before _1904
R_Dor	2009-09-25_2025-M300	2.30	-1.58	204	53	regular, before _2030
Orion-SiO	2009-09-25_2147-M300	27.51	-1.90	299	46	regular (short slew)
Orion-SiO	2009-09-25_2150-M300	4.06	1.37	299	46	repeat, before _2154

### 26/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-26_1104-M300	-18.33	6.95	-183	29	start
R_Oct	2009-09-26_1107-M300	-1.44	1.01	-183	29	repeat, before _1112
R_Oct	2009-09-26_1221-M300	-8.91	4.05	-184	30	start
R_Oct	2009-09-26_1224-M300	-0.95	0.18	-184	30	repeat, before 1228
R_Dor	2009-09-26_1333-M300	-1.33	-1.14	146	68	very long slew
R_Dor	2009-09-26_1452-M300	7.62	1.98	149	45	regular, before _1455
R_Dor	2009-09-26_1611-M300	5.01	0.28	155	53	regular, before _1616
R_Dor	2009-09-26_1731-M300	-1.37	-5.85	169	59	regular, before _1735
R_Dor	2009-09-26_1851-M300	-1.29	-3.01	188	59	regular, before _1855

R_Dor	2009-09-26_2011-M300	1.09	-1.80	203	54	regular, before _2016
R_Dor	2009-09-26_2126-M300	2.07	-1.28	210	47	regular, before _2131

### 27/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-27_1058-M420	-16.11	11.01	-184	29	start, note incorrect extension - sorry!
R_Oct	2009-09-27_1101-M420	-3.97	-0.83	-184	29	repeat, before _1110 (note incorrect extension..)
R_Oct	2009-09-27_1215-M300	-8.69	5.45	-184	30	regular
R_Oct	2009-09-27_1218-M300	0.94	-1.26	-184	30	repeat, before _1222
R_Dor	2009-09-27_1707-M300	-3.48	-4.54	165	57	regular, before _1712 (prev. pointing at 1627, but then wind-stowed)
R_Dor	2009-09-27_1824-M300	6.28	-2.39	182	59	regular, before _1827
R_Dor	2009-09-27_1940-M300	1.55	-0.64	198	56	regular, before _1944
R_Dor	2009-09-27_2101-M300	3.00	-5.85	209	49	regular, before _2105
Orion-SiO	2009-09-27_2143-M300	26.32	-0.81	298	45	regular (short slew)
Orion-SiO	2009-09-27_2146-M300	6.42	-2.43	298	45	repeat, before _2150

### 28/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-28_1131-M300	-14.46	6.68	-184	30	start
R_Oct	2009-09-28_1134-M300	-3.07	1.46	-184	30	repeat, before _1141
R_Oct	2009-09-28_1249-M300	-10.11	3.16	-185	31	regular
R_Oct	2009-09-28_1253-M300	-1.70	-1.52	-185	31	repeat, before _1256
R_Dor	2009-09-28_1421-M300	4.40	3.43	148	43	very long slew
R_Dor	2009-09-28_1536-M300	4.64	-1.41	152	50	regular, before _1540
R_Dor	2009-09-28_1653-M300	4.23	-1.53	163	57	regular, before _1657
R_Dor	2009-09-28_1809-M300	-0.49	-6.30	180	60	regular, before _1812

R_Dor	2009-09-28_1931-M300	-0.95	1.55	197	75	regular, before _1935
R_Dor	2009-09-28_2048-M300	5.75	-3.56	-152 (?!)	50	regular, before _2052

## 29/09/09 (AEST)

Object	Correlator File	dx	dz	Azim	Elev	Comments
R_Oct	2009-09-29_1103-M300	-17.20	9.21	-184	29	start
R_Oct	2009-09-29_1106-M300	-6.86	3.52	-184	29	repeat, before _1131
R_Oct	2009-09-29_1238-M300	-4.08	-1.61	-185	31	regular, before _1242
R_Dor	2009-09-29_1406-M300	0.54	1.90	147	41	long slew, before _1411
R_Dor	2009-09-29_1523-M300	6.65	-0.46	151	50	regular, before _1527
R_Dor	2009-09-29_1644-M300	0.47	-2.36	163	56	regular, before _1648
R_Dor	2009-09-29_1801-M300	0.87	-4.00	179	59	regular, before _1805
R_Dor	2009-09-29_1918-M300	-1.11	-3.35	196	57	regular, before _1921
R_Dor	2009-09-29_2033-M300	8.20	-3.84	207	51	regular
R_Dor	2009-09-29_2036-M300	1.40	-2.61	207	51	repeat, before _2040
Orion-SiO	2009-09-29_2154-M300	15.40	7.61	294	45	regular (short slew)
Orion-SiO	2009-09-29_2157-M300	10.34	-0.86	294	45	repeat
Orion-SiO	2009-09-29_2200-M300	4.69	-2.25	294	45	repeat, before _2204

## Beam Maps

Object	Correlator File	direction	Azim	Elev	Weather
R Dor	2009-06-15_2134-M300	vert	148	44	clear
R Dor	2009-06-18_0401-M300	horiz	210	47	clear
R Dor	2009-09-17_2141-M300	horiz	197	47	clear
R Dor	2009-09-17_2147-M300	vert	209	48	clear, stopped at subscan 20

## Lost Time

UT Date	Observer	Hours Lost	Reason
2009-06-19	EM, TW	6	MOPS failure
2009-06-20	EM, TW	6	Bad weather
2009-06-24	JO	2	MOPS failure
2009-06-26/27	JO	8 (got only 1 map with Tsys 1200K)	bad weather
2009-06-29	<a href="#">JoP?</a>	4	DRIVE failure
2009-07-26	TW	2	Wind stows
2009-08-17	EM	1	Wind stow
2009-08-24	AH	4	Wind stow, then VNC/MOPS breakdown
2009-08-24	EM	1	VN/Mops breakdown - various wind stows
2009-08-25	EM	0.5	VN/Mops breakdown
2009-08-26	AH	1.25	ACC crash
2009-08-28	AH	4.75	bad weather
2009-08-28	EM	3.0	putrid weather. Putrid.
2009-08-29	AH,EM	8	more putrid weather
2009-09-12	AH	0.25	VNC breakdown
2009-09-25	SM	1	wind stows
2009-09-27	SM	3.5	wind stows

-- [TonyWong](#) - 26 Jul 2009

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