

Summary of Telescope Site Acceptance On-sky Tests

05/02/2006 to 11/02/2006

Open Loop Tracking 20060208

Run	Az	Alt	Time Scale				Full Track
			5s	30s	60s	10min	
1	189	40	0.20	0.25	0.27	0.45	0.49
2	347	55	0.16	0.18	0.22	0.35	0.48
3	230	82	0.14	0.21	0.27	1.42	2.14
4	178	63	0.27	0.30	0.32	0.74	1.38
5	273	40	0.26	0.31	0.34	0.49	0.56

Specification:
for 5s, 10s and 60s time
scales
0.25
0.4 for 10min

20060209

Run	Az	Alt	5s	30s	60s	10min	Full Track
1	-61	85	0.19	0.27	0.32	0.83	1.87
2	-63	80	0.16	0.25	0.30	0.47	0.57

Closed Loop Tracking 20060207

Run	Az	Alt	30min
1	182	48	0.23
2	185	26	0.36
3	4	57	0.16
4	111	47	0.33
5	62	81	0.19

Specification:
0.25" in 30 minutes

Closed Loop Tracking

20060208

Run	Az	Alt	30min
1	147	67	0.27
2	145	31	0.43

Pointing

20060208

	Stars	Rejects	rms	stdev.
First data	95	0	2.1	
Second data	89	0	2.32	
Second data against first model			2.92	
First data against second model			2.8	
All 184 stars			2.39	

Specification

2.0" overall sky rms

20060209

after a full software system upgrade

	Stars	Rejects	rms	stdev.
First data	89	88	1.7	1.9
Second data	81	0	1.57	1.78
Second data against first model			1.91	
First data against second model			2.04	
All 169 stars			1.73	1.83

Offset Pointing

20060210

	Offset	Accuracy	stdev.
Star Pair 1		0.32	0.17
Star Pair 2		1.2	0.23
Star Pair 3		2.7	0.18
Star Pair 4		2	0.2

Specification

0.3" over 20' offsets