

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6543 - L2 Version 4
Chandra X-Ray Center

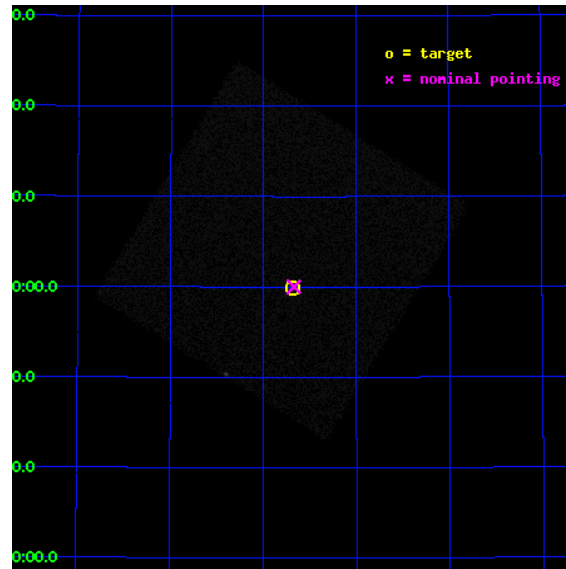
L2 Processing Date : Aug 10 2012

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1 Front

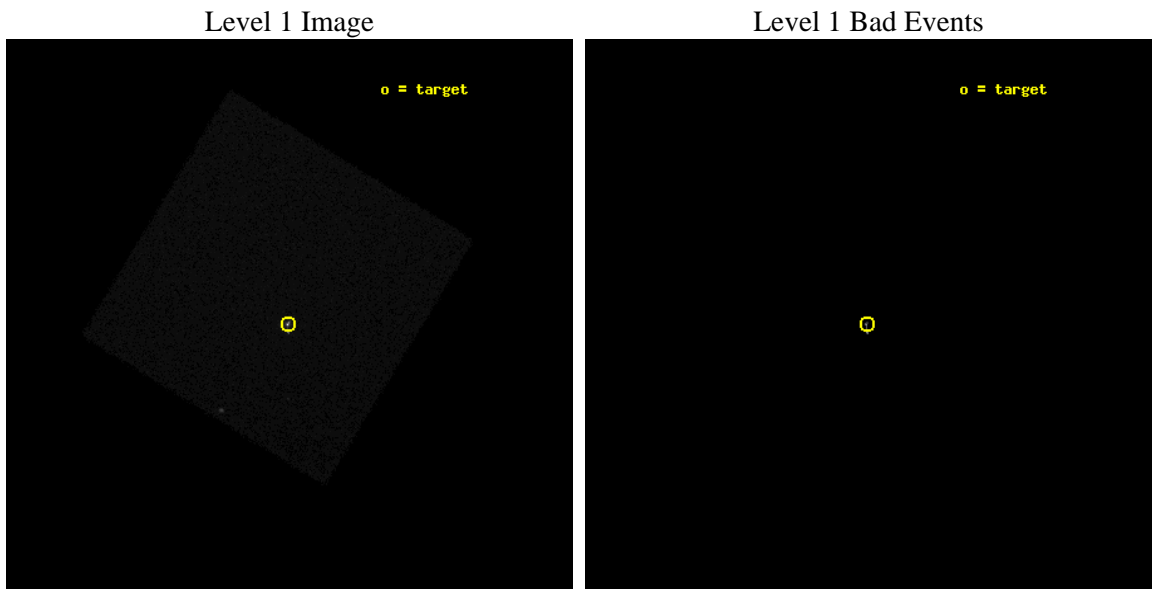
seq_num	290636	Sequence number
obs_id	6543	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.167898016556	Nominal RA [deg]
dec_nom	46.000305709995	Nominal Dec [deg]
roll_nom	166.48504690123	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5193.9314901531	[s]
livetime	5146.5759219459	Ontime multiplied by DTCOR
l2events	326799	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5193.9314901531	[s]
caldbver	4.5.1.1	 	l1events	460472	Number of level 1 events
date	2012-08-10T18:06:58	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

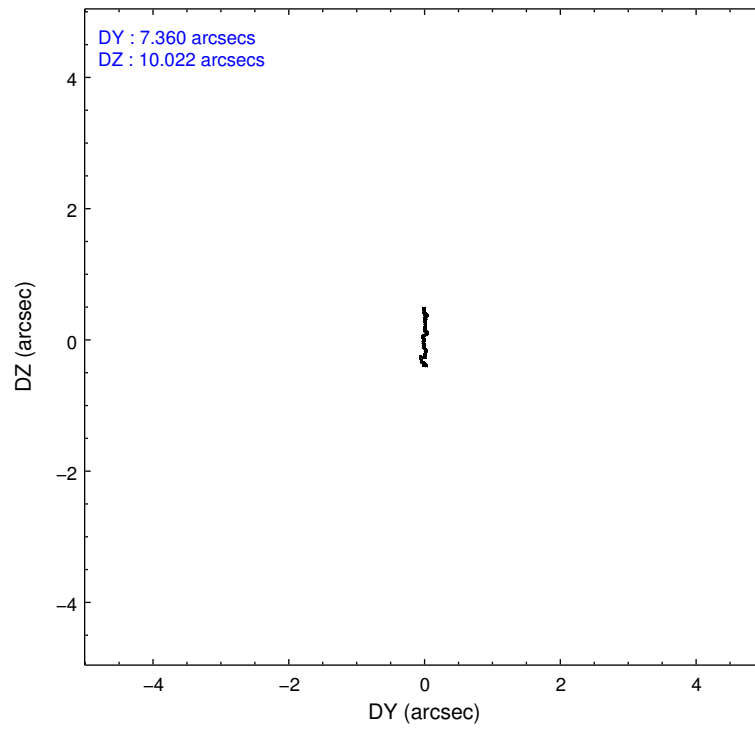
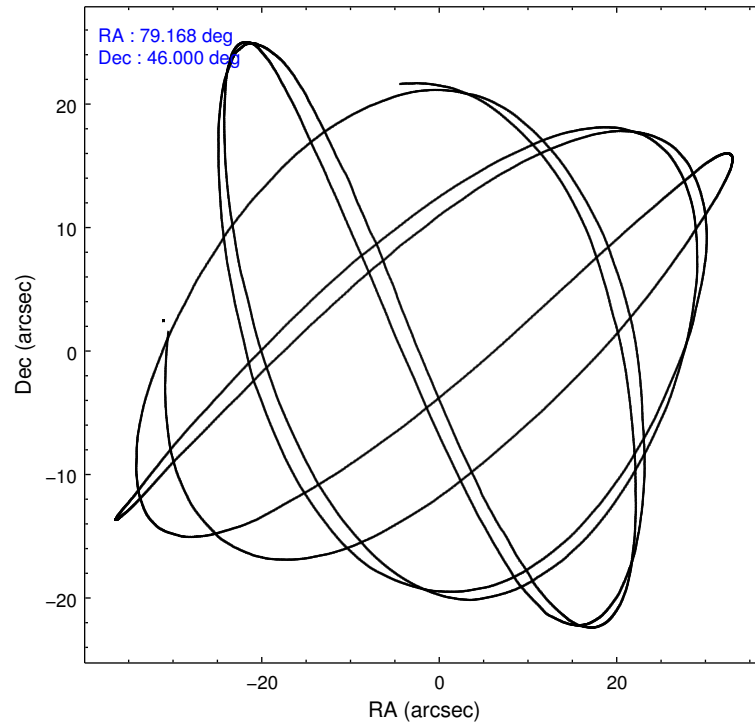
Level 1 Events

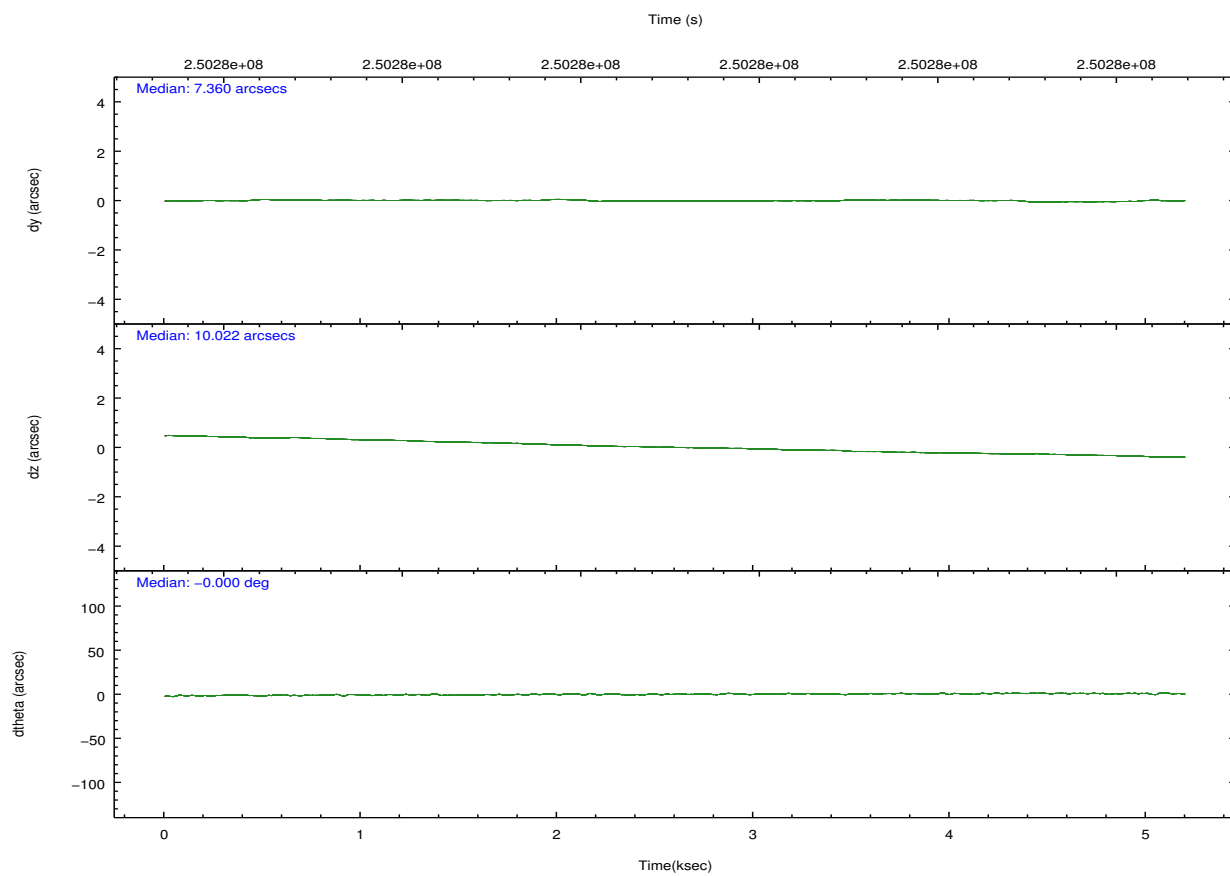
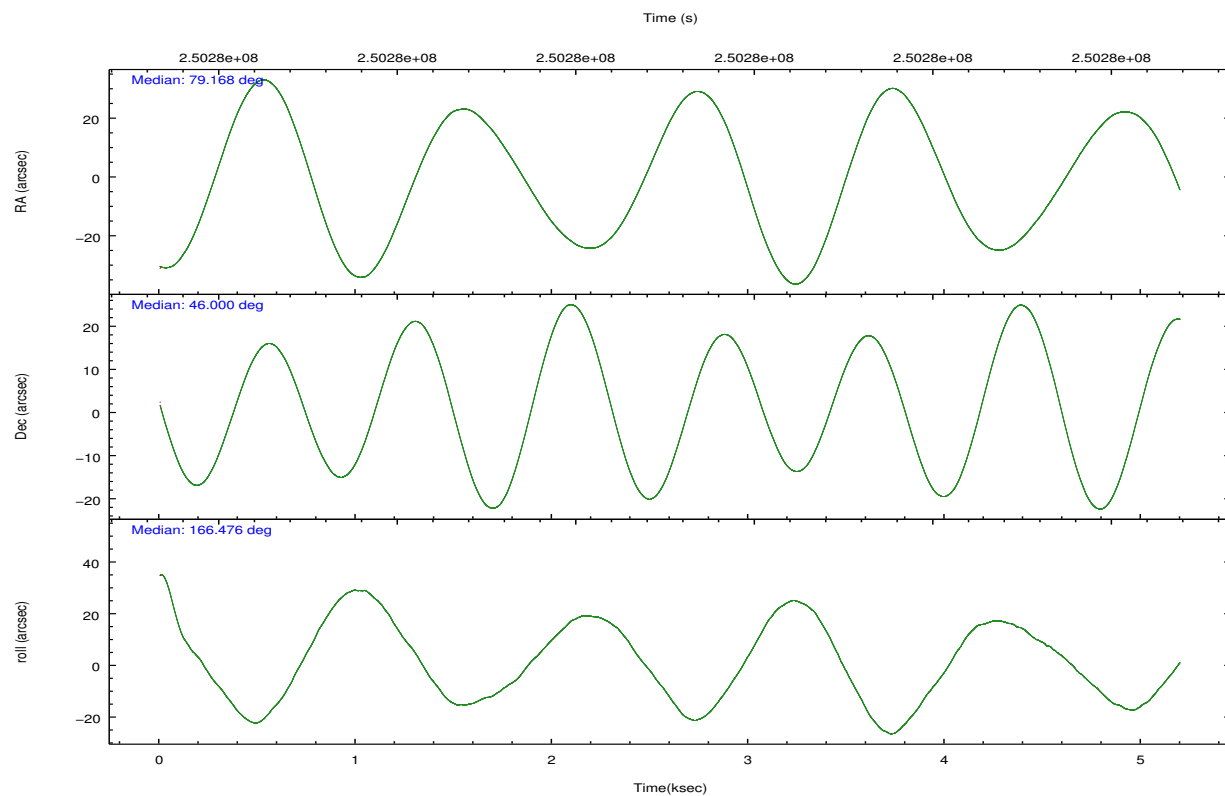
	segment 0
level 1 events	460472
rejected events	26269
rejected %	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	79.204811	79.16789801655631			
[deg] Pointing Dec	46.008750	46.00030570999464			
[deg] Pointing Roll	166.553969	166.4850469012311			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	138.985494	138.9913498702368			
[mm] SIM translation stage offset	-12	-12.00586097863524			
[s] Observation start time (MET)	250279130.184000	250278753.48997			
Observation start date	2005-12-06T17:57:46	2005-12-06T17:52:33			
[s] Observation end time (MET)	250284130.184000	250284263.89022			
Observation end date	2005-12-06T19:21:06	2005-12-06T19:24:23			

2.3 Aspect



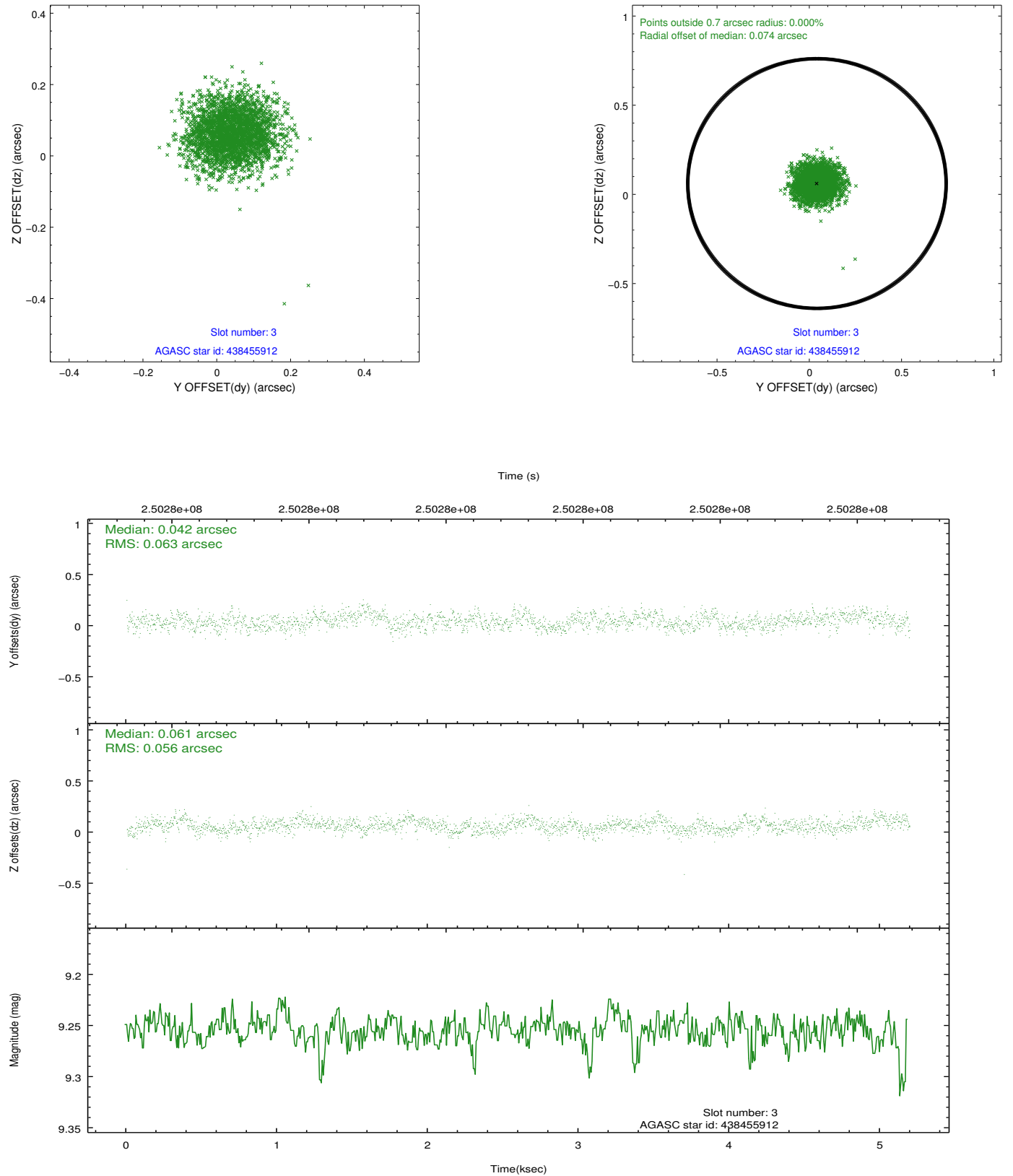


Slot Statistics

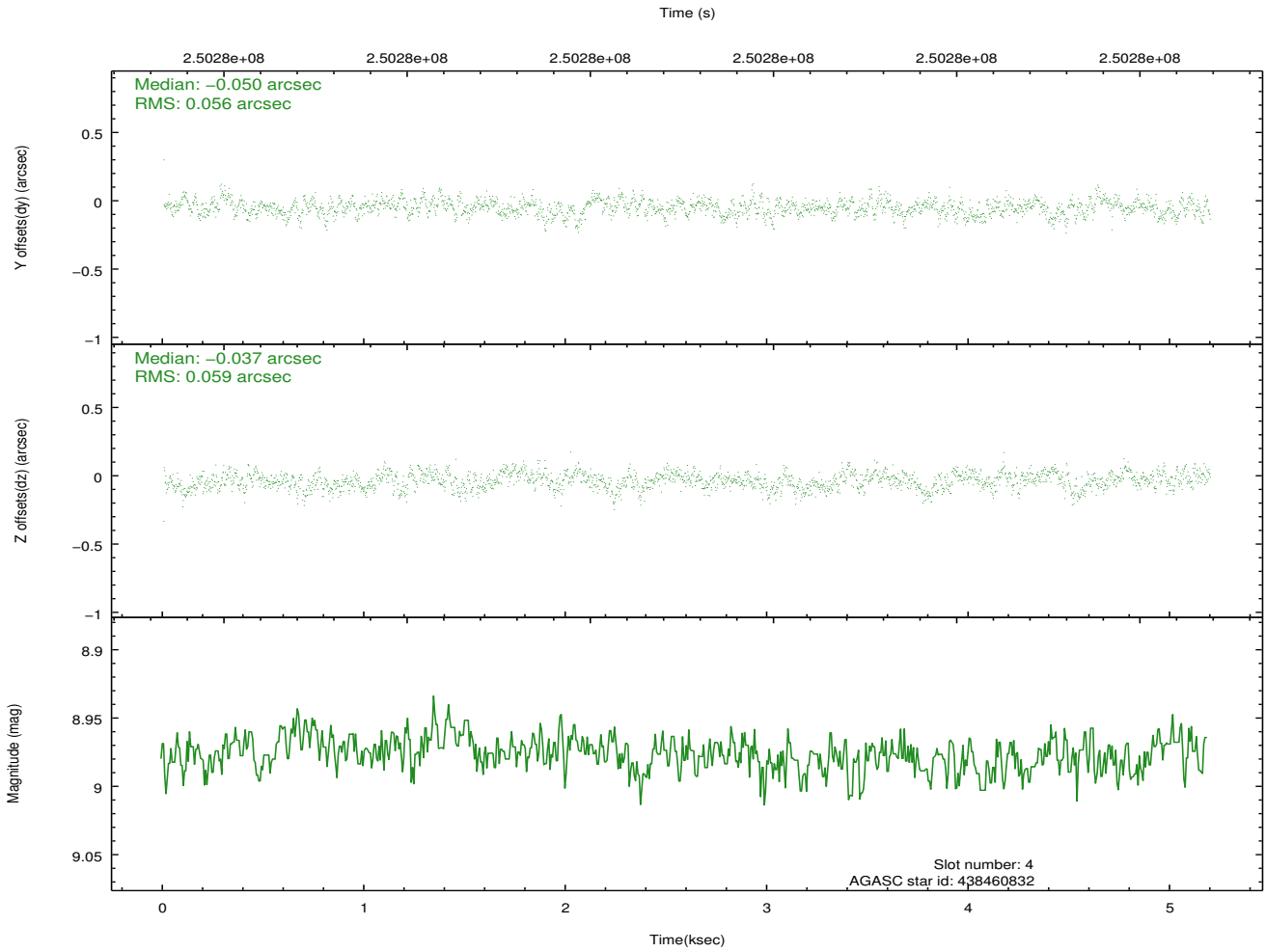
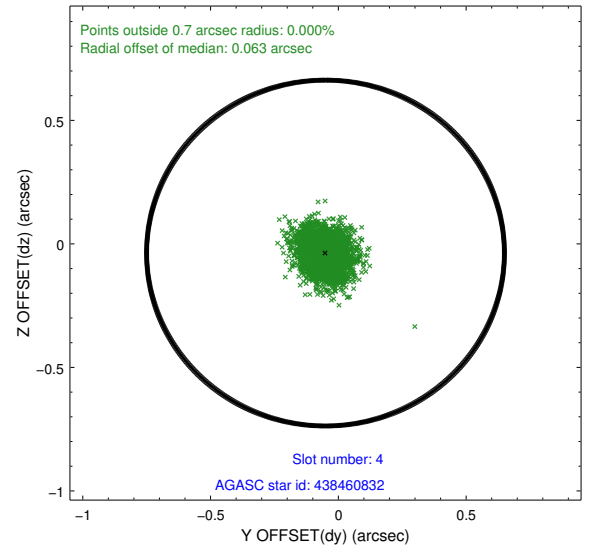
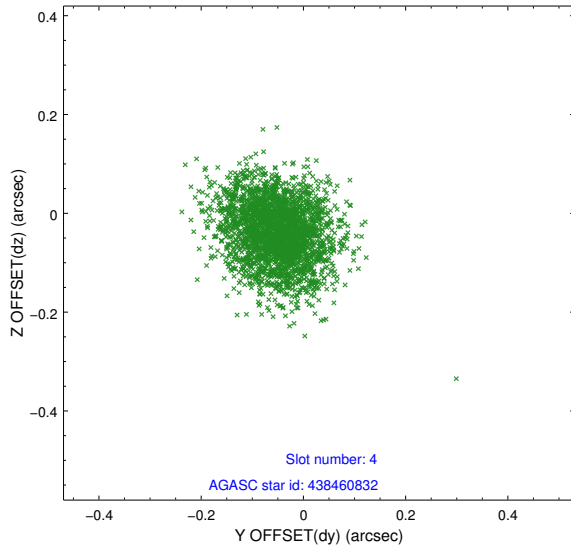
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	1268	0.137	-0.675	0.007	0.012	0.000000	0.000000	-763.04	-1544.63
1	FID	HRC-I-2	7.05	1268	-0.072	0.118	0.008	0.016	0.000000	0.000000	849.48	-1547.41
2	FID	HRC-I-3	7.14	1268	0.053	0.464	0.010	0.018	0.000000	0.000000	-1190.59	758.75
3	GUIDE	438455912	9.25	2535	0.042	0.061	0.090	0.146	78.251946	45.690923	2068.61	1656.09
4	GUIDE	438460832	8.98	2533	-0.050	-0.037	0.087	0.139	78.414614	45.554782	1561.07	2043.72
5	GUIDE	440140240	9.98	2534	-0.072	0.040	0.144	0.235	78.889349	46.726437	1360.29	-2332.71
6	GUIDE	440150048	7.16	2534	0.017	-0.001	0.085	0.134	79.112838	46.416060	564.82	-1374.41
7	GUIDE	440163960	8.88	2534	0.064	-0.059	0.073	0.120	79.298370	45.827072	-379.14	580.24

2.4 Star Slots

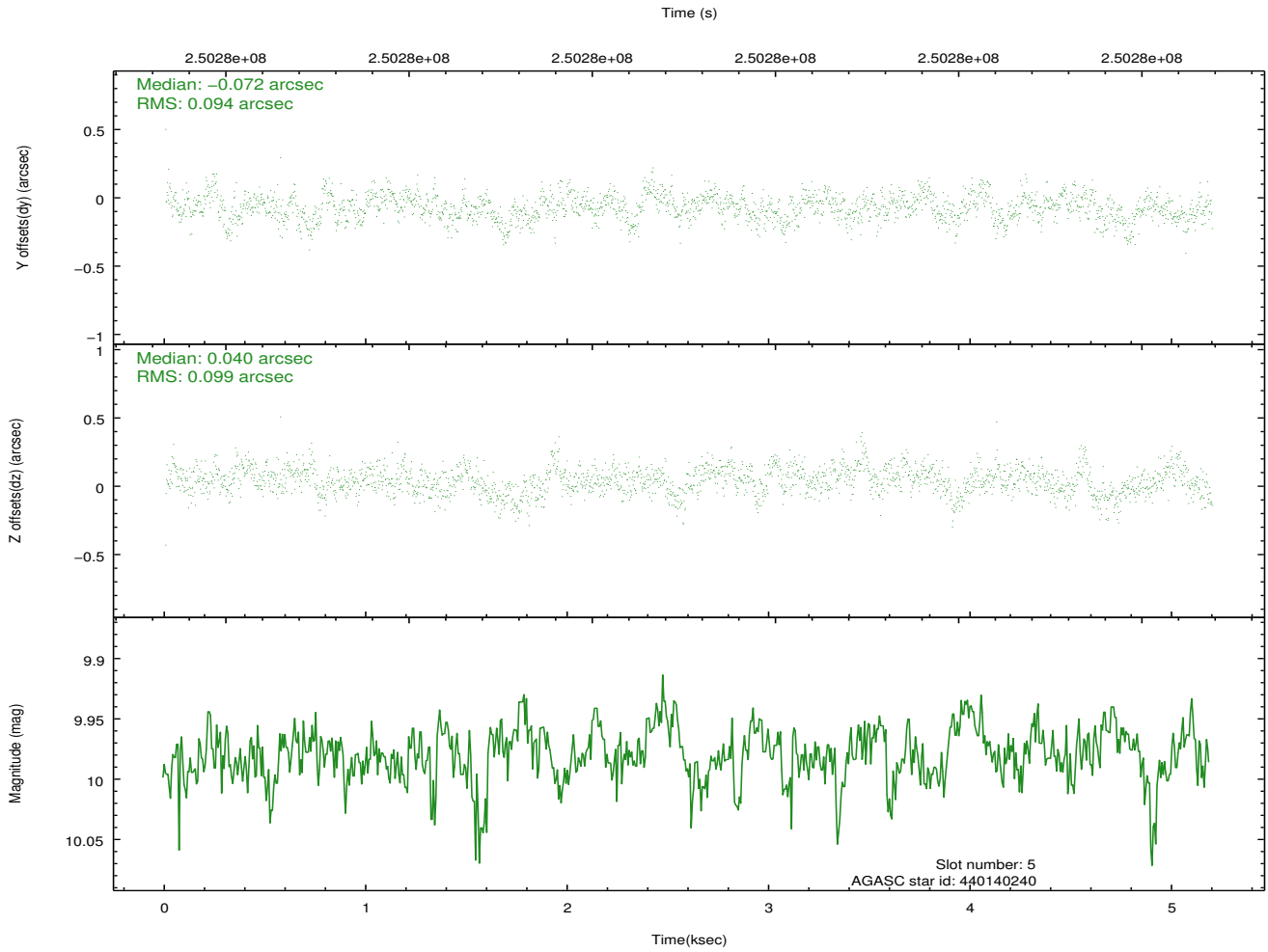
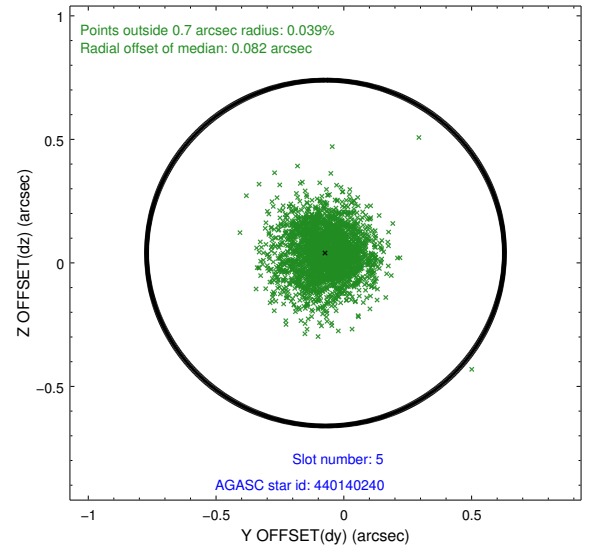
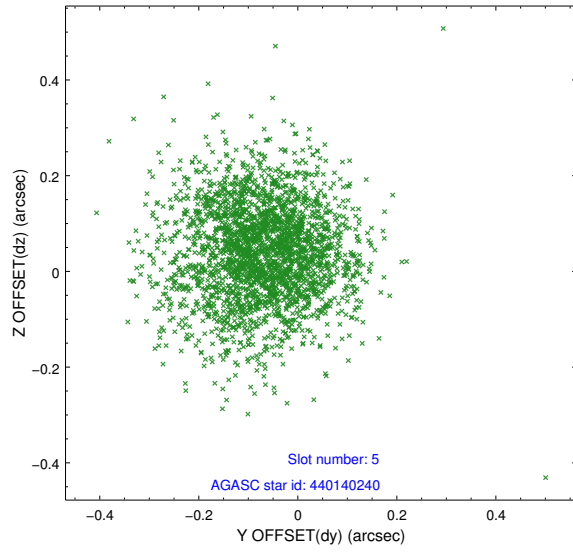
2.4.1 Slot 3



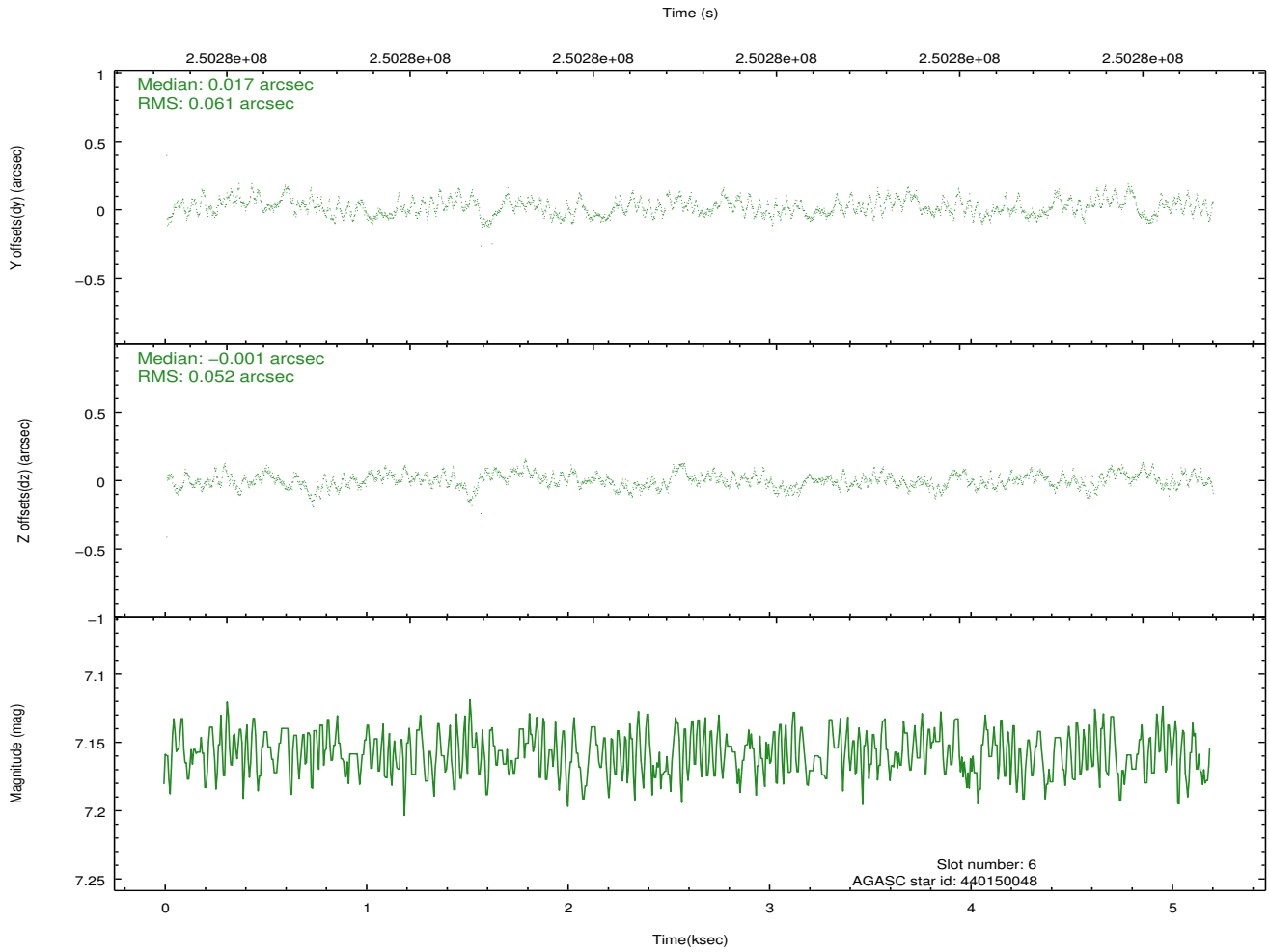
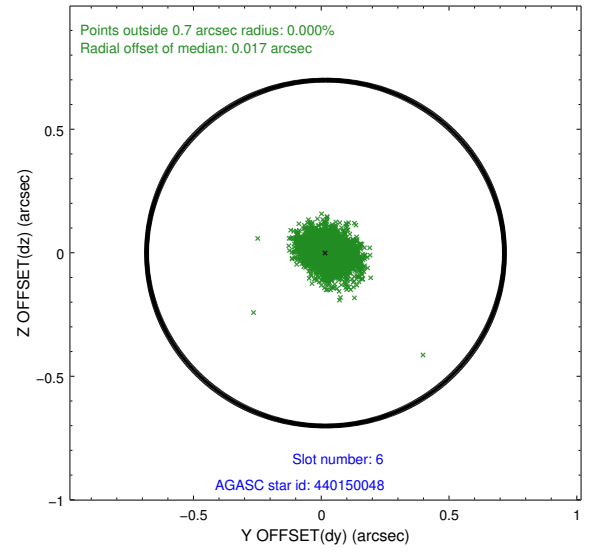
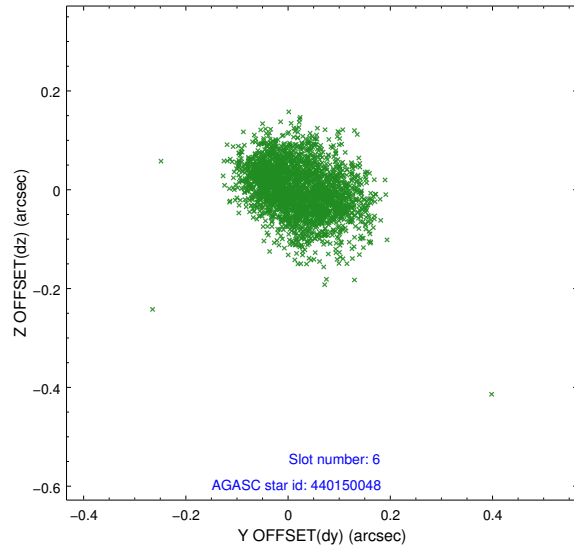
2.4.2 Slot 4



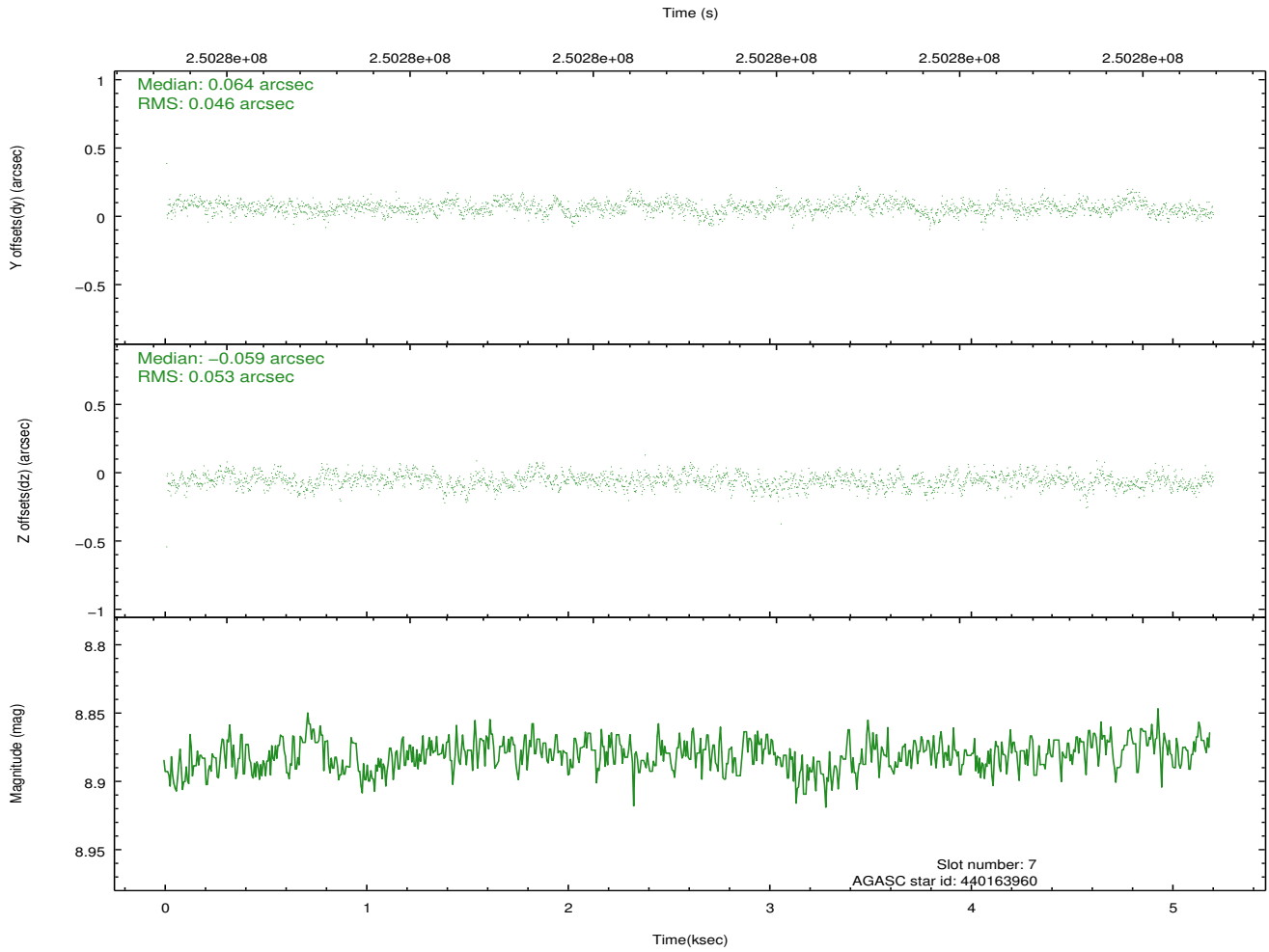
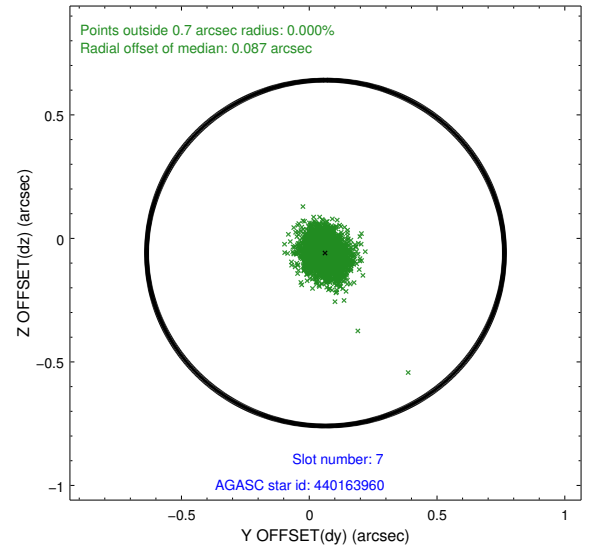
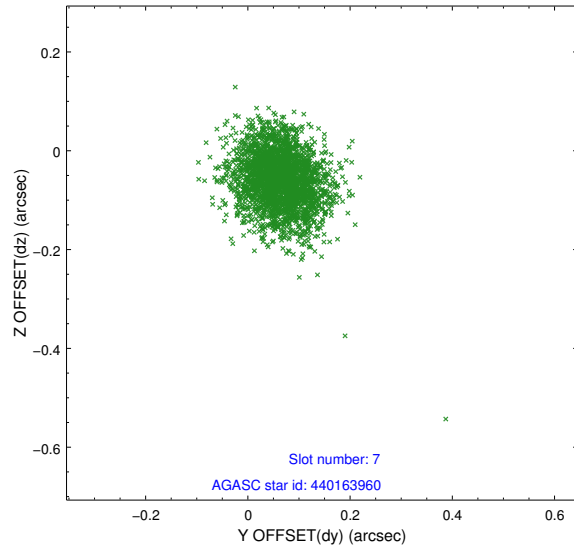
2.4.3 Slot 5



2.4.4 Slot 6

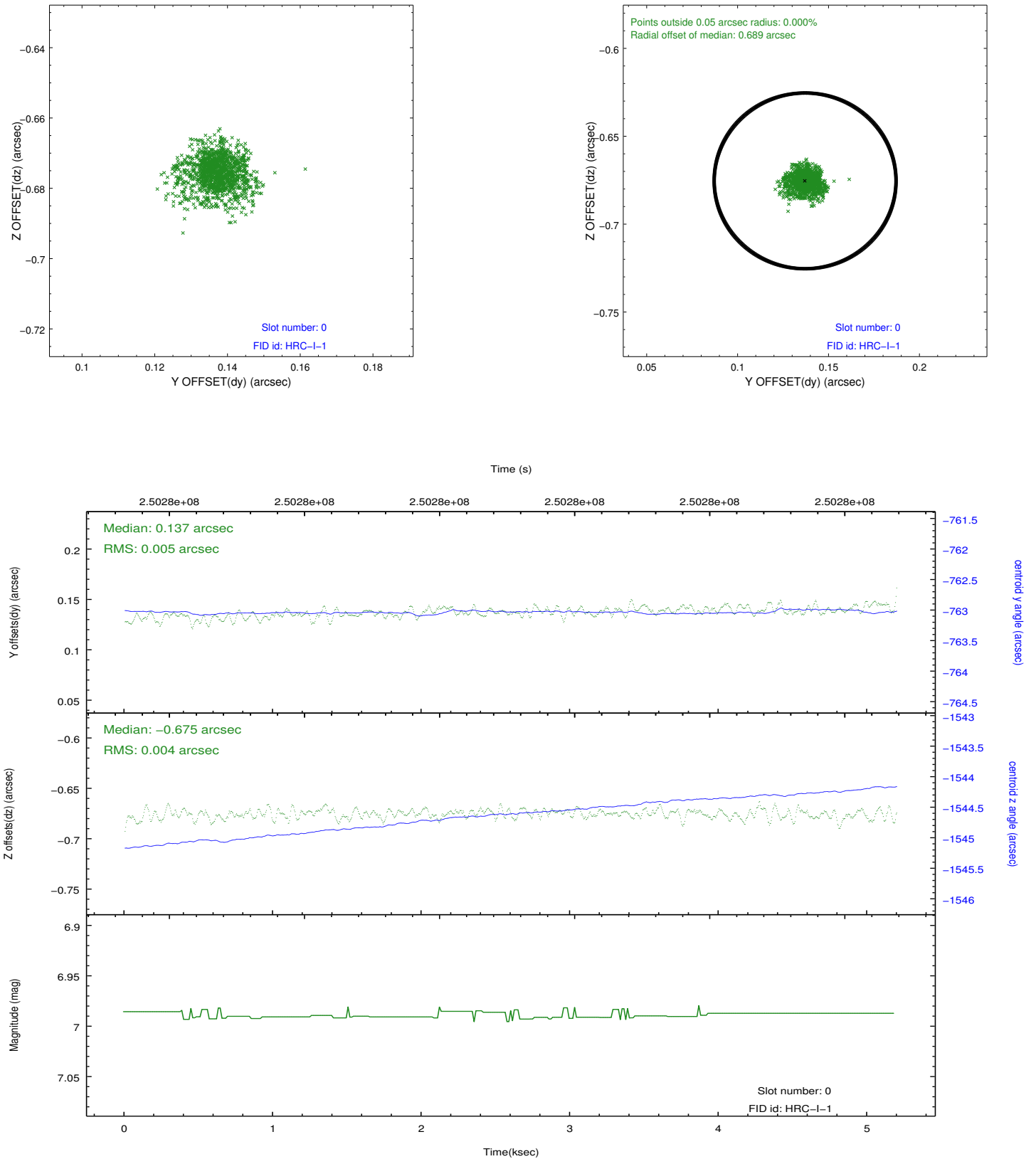


2.4.5 Slot 7

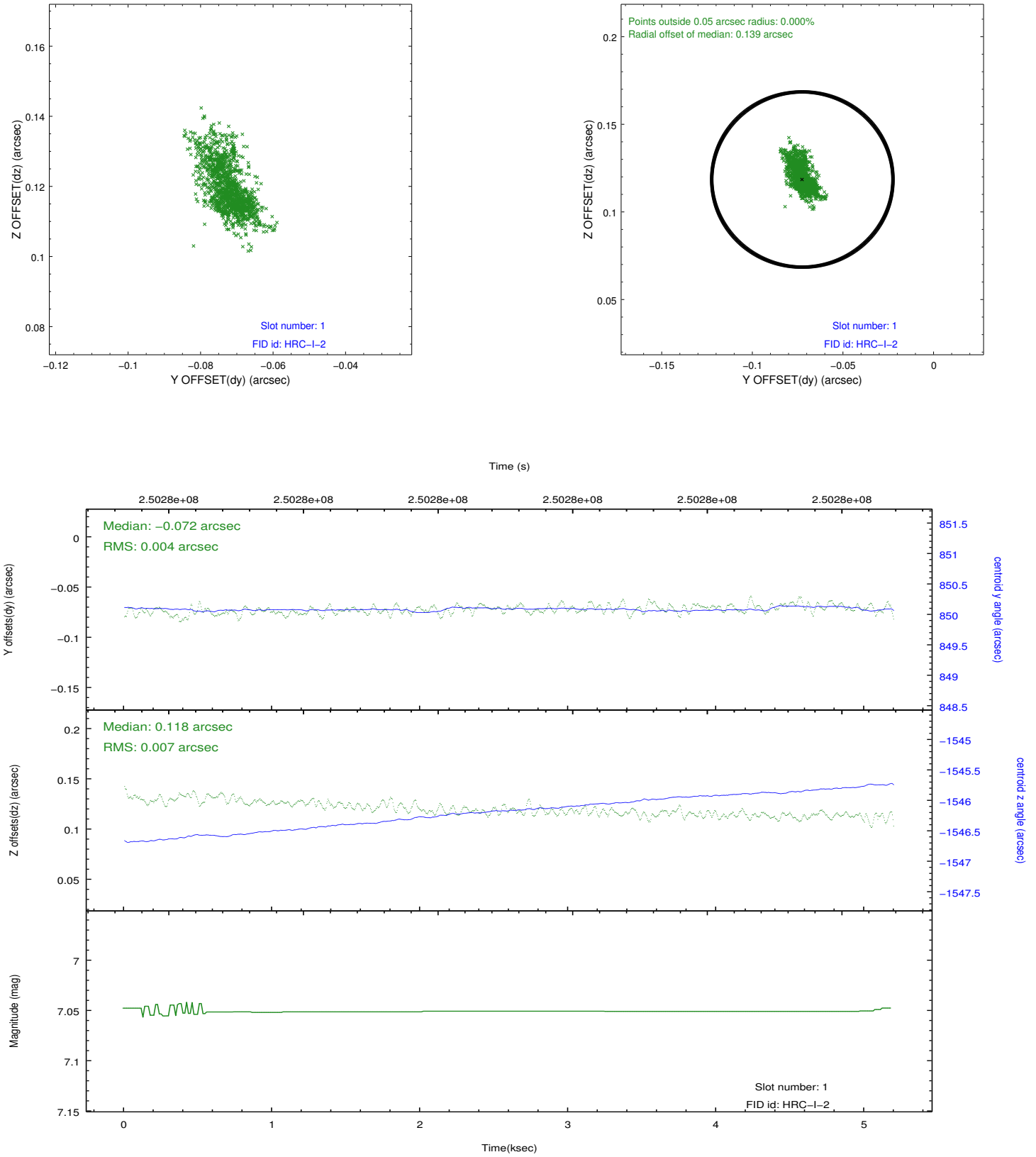


2.5 FID Slots

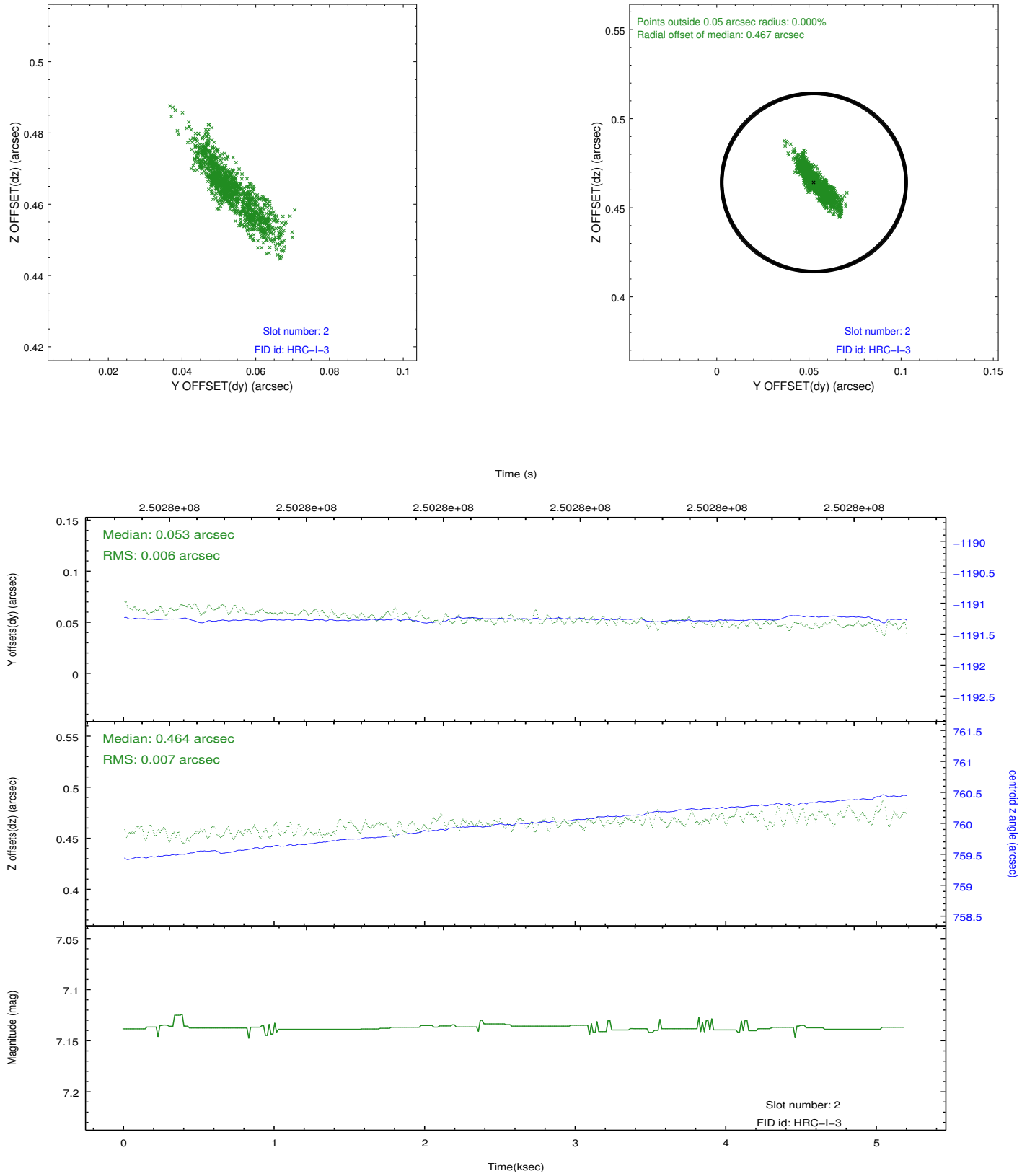
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.193931

A.2 Comments

This observation was performed with a large SIM offset. As a result, the fid light positions are offset beyond normally expected ranges.