

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9622 - L2 Version 3
Chandra X-Ray Center

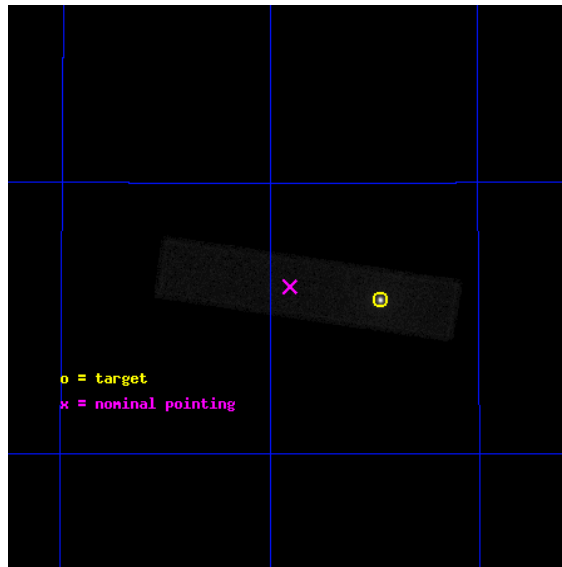
L2 Processing Date : Aug 12 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

seq_num	290745	Sequence number
obs_id	9622	Observation id
title	AO9 Measurements of the optical/UV Transmission of the HRC Filters.	
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.45268014356	Nominal RA [deg]
dec_nom	38.808444897441	Nominal Dec [deg]
roll_nom	8.3038817148328	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2161.9813546538	[s]
livetime	1706.0679010079	Ontime multiplied by DTCOR
l2events	376514	Number of level 2 events

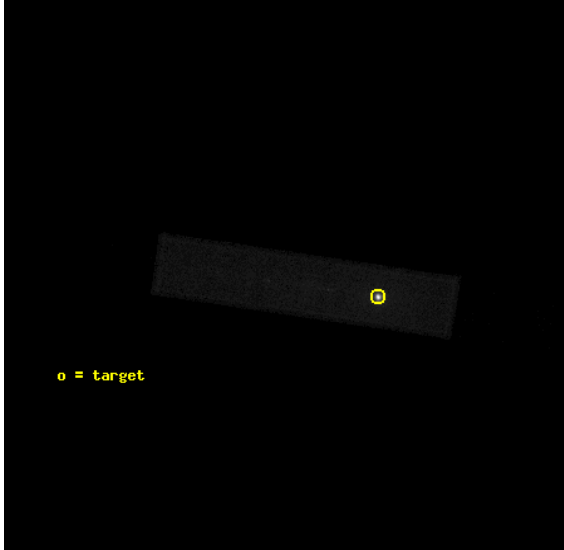


2 OBI

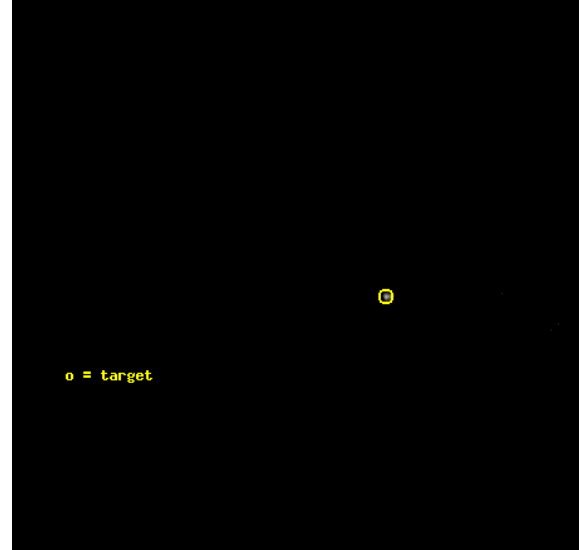
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2161.9813546538	[s]
caldbver	4.5.1.1	 	l1events	453842	Number of level 1 events
date	2012-08-12T08:57:28	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

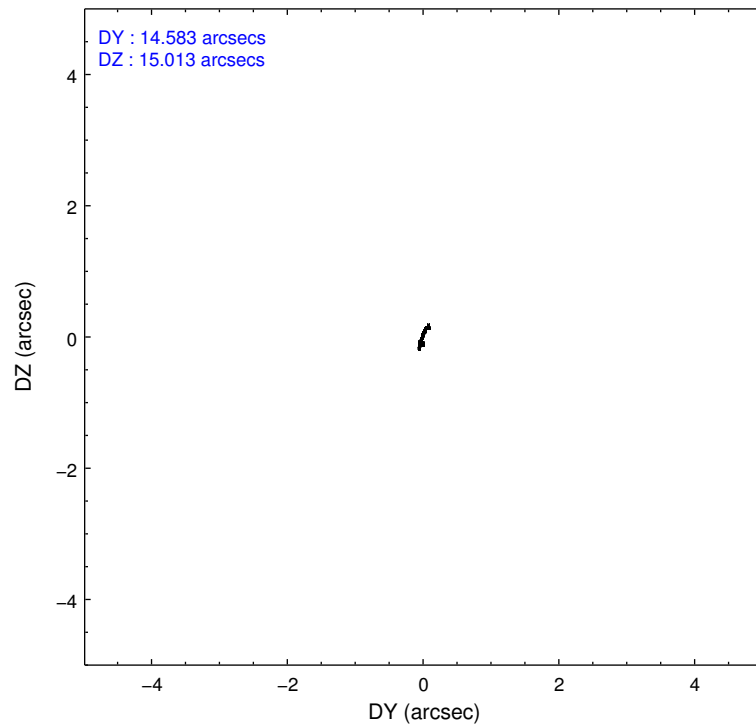
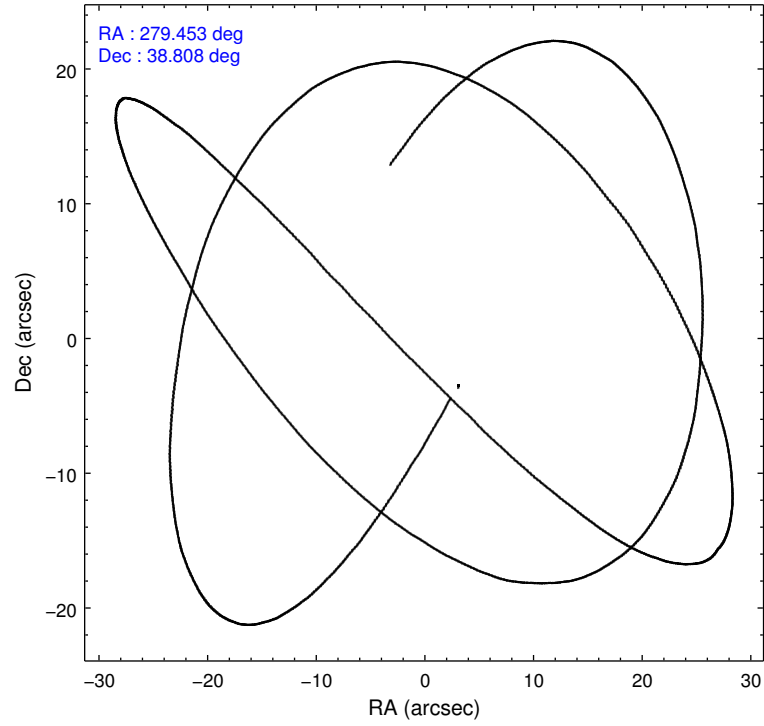
Level 1 Events

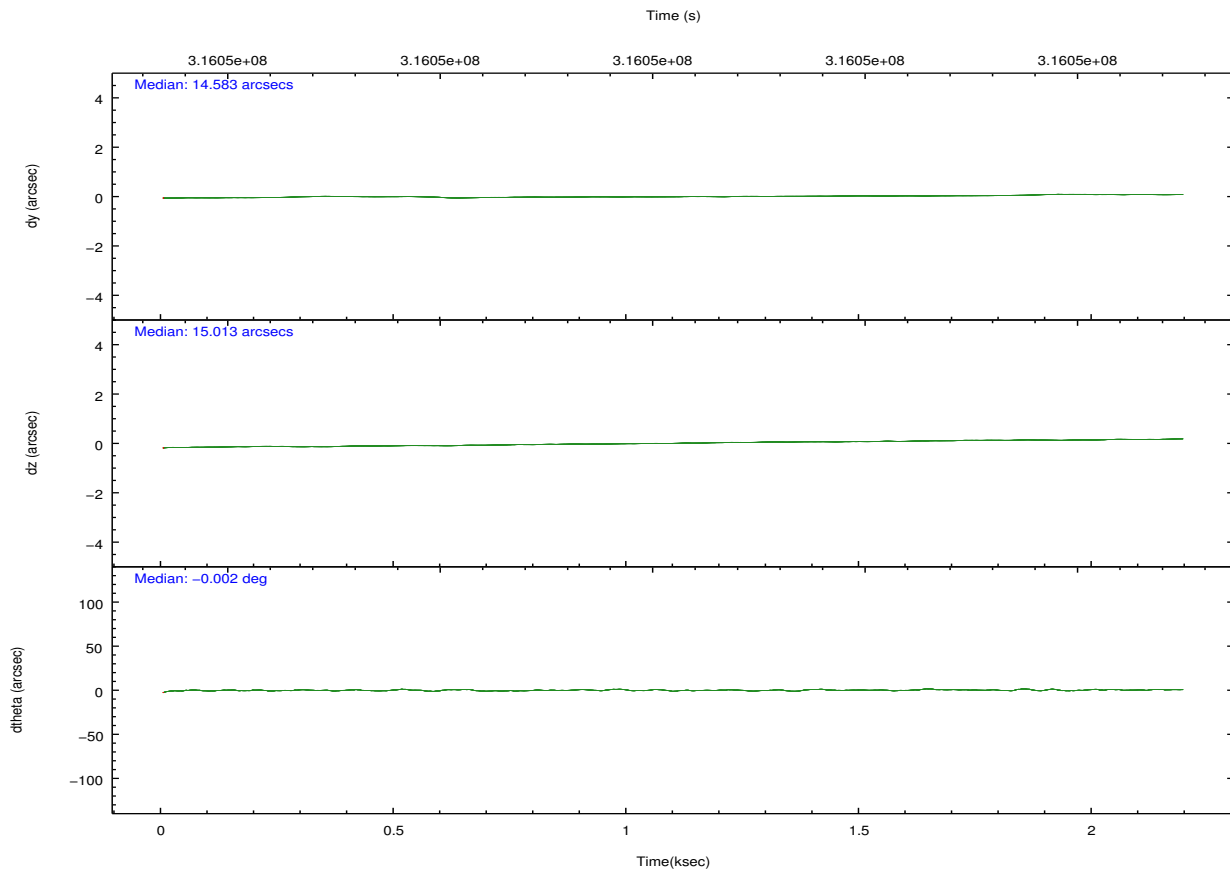
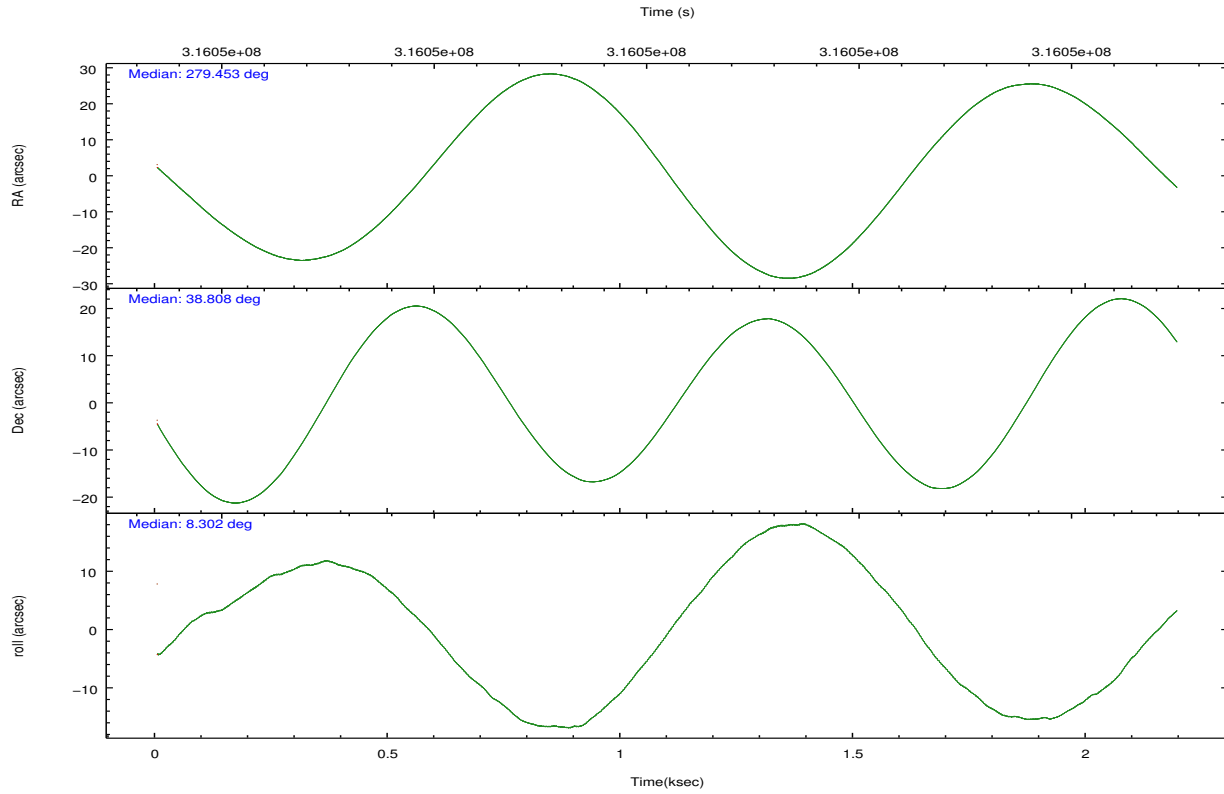
	segment 1	segment 2	segment 3
level 1 events	6372	446176	1294
rejected events	6336	47535	1294
rejected %	99%	10%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.424933	279.4526801435584			
[deg] Pointing Dec	38.789570	38.80844489744144			
[deg] Pointing Roll	8.253960	8.303881714832762			
[s] Window start time (MET)	312854465.184000	312854465.184000			
[s] Window stop time (MET)	320544065.184000	320544065.184000			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	316051141.184000	316050764.92797			
Observation start date	2008-01-06T23:57:56	2008-01-06T23:52:44			
[s] Observation end time (MET)	316053141.184000	316053275.15309			
Observation end date	2008-01-07T00:31:16	2008-01-07T00:34:35			

2.3 Aspect



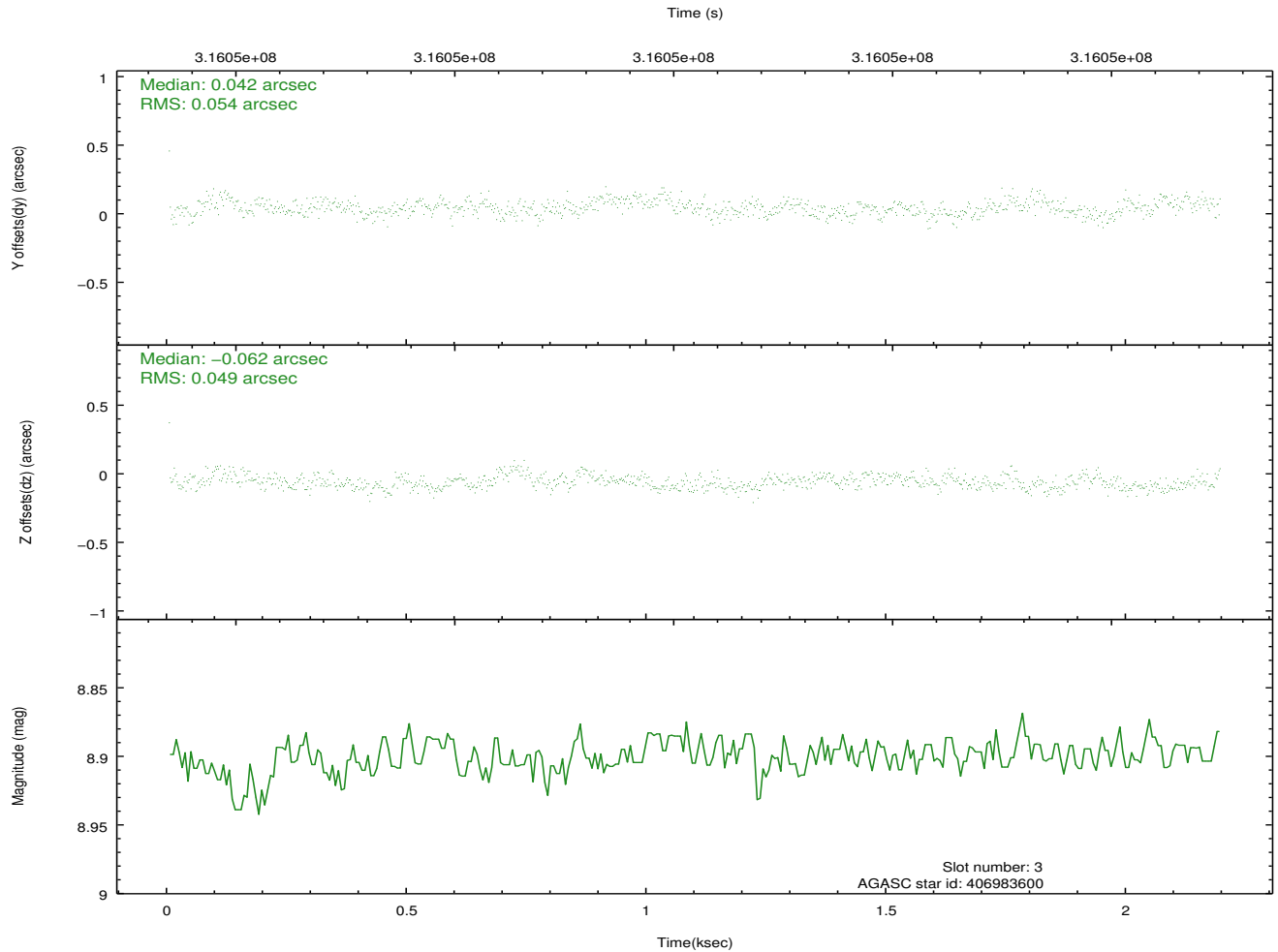
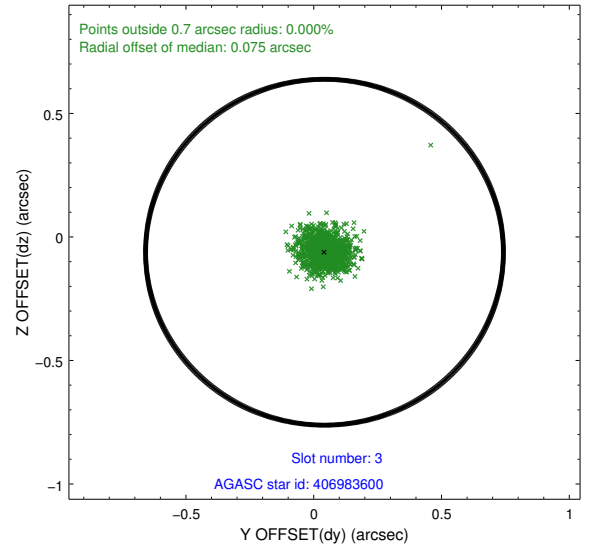
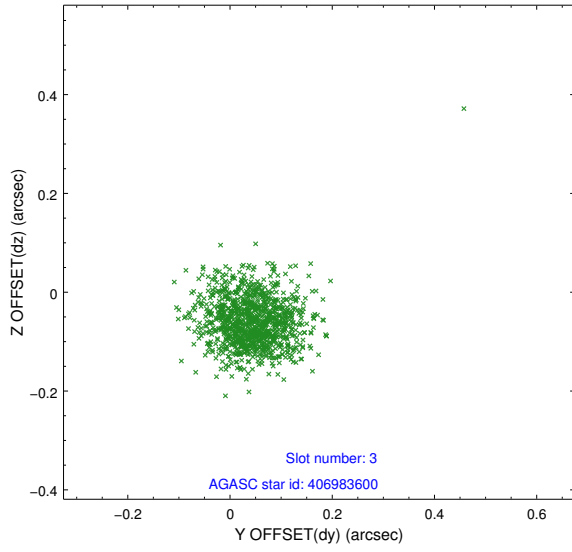


Slot Statistics

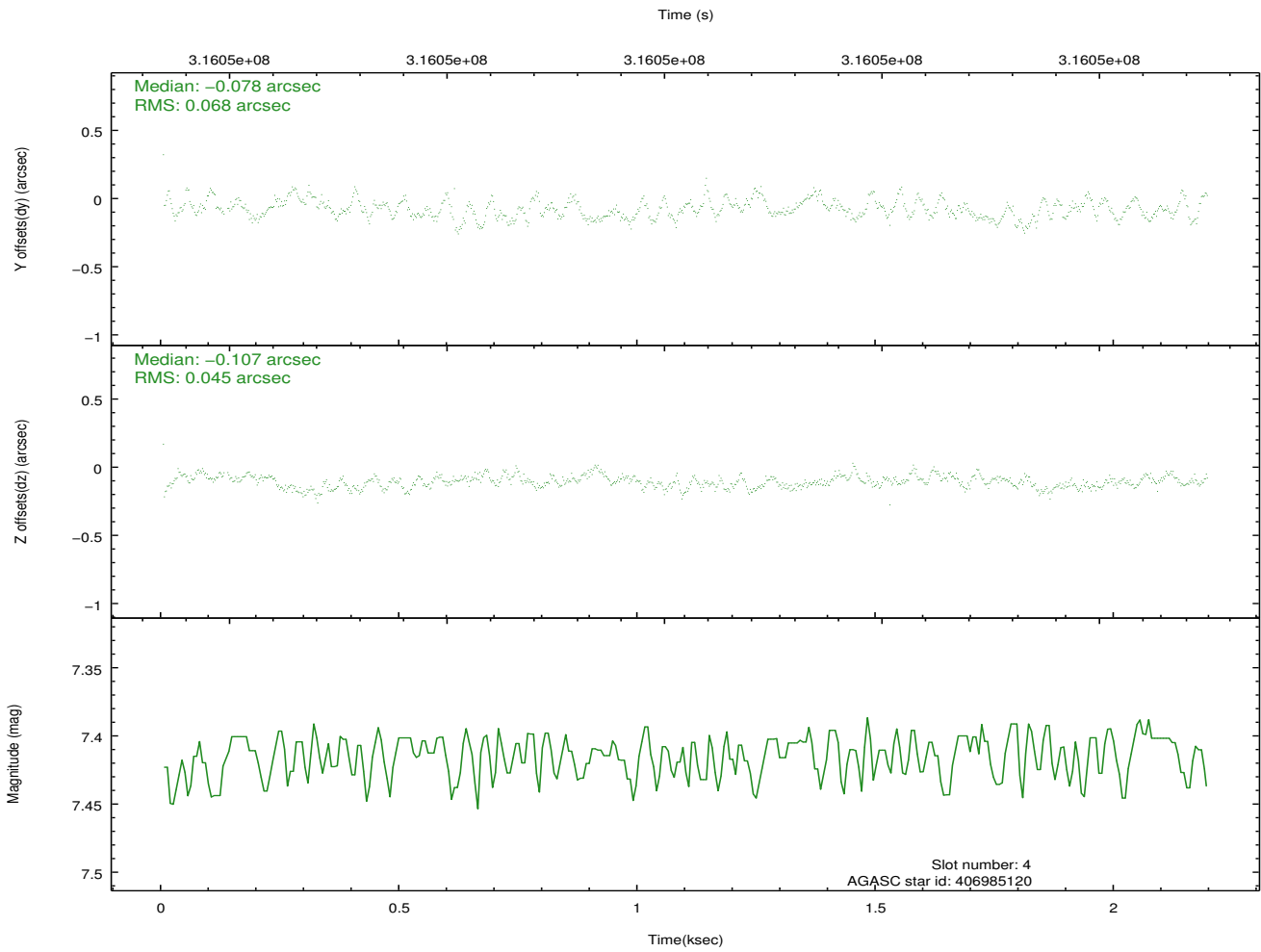
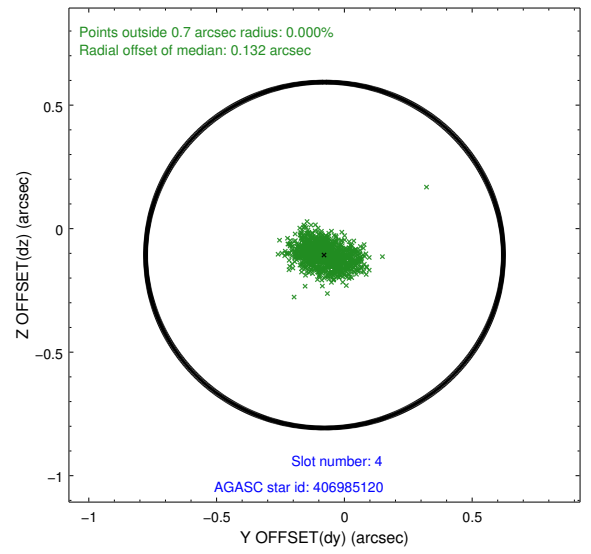
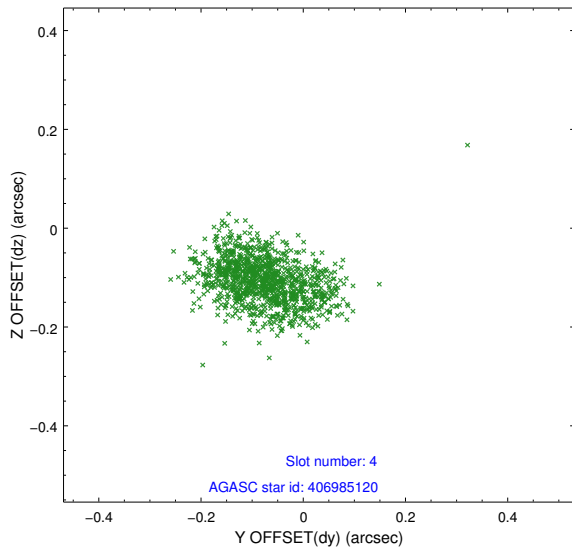
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	535	0.086	-0.222	0.007	0.011	0.000000	0.000000	-1168.97	-463.91
1	FID	HRC-S-2	6.99	535	0.178	-0.102	0.005	0.010	0.000000	0.000000	1228.59	-457.34
2	FID	HRC-S-3	7.01	535	0.125	0.022	0.007	0.010	0.000000	0.000000	-1169.34	565.00
3	GUIDE	406983600	8.90	1070	0.042	-0.062	0.073	0.122	279.940957	39.020708	1549.20	619.79
4	GUIDE	406985120	7.41	1067	-0.078	-0.107	0.087	0.141	278.839732	38.894839	-1566.00	616.22
5	GUIDE	406987384	8.96	1068	0.084	0.275	0.090	0.143	278.815518	38.115336	-2057.03	-2147.73
6	GUIDE	406989616	8.23	1070	0.164	0.047	0.090	0.148	279.202881	38.520843	-759.25	-868.63
7	GUIDE	407513096	8.14	1069	-0.213	-0.153	0.063	0.101	279.928965	39.436841	1721.22	2108.09

2.4 Star Slots

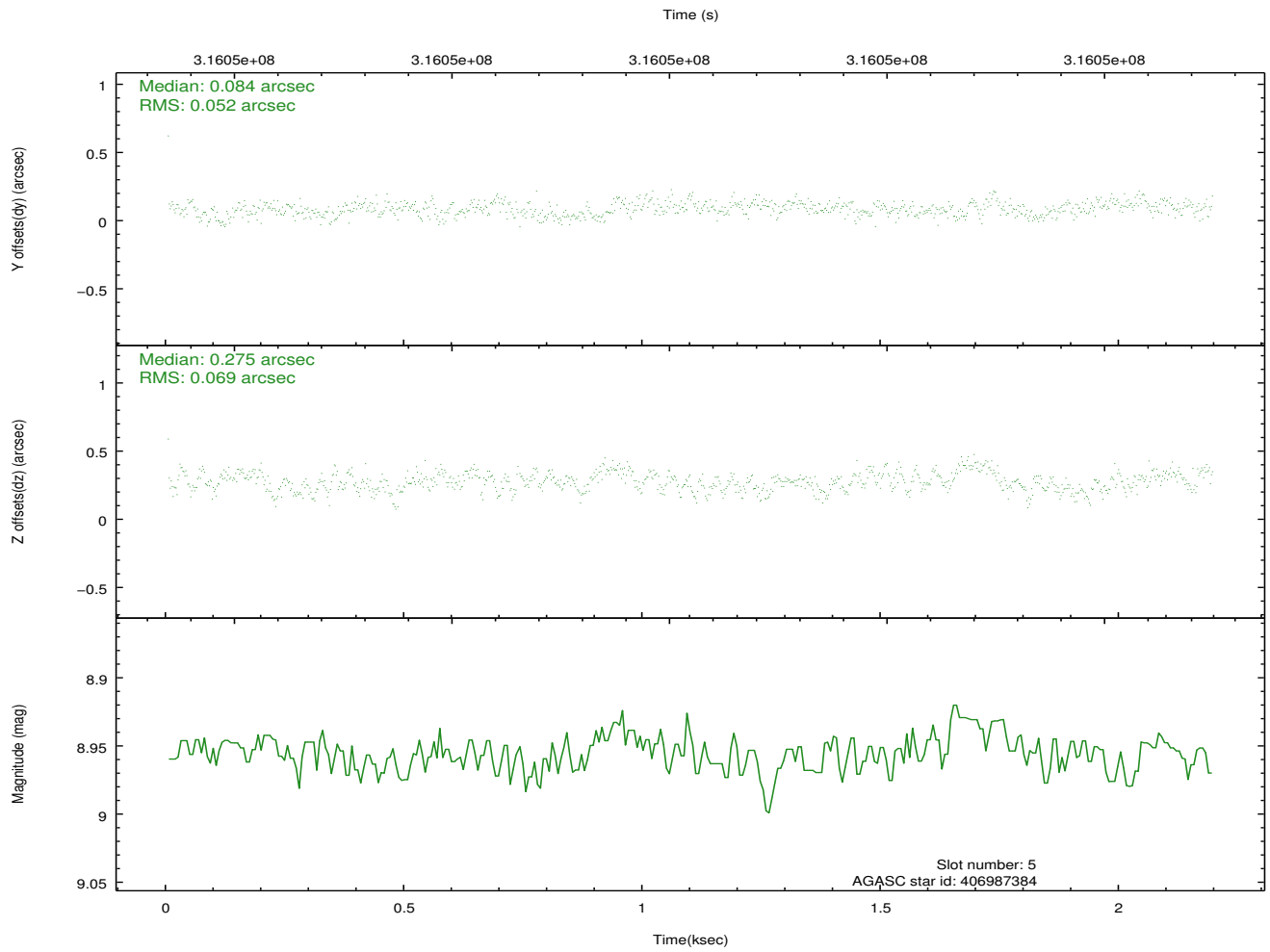
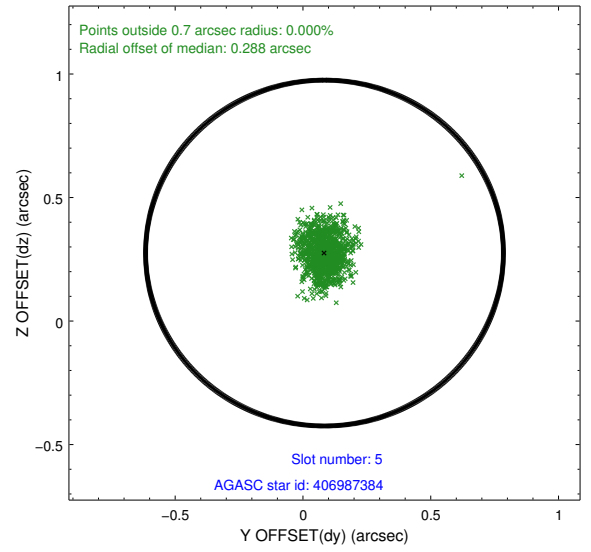
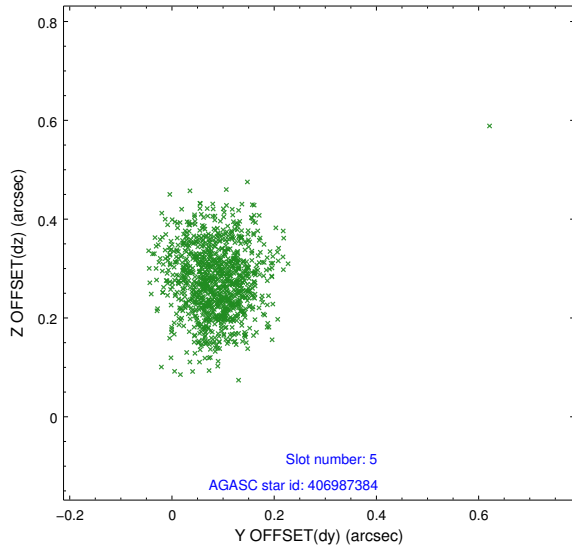
2.4.1 Slot 3



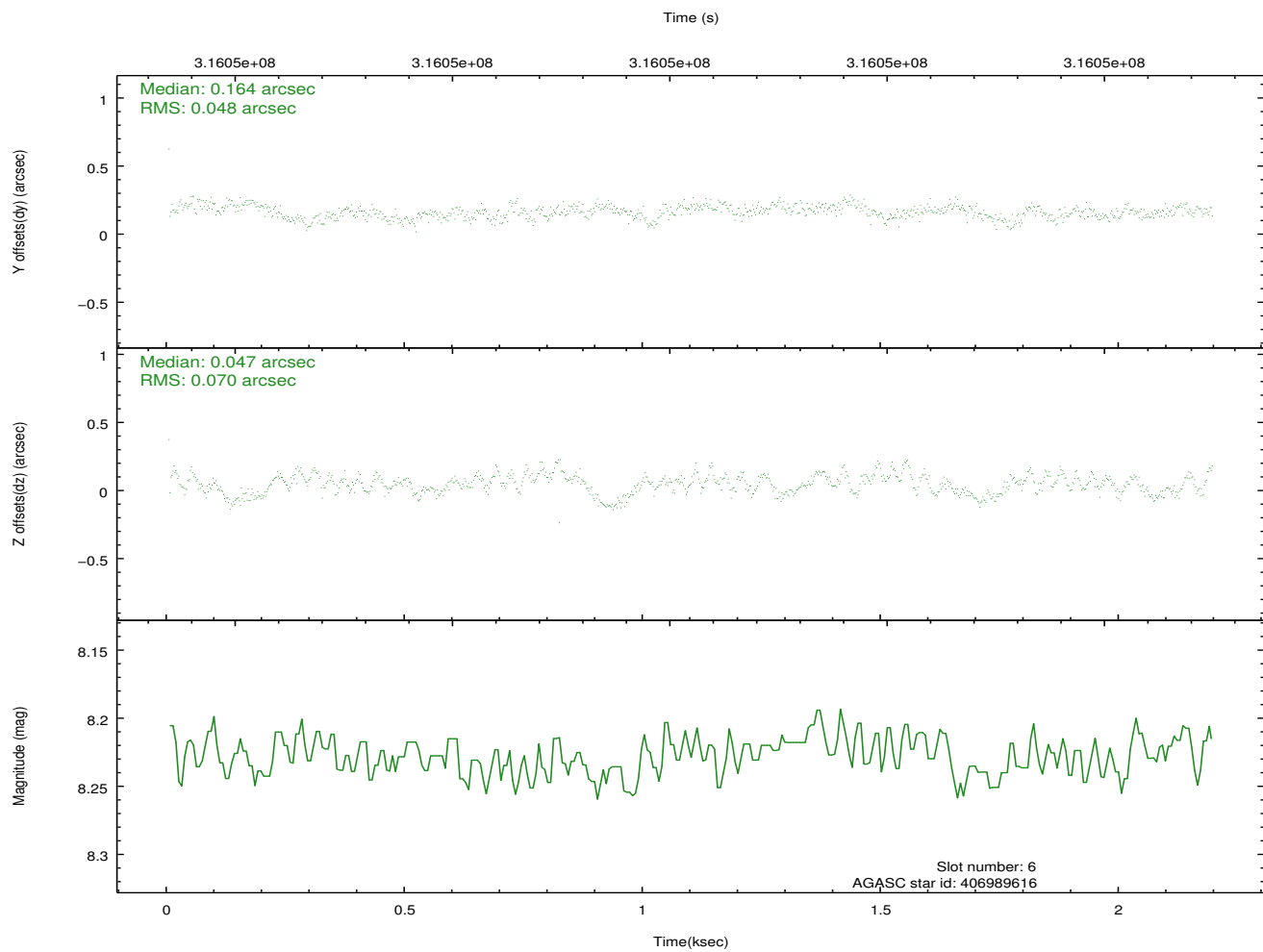
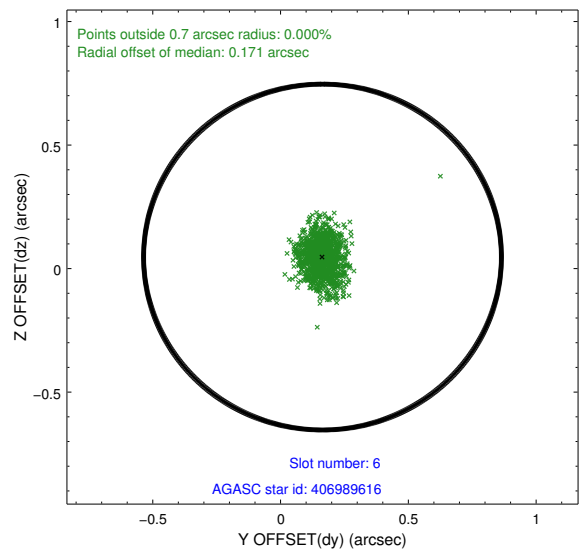
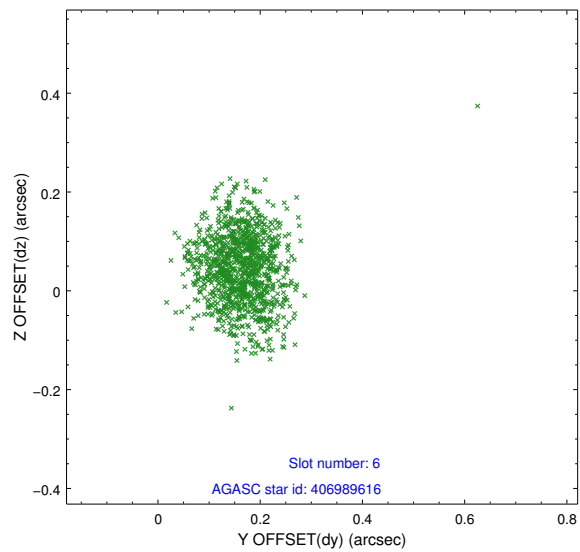
2.4.2 Slot 4



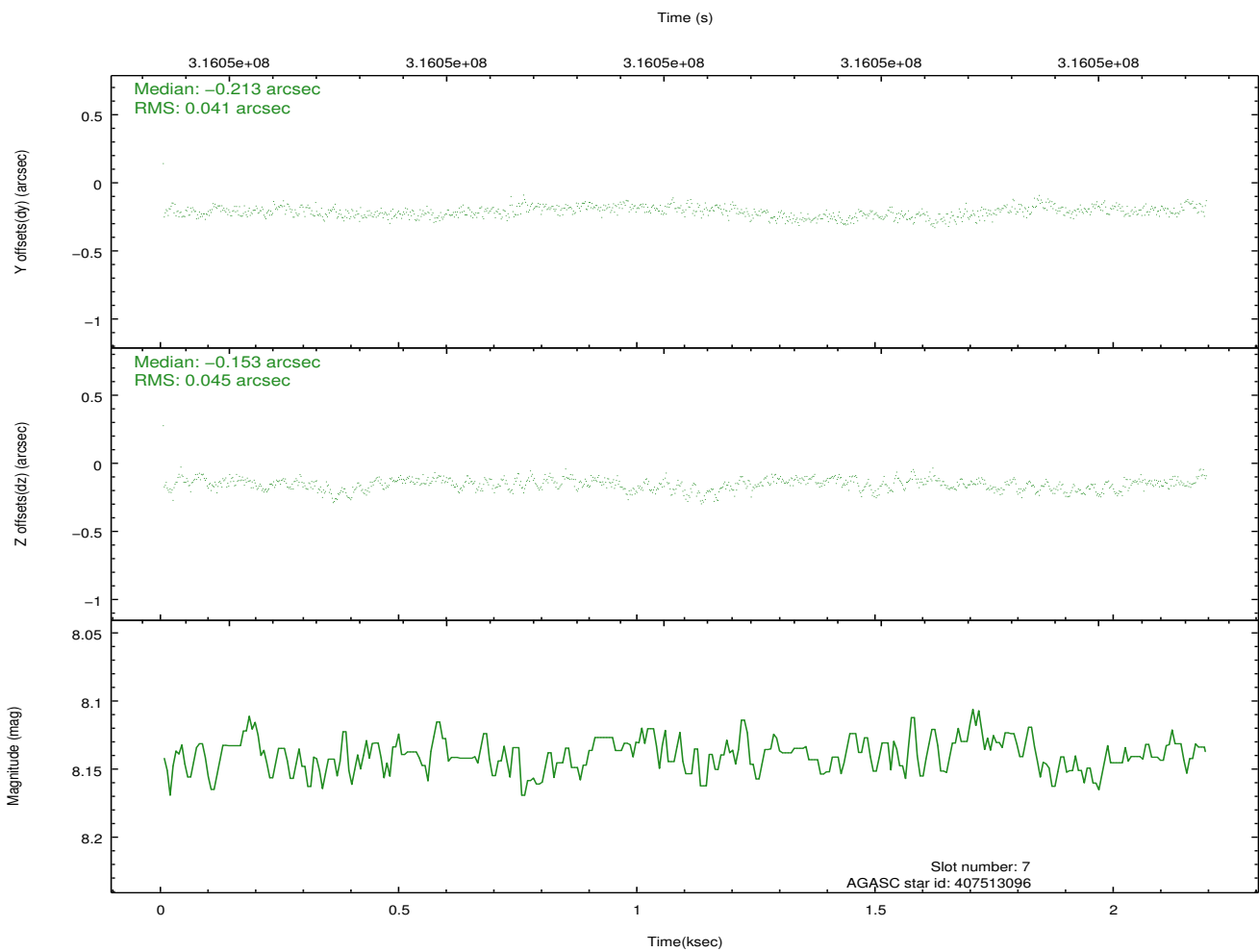
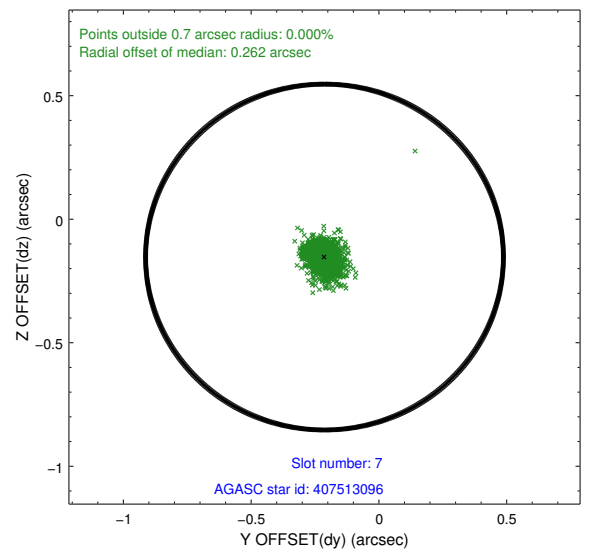
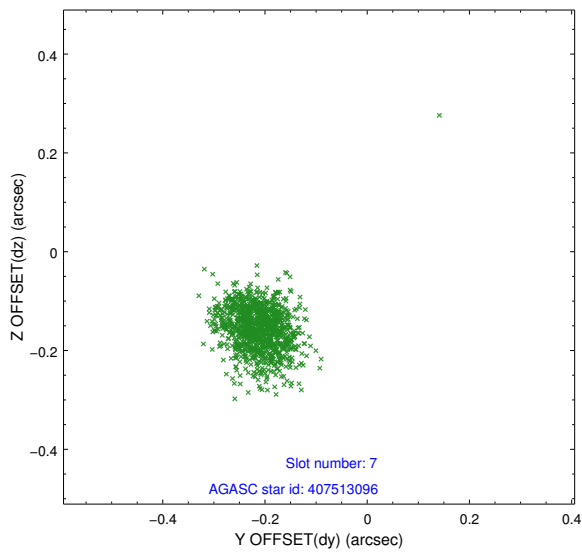
2.4.3 Slot 5



2.4.4 Slot 6

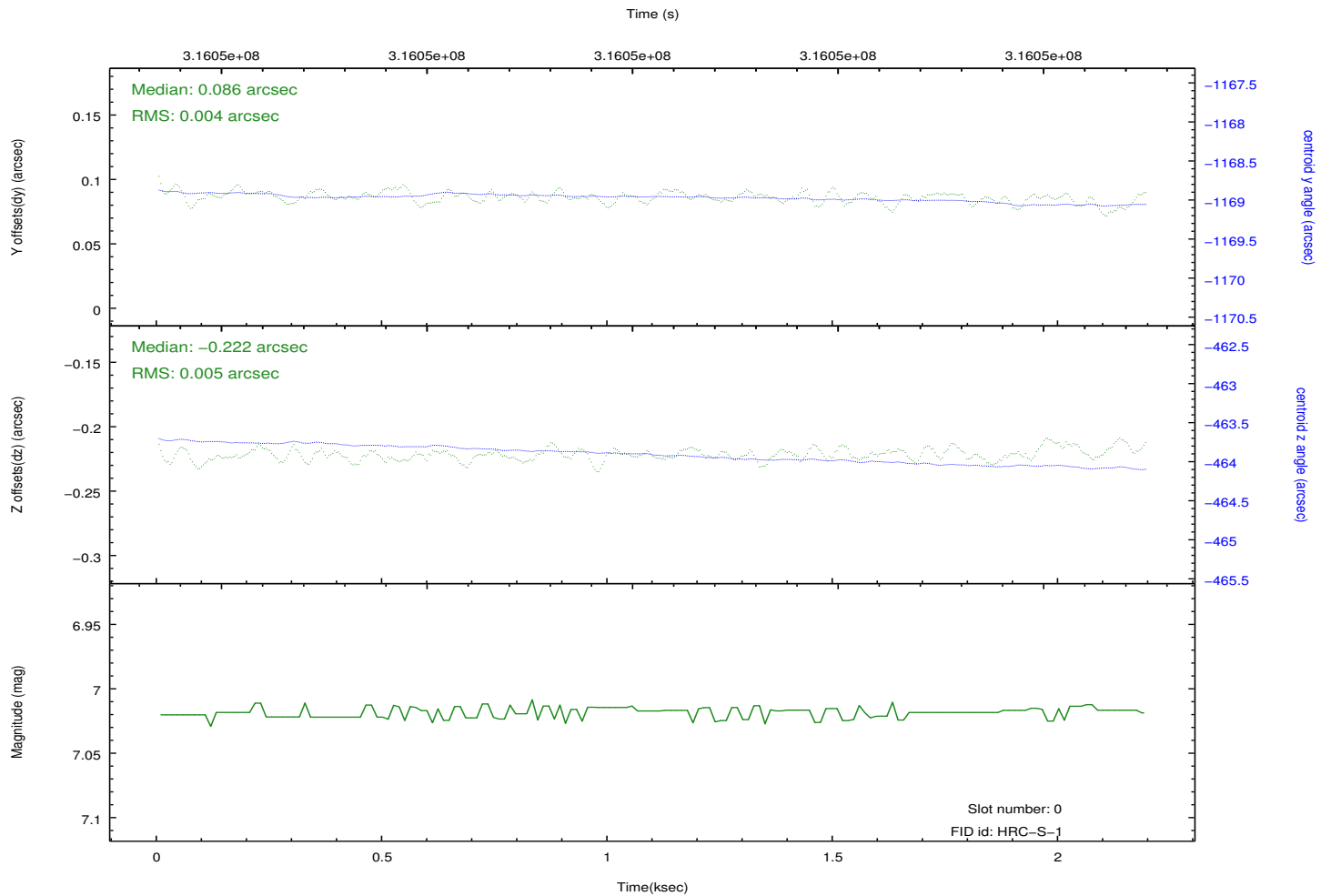
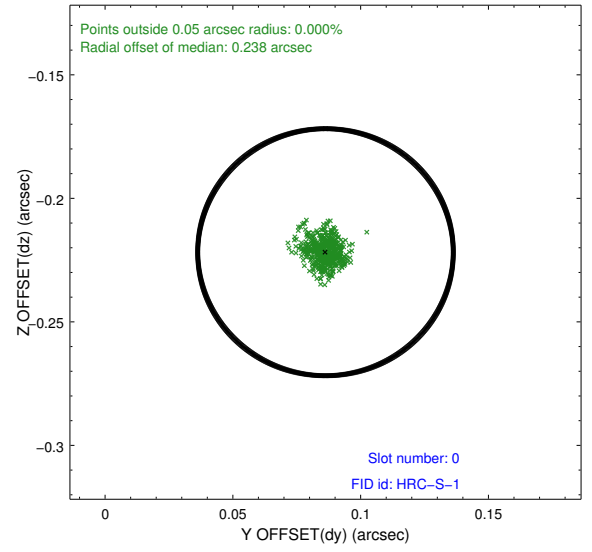
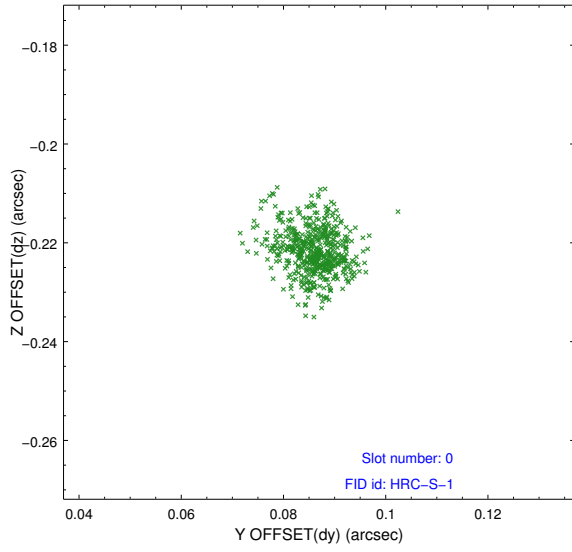


2.4.5 Slot 7

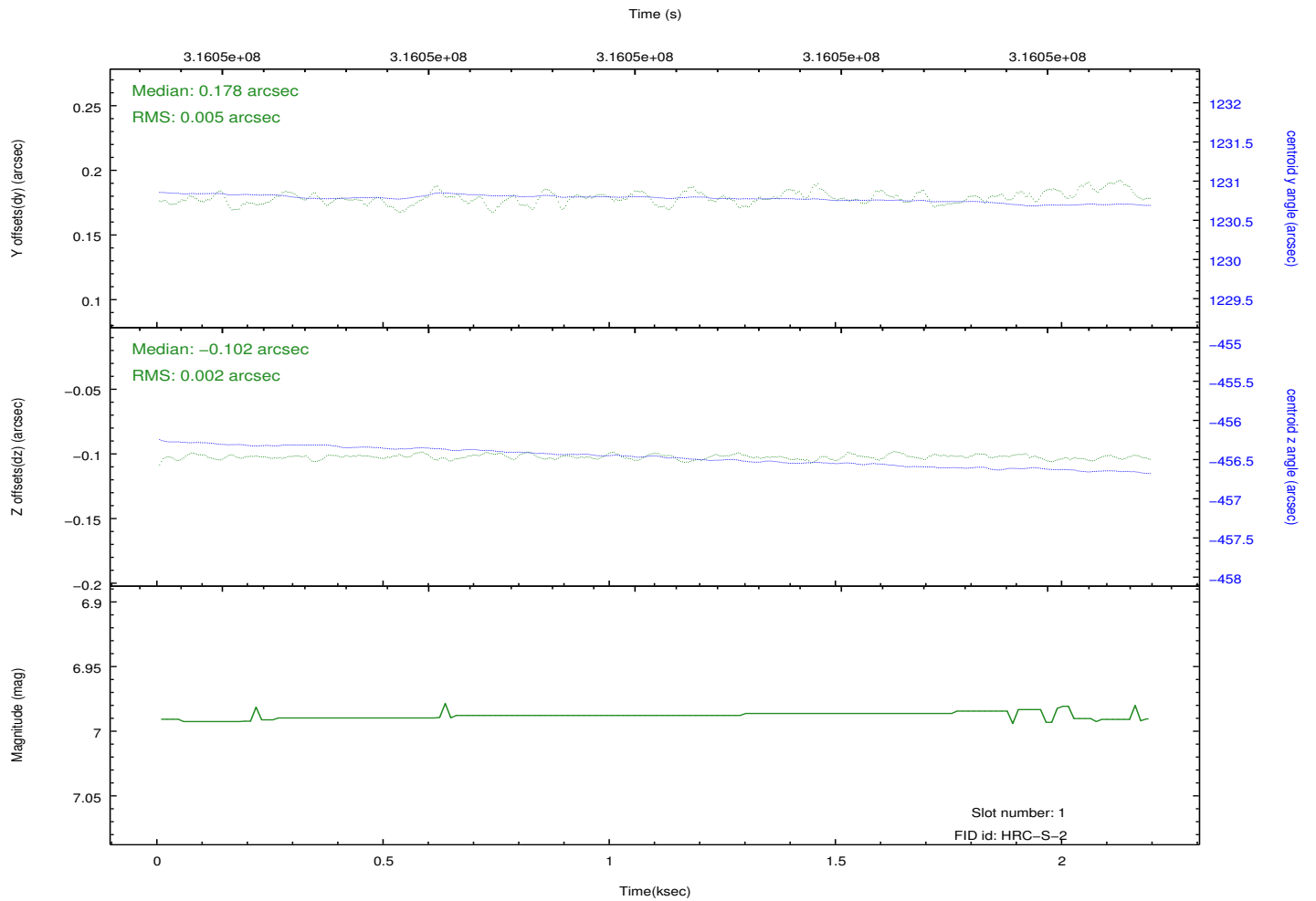
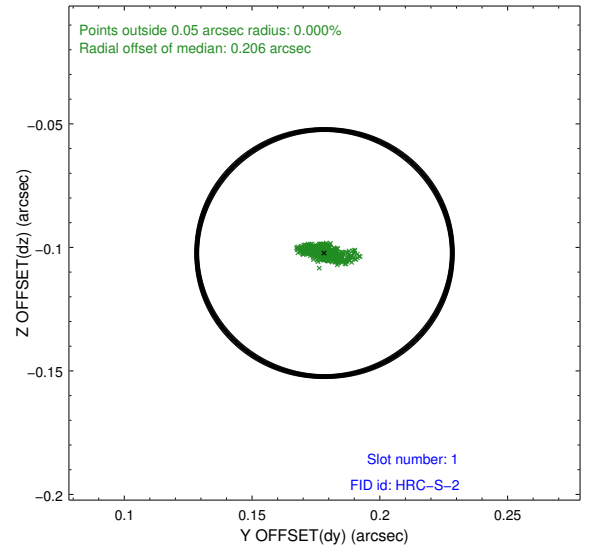
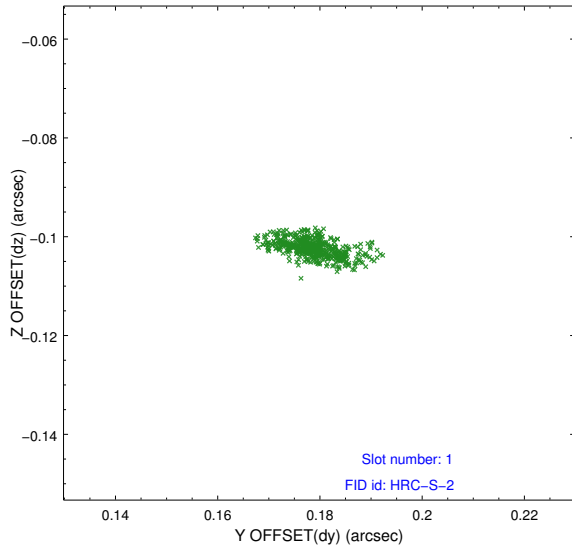


2.5 FID Slots

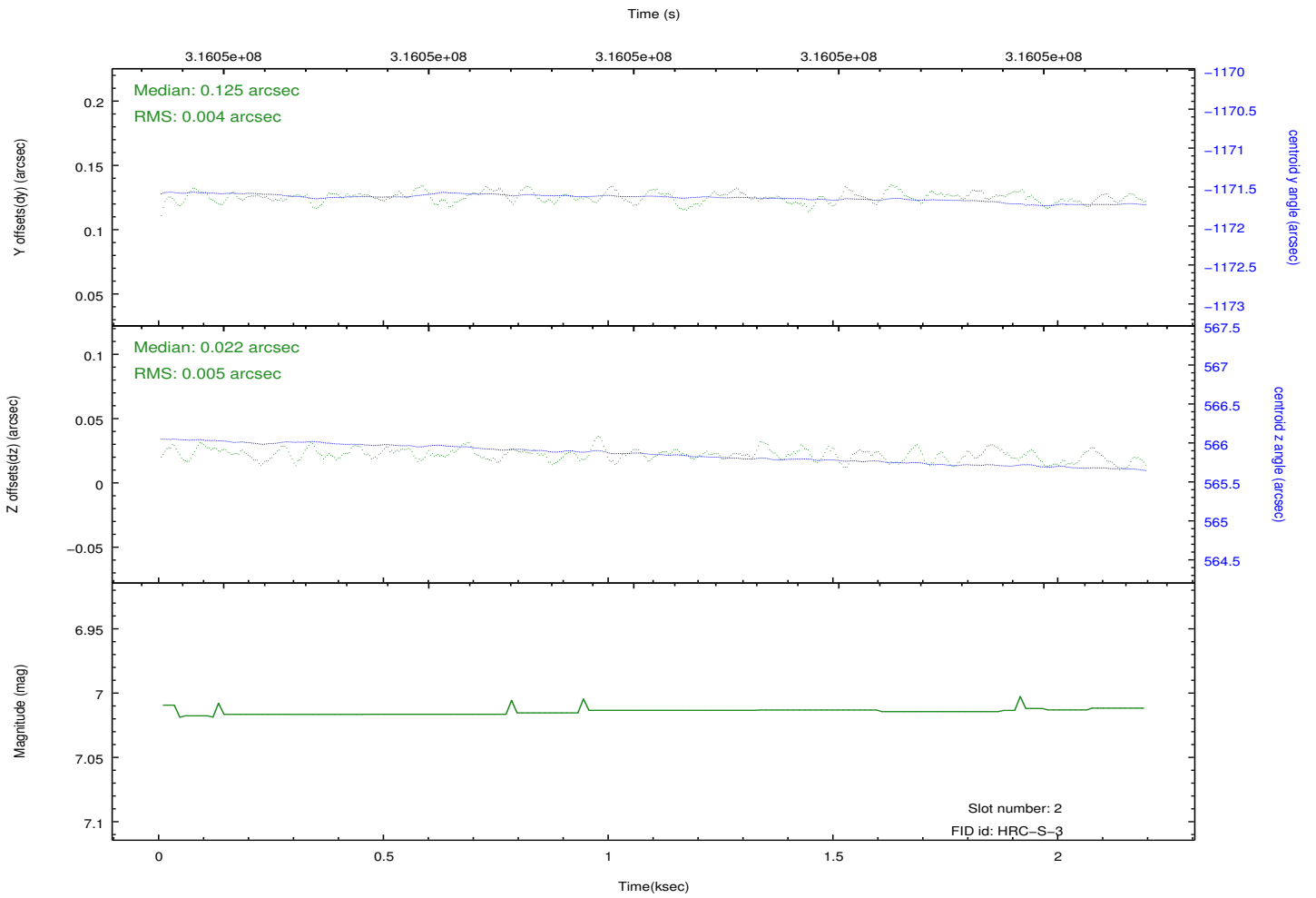
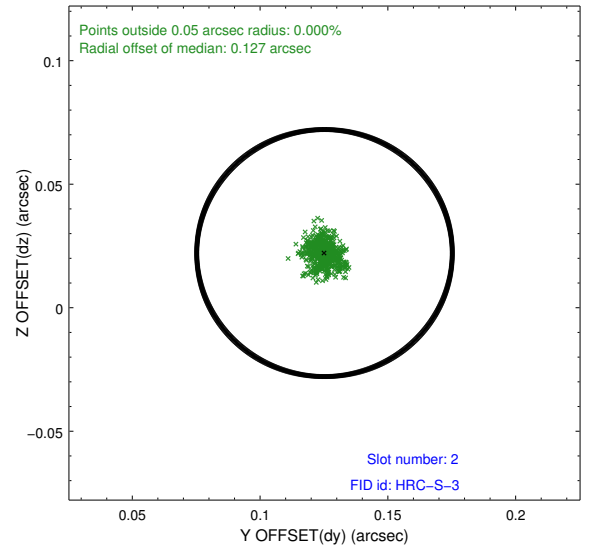
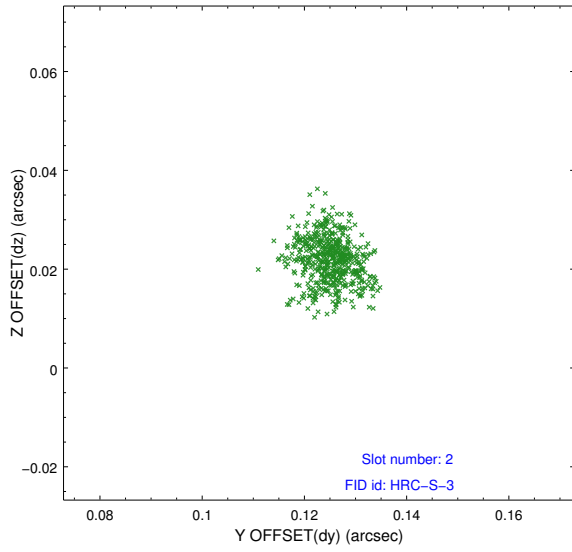
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.16198135

A.2 Comments

Window constraint met.