

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9022 - L2 Version 4
Chandra X-Ray Center

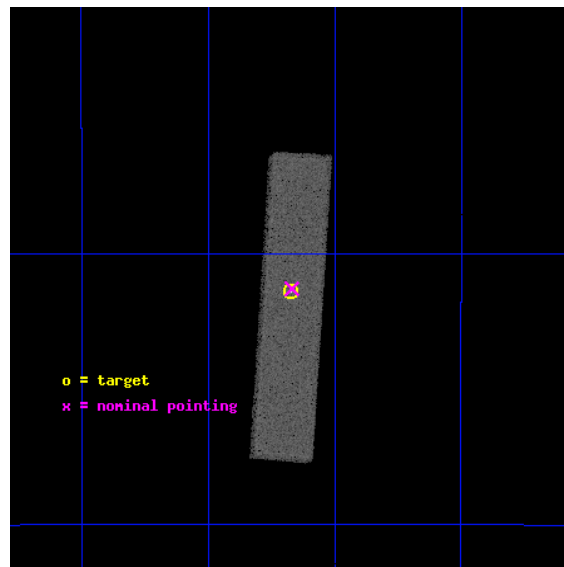
L2 Processing Date : Aug 12 2012

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1 Front

seq_num	400873	Sequence number
obs_id	9022	Observation id
title	Precise Localization of Neutron Star Soft X-ray Transients	Proposa
observer	Prof. Deepto Chakrabarty	Principal investigator
object	XTE J1810-189	Source name
ra_targ	272.58625	Observer's specified target RA [deg]
dec_targ	-19.069722	Observer's specified target Dec [deg]
ra_nom	272.58464308579	Nominal RA [deg]
dec_nom	-19.064854346433	Nominal Dec [deg]
roll_nom	93.613738813594	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1151.3313060999	[s]
livetime	1145.3020790658	Ontime multiplied by DTCOR
l2events	64097	Number of level 2 events

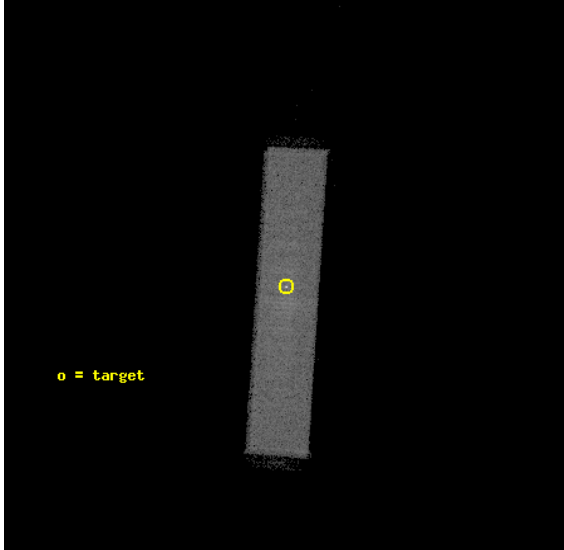


2 OBI

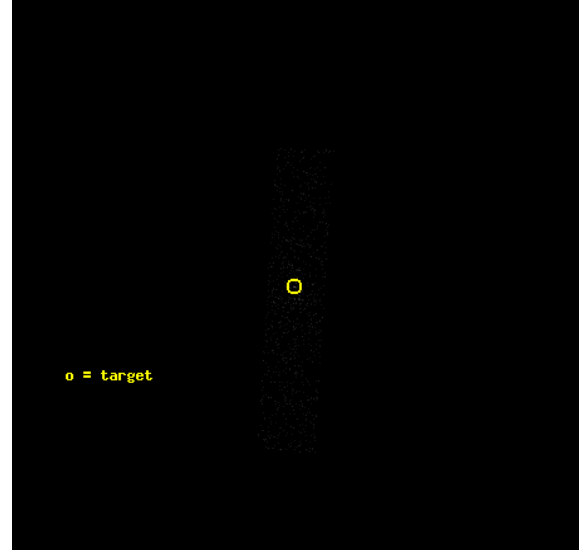
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1151.3313060999	[s]
caldbver	4.5.1.1	 	l1events	165577	Number of level 1 events
date	2012-08-12T11:27:00	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

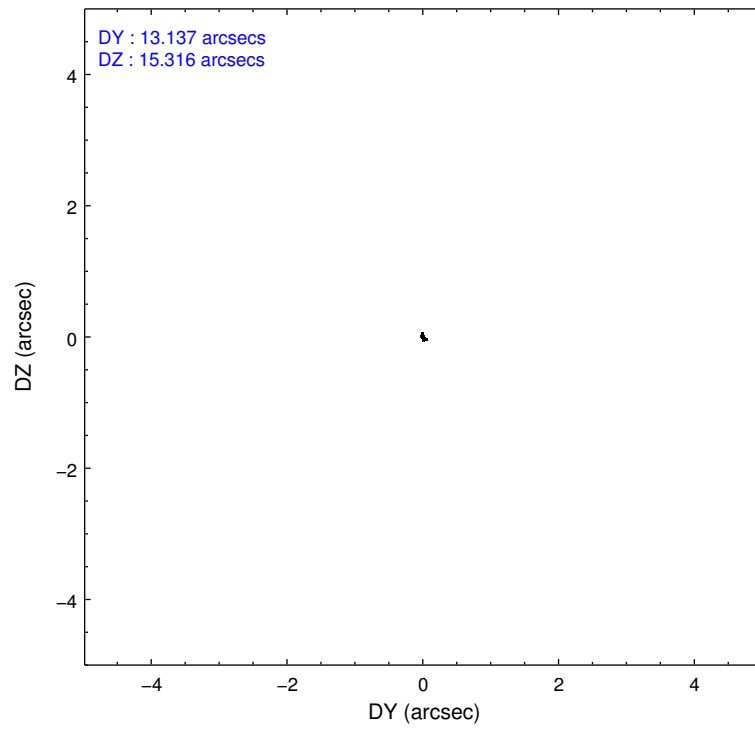
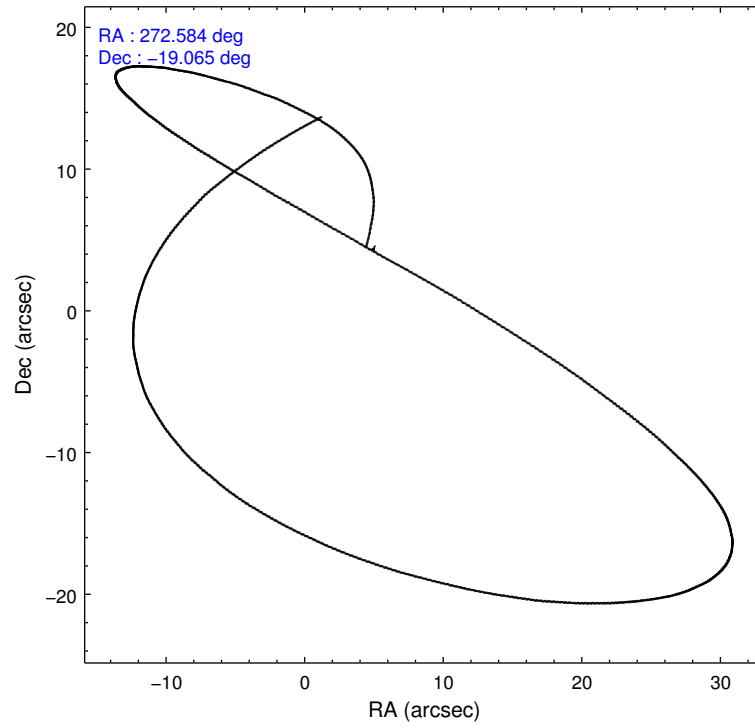
	segment 1	segment 2	segment 3
level 1 events	202	165369	6
rejected events	99	77529	5
rejected %	49%	46%	83%

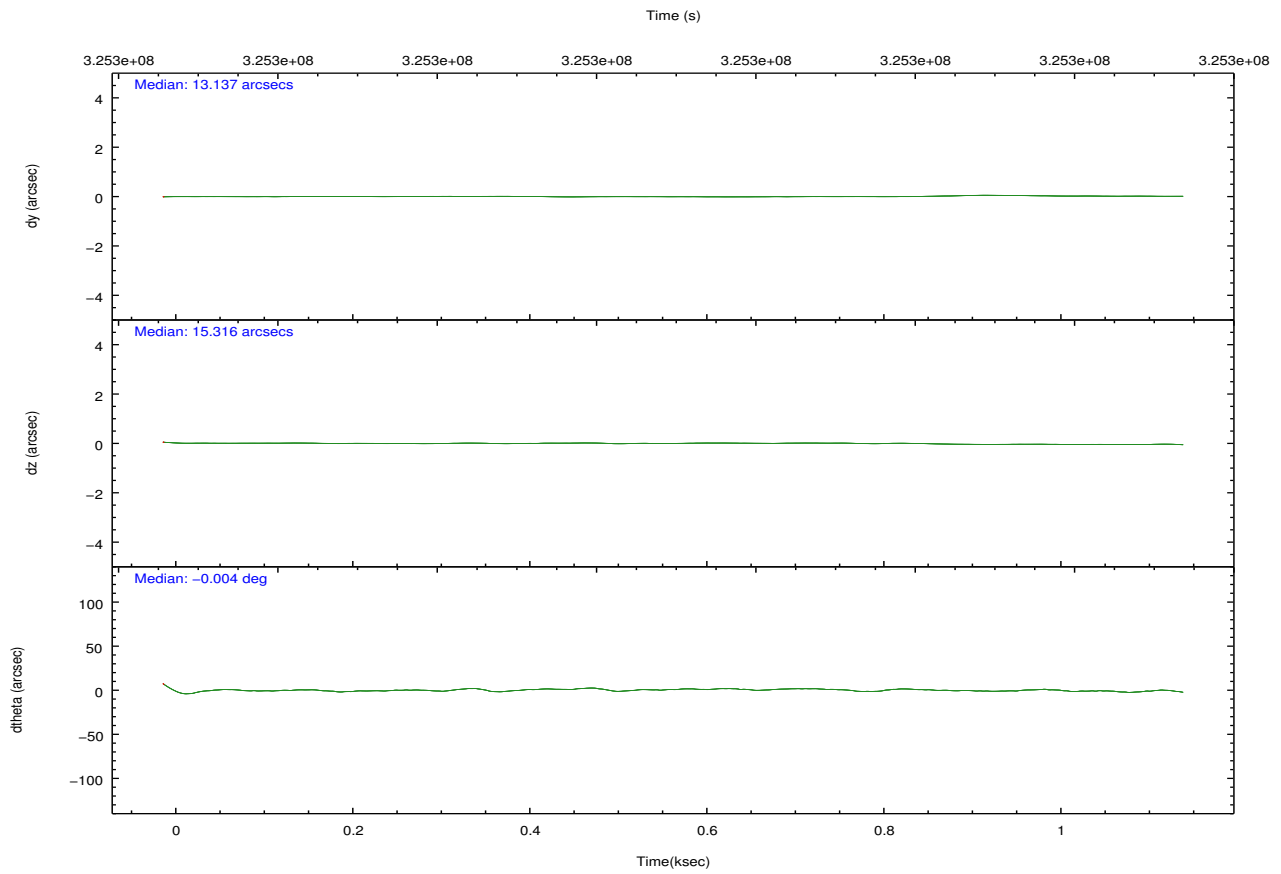
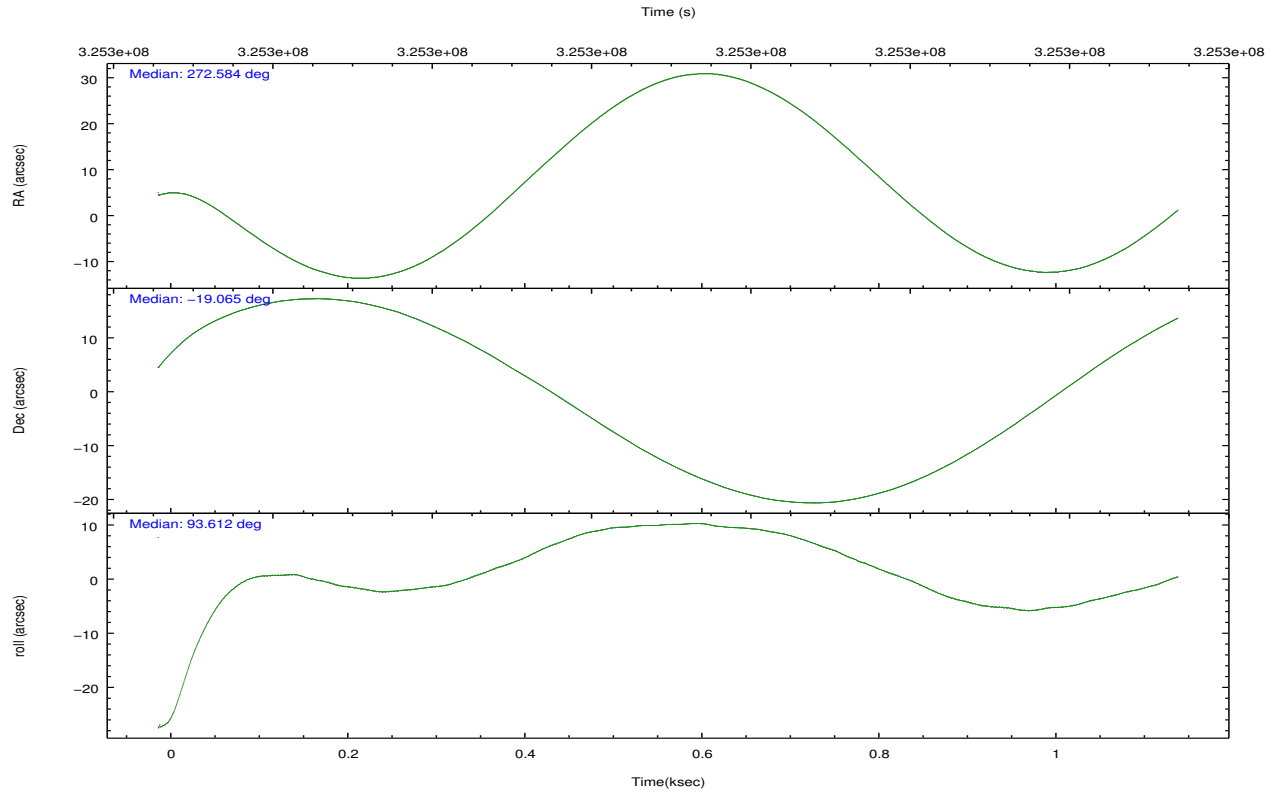
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	272.604064	272.5846430857941
[deg] Pointing Dec	-19.088050	-19.06485434643304
[deg] Pointing Roll	93.553085	93.61373881359435
[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)	325298059.184000	325296927.01465
Observation start date	2008-04-23T00:33:14	2008-04-23T00:15:27
[s] Observation end time (MET)	325299059.184000	325299976.3898
Observation end date	2008-04-23T00:49:54	2008-04-23T01:06:16

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



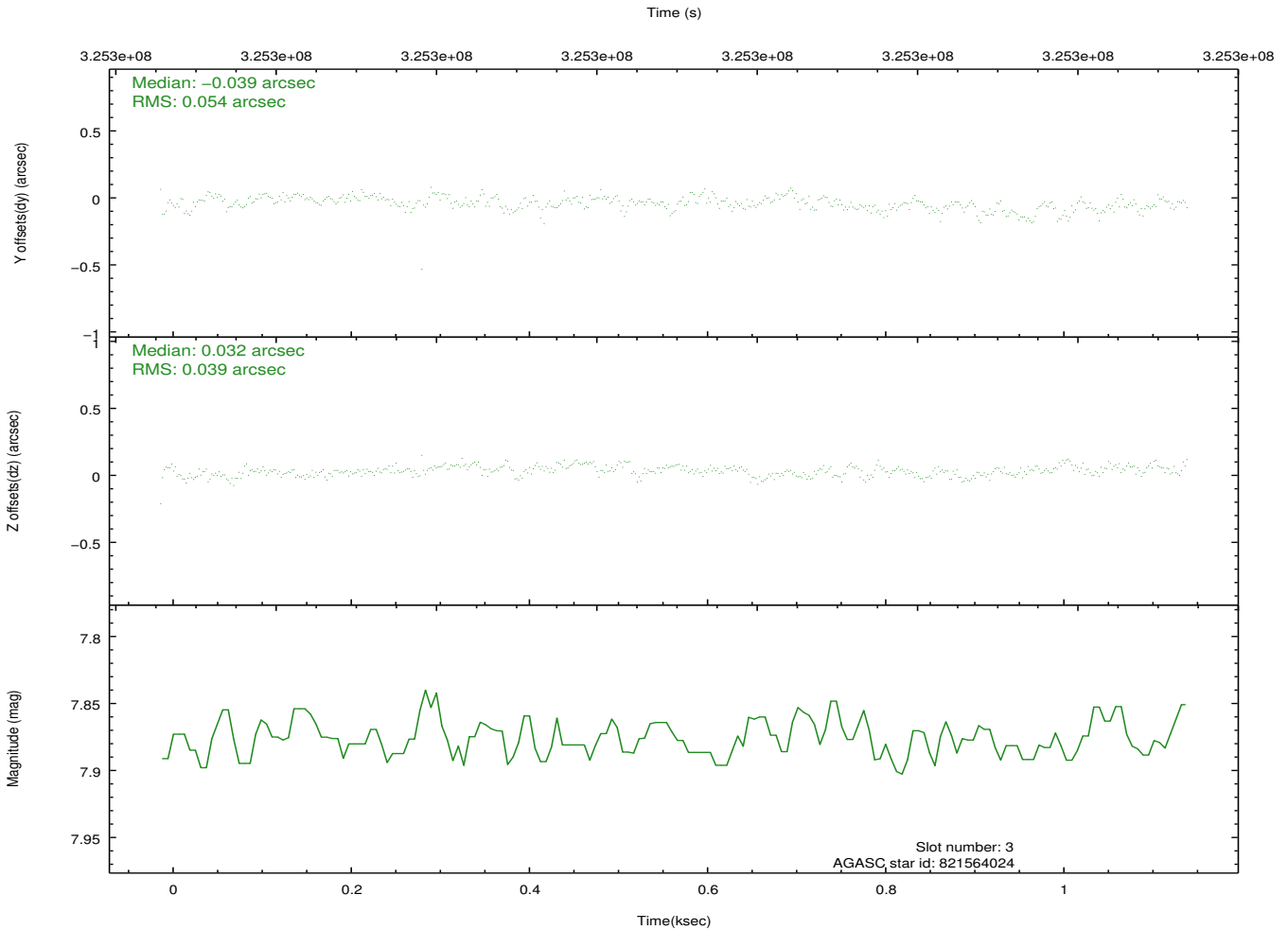
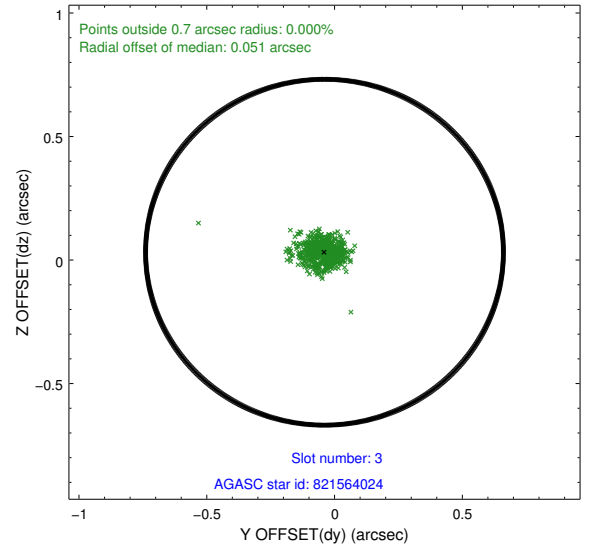
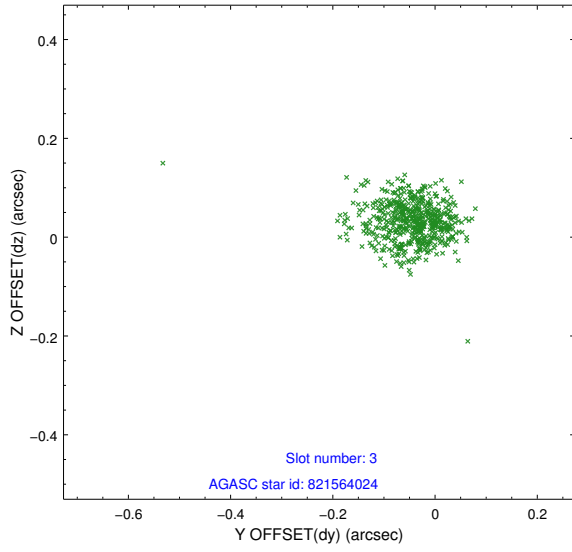


Slot Statistics

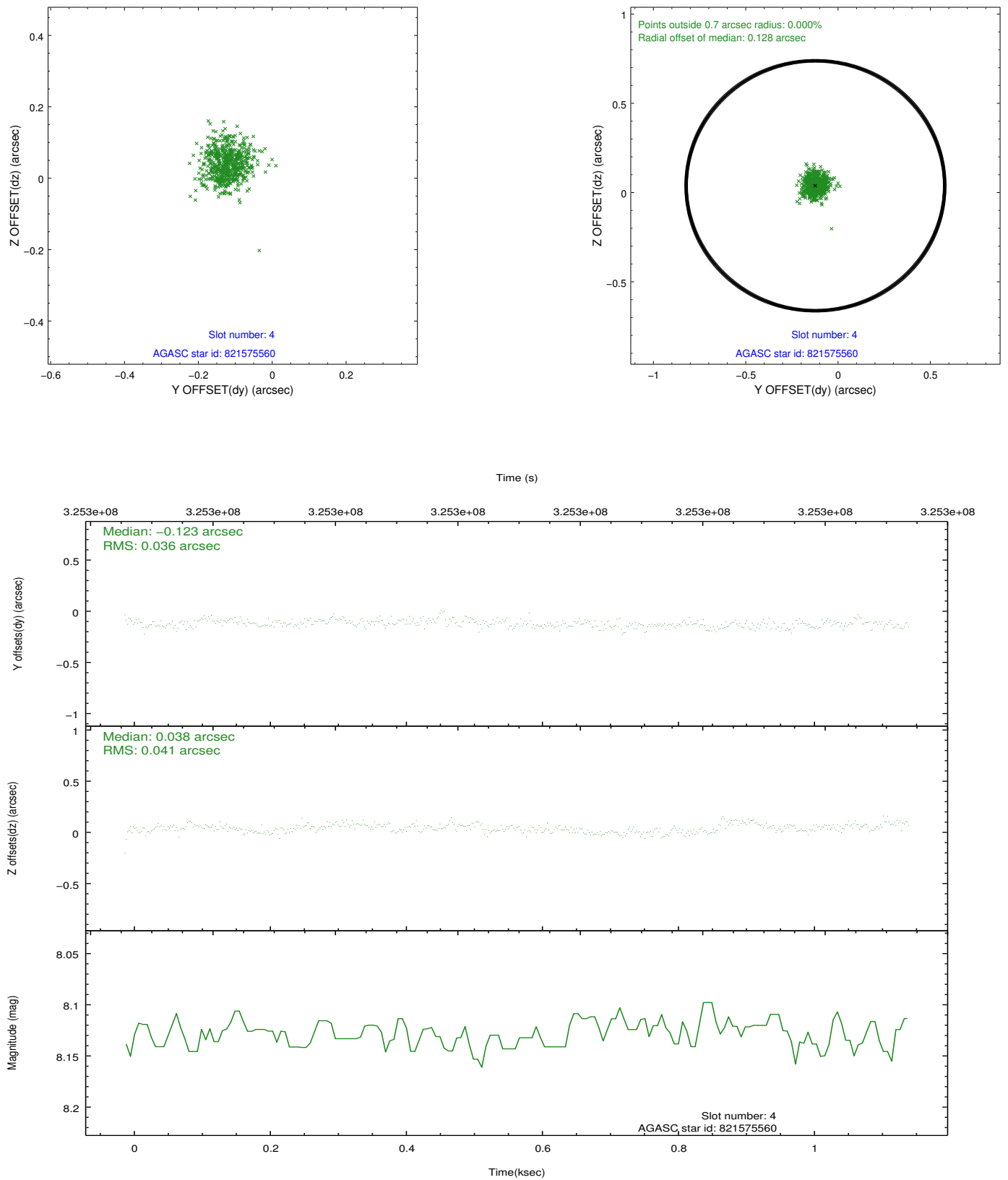
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	282	0.055	-0.206	0.006	0.010	0.000000	0.000000	-1167.50	-464.23
1	FID	HRC-S-3	6.98	282	0.099	-0.023	0.007	0.016	0.000000	0.000000	-1174.33	563.83
2	FID	HRC-S-4	6.92	282	0.234	-0.068	0.004	0.009	0.000000	0.000000	1226.74	570.03
3	GUIDE	821564024	7.88	563	-0.039	0.032	0.066	0.109	272.759965	-18.547608	1908.08	-655.57
4	GUIDE	821575560	8.13	563	-0.123	0.038	0.056	0.093	272.682521	-18.484686	2154.10	-407.53
5	GUIDE	822094768	9.24	562	0.235	0.223	0.095	0.157	273.292799	-19.669391	-2234.48	-2205.42
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	822091704	8.09	562	-0.068	-0.293	0.068	0.102	272.220028	-18.943658	594.00	1264.39

2.4 Star Slots

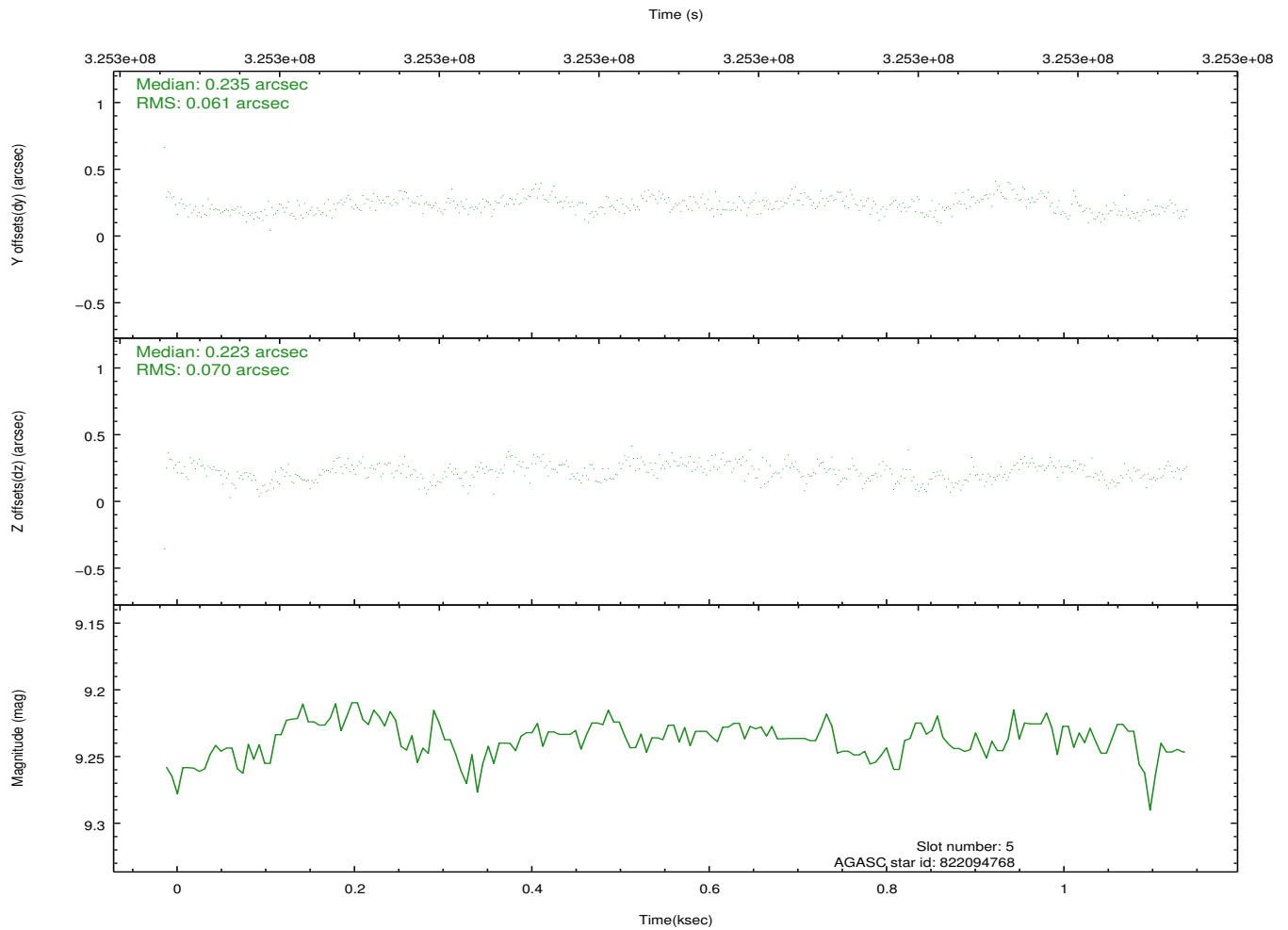
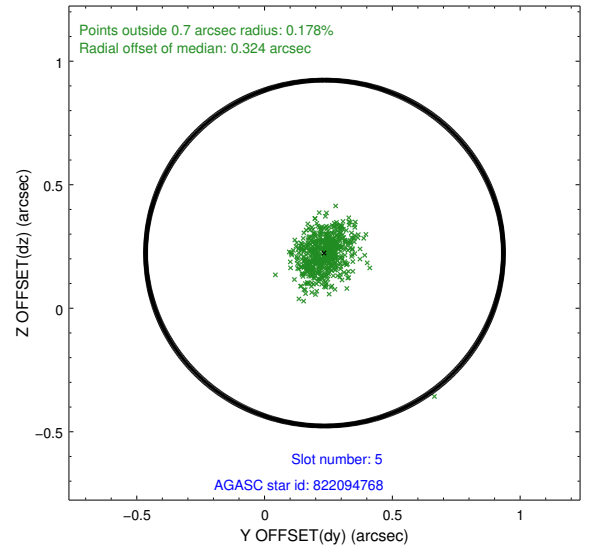
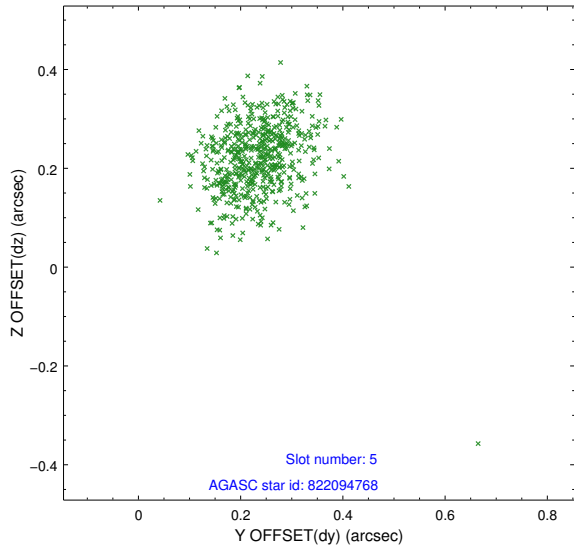
2.4.1 Slot 3



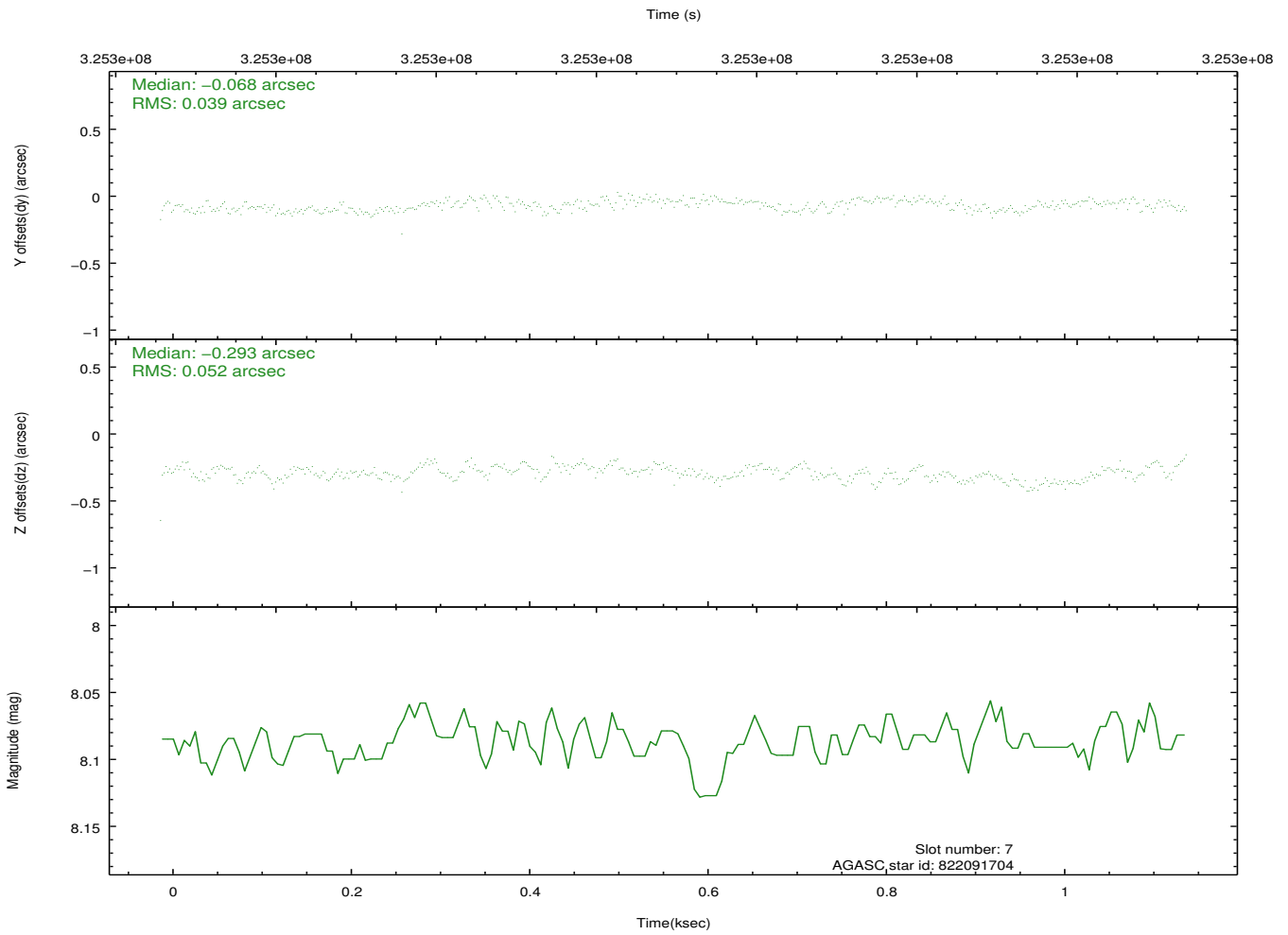
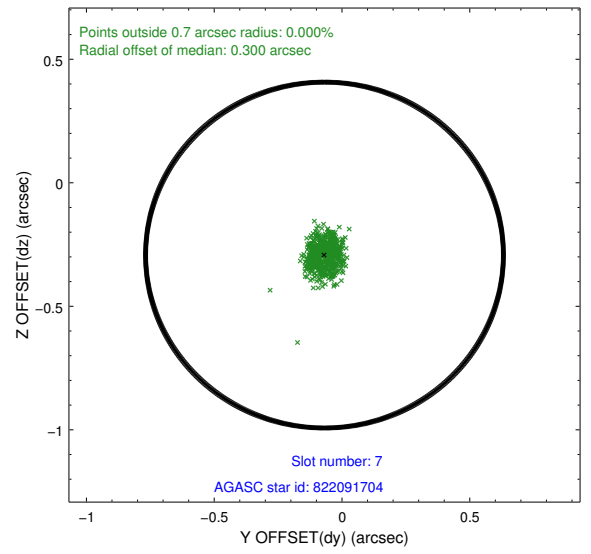
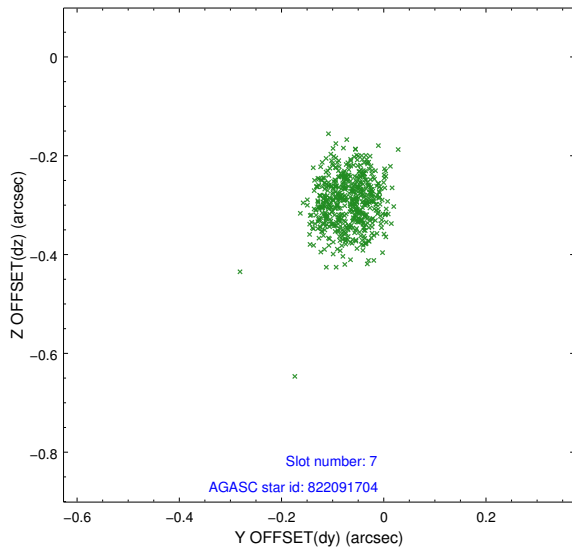
2.4.2 Slot 4



2.4.3 Slot 5

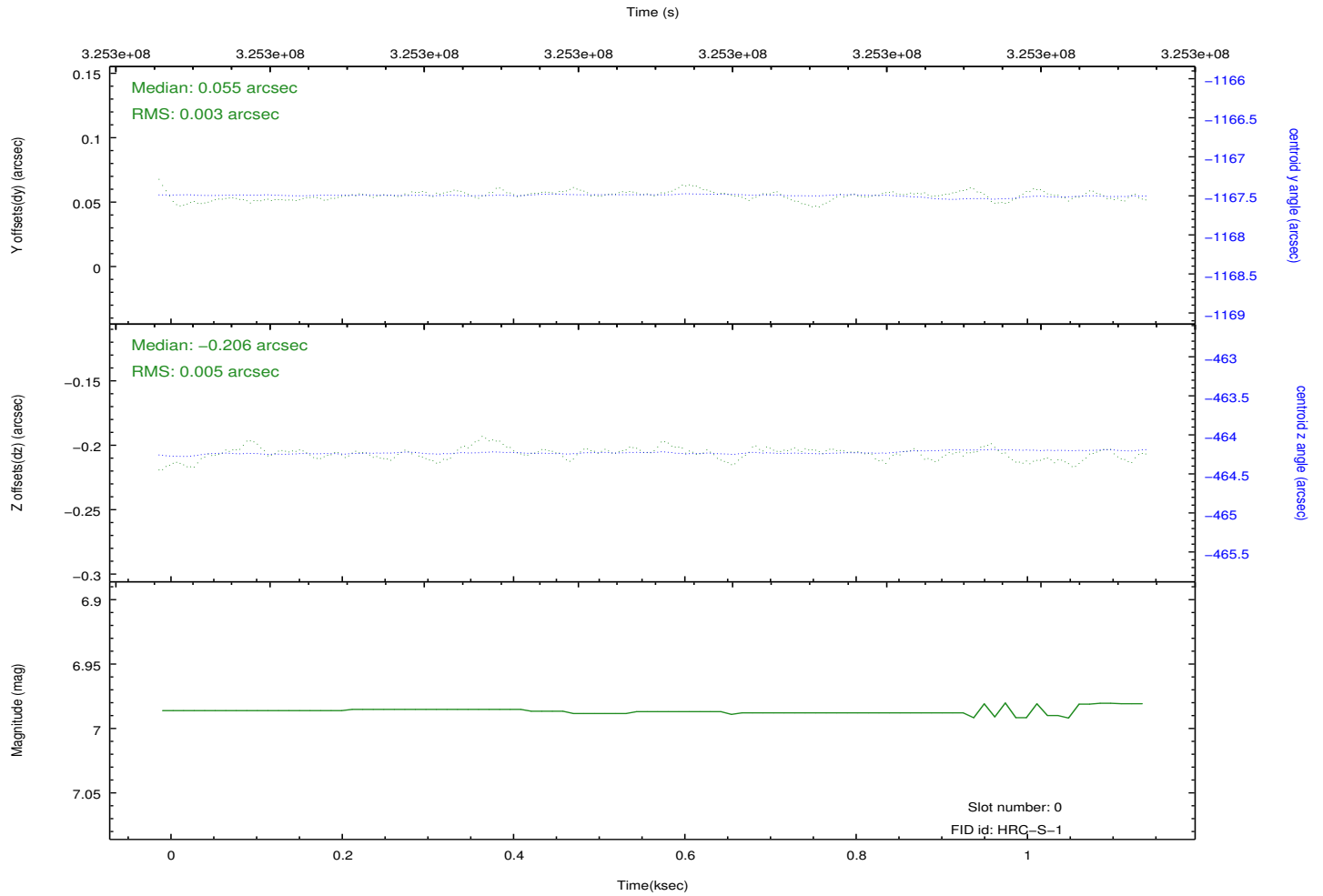
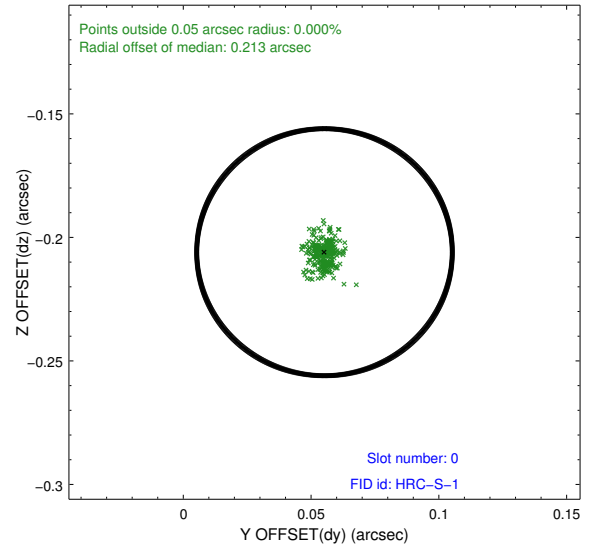
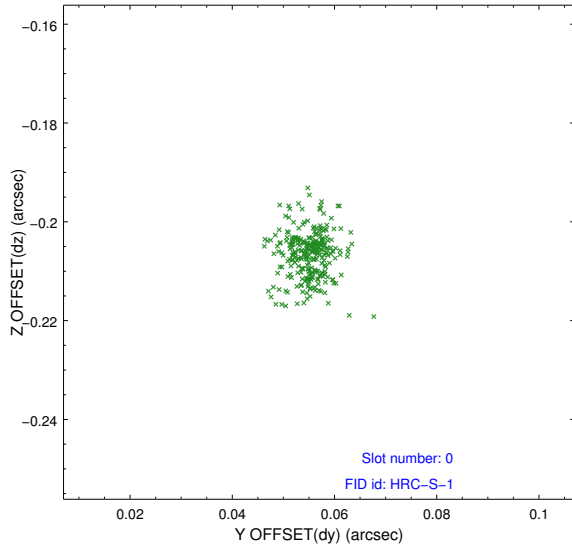


2.4.4 Slot 7

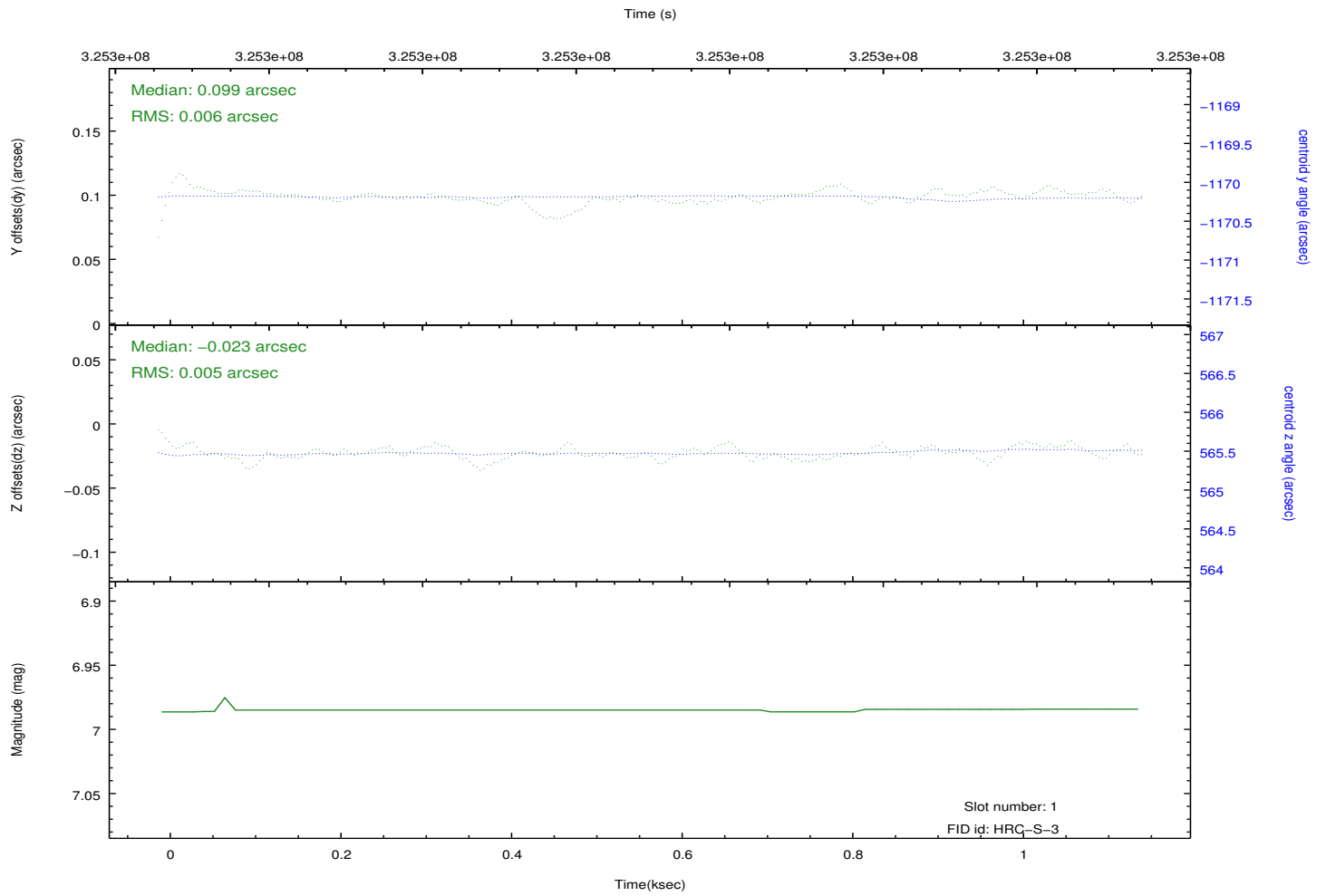
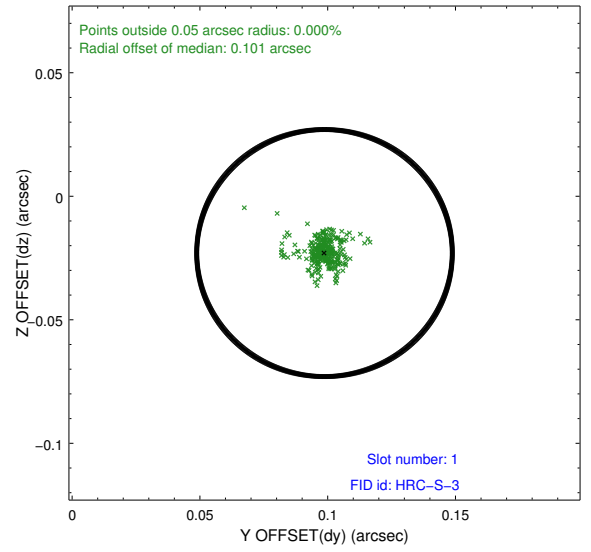
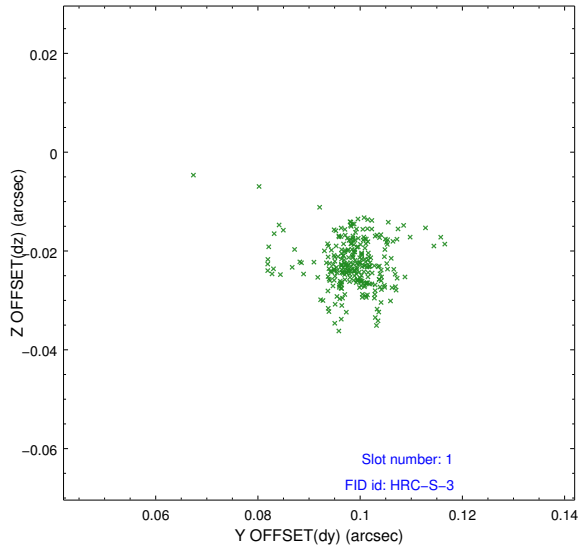


2.5 FID Slots

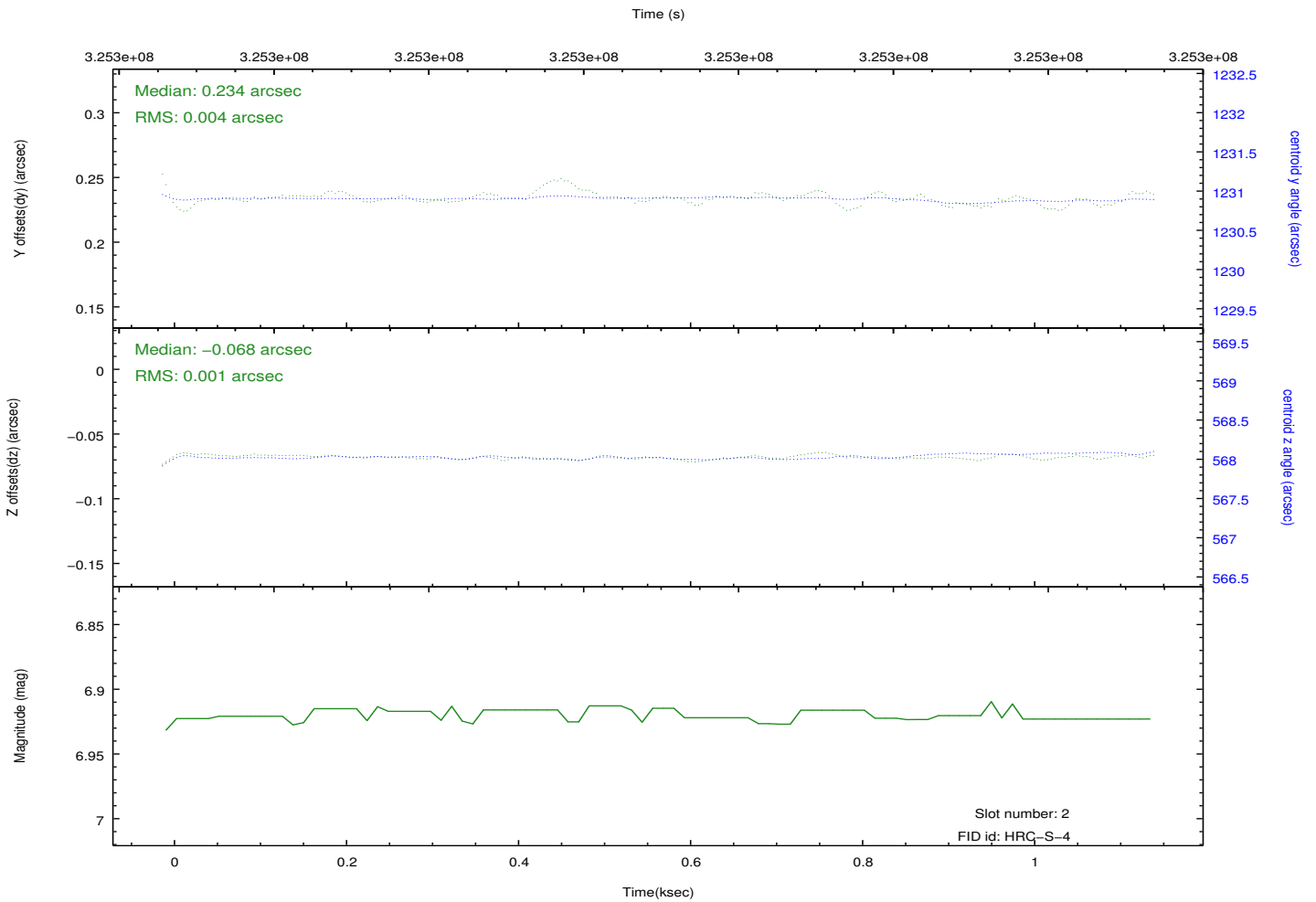
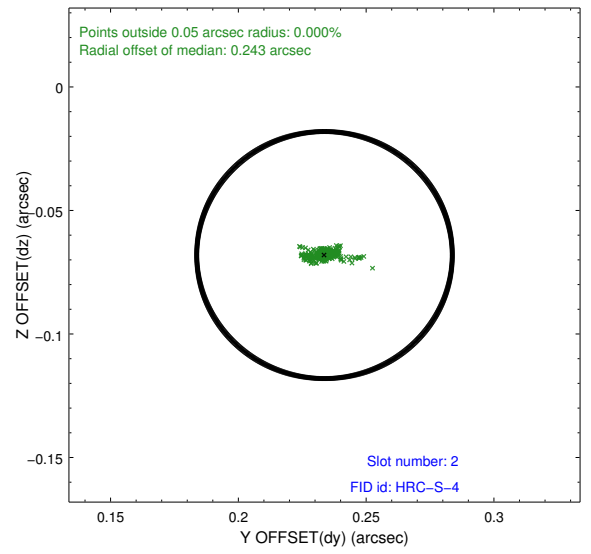
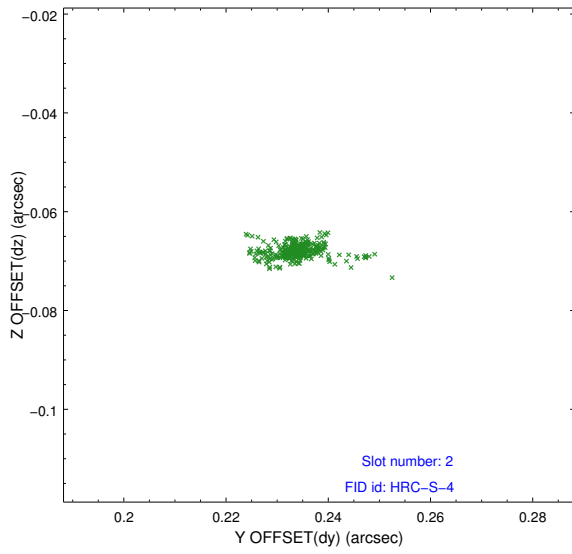
2.5.1 Slot 0



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	1.1513313

A.2 Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.