

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6240 - L2 Version 4
Chandra X-Ray Center

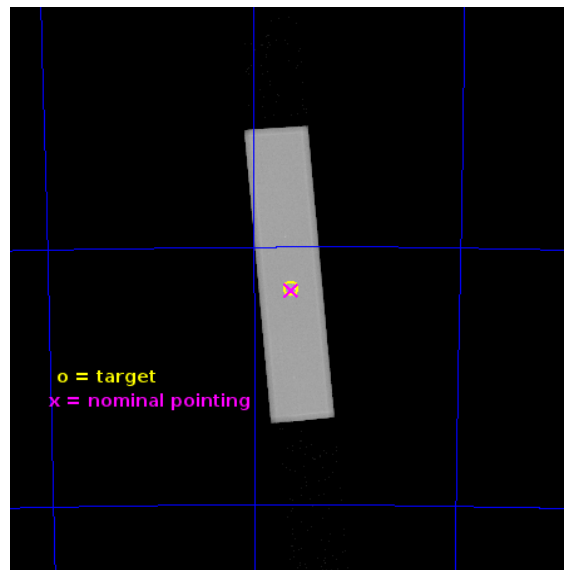
L2 Processing Date : Jun 29 2013

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1 Front

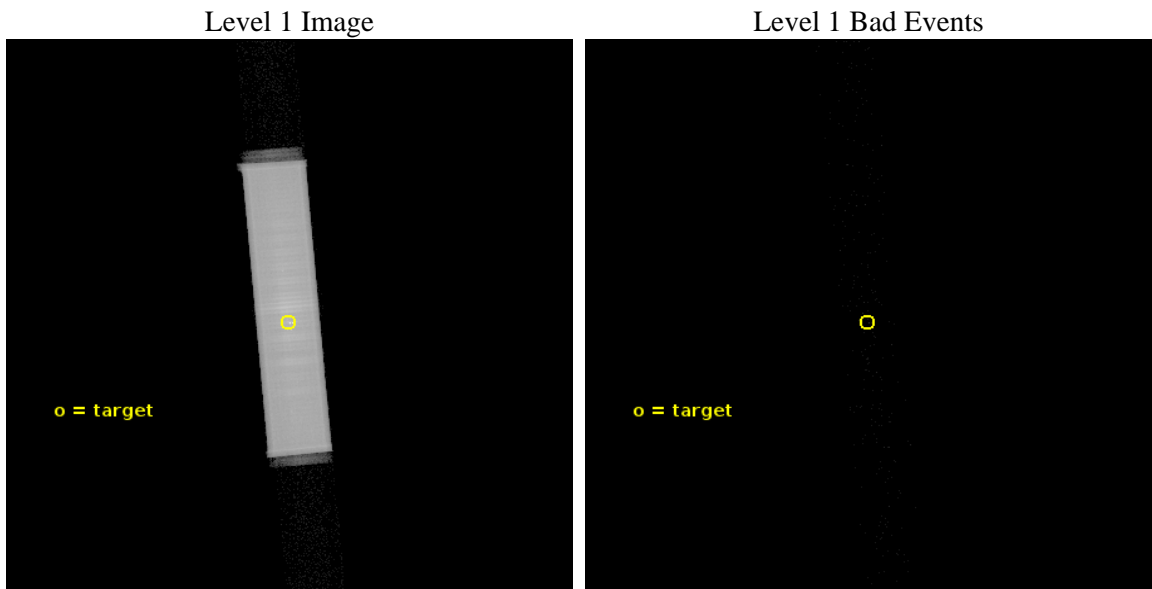
seq_num	500535	Sequence number
obs_id	6240	Observation id
title	Search for Sub-Millisecond Pulsars in 47 Tuc	Proposal title
observer	Prof. Robert Rutledge	Principal investigator
object	47 Tuc	Source name
ra_targ	6.021667	Observer's specified target RA [deg]
dec_targ	-72.080528	Observer's specified target Dec [deg]
ra_nom	6.0198469968353	Nominal RA [deg]
dec_nom	-72.085168730955	Nominal Dec [deg]
roll_nom	264.89656717377	Nominal Roll [deg]
revision	4	Processing version of data
ontime	49285.077284425	[s]
livetime	49071.395909911	Ontime multiplied by DTCOR
l2events	2108956	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	50895.392000	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	49285.077284425	[s]
caldbver	4.5.7	 	l1events	3116133	Number of level 1 events
date	2013-06-29T03:57:21	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	5641	3108608	1884
rejected events	1872	86168	1687
rejected %	33%	2%	89%

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	5.976635	6.019846996835327			
[deg] Pointing Dec	-72.059860	-72.08516873095539			
[deg] Pointing Roll	264.788118	264.8965671737725			
[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)	253075597.184000	253074035.73186			
Observation start date	2006-01-08T02:45:32	2006-01-08T02:20:35			
[s] Observation end time (MET)	253126492.184000	253128314.09688			
Observation end date	2006-01-08T16:53:47	2006-01-08T17:25:14			

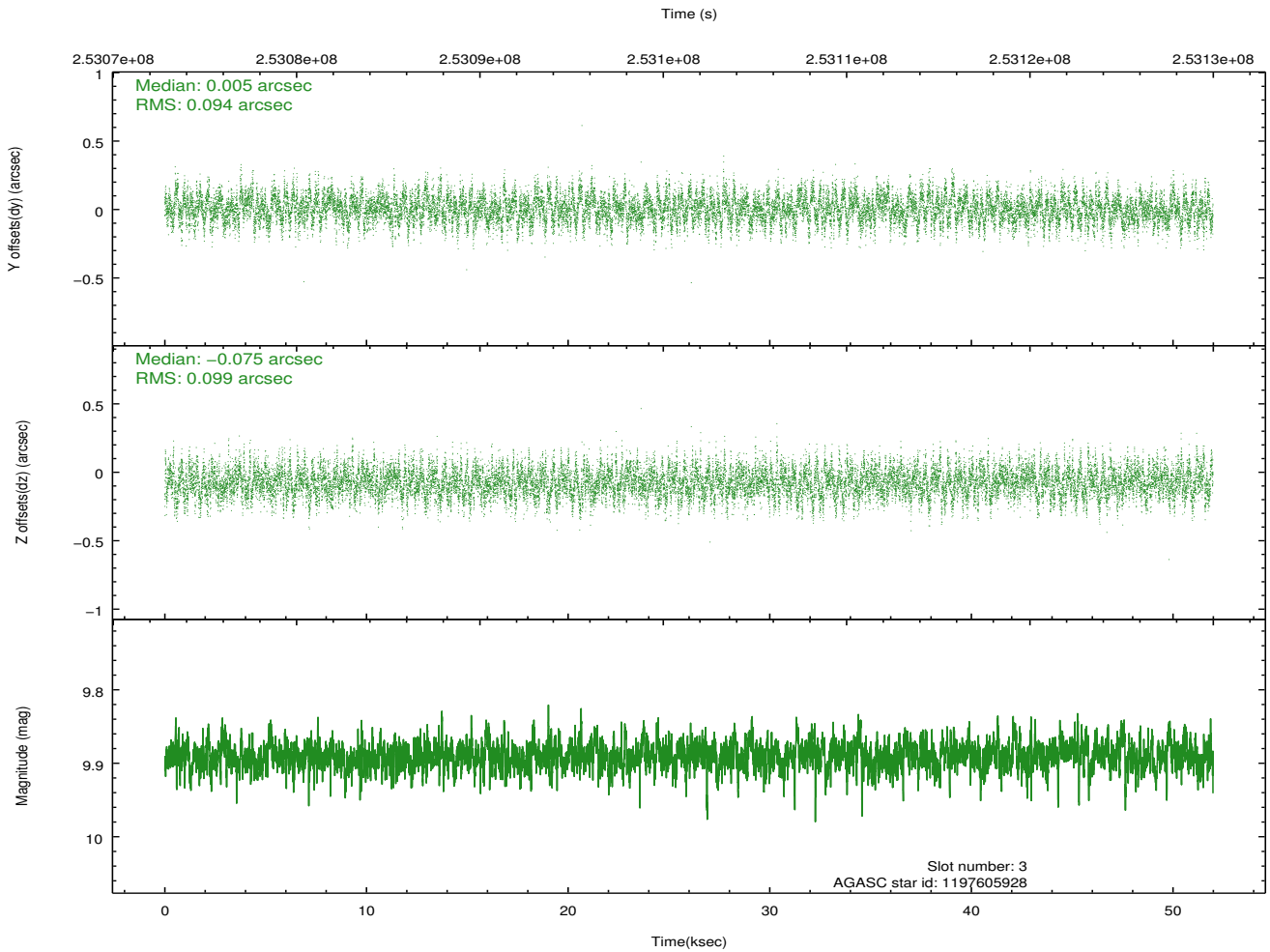
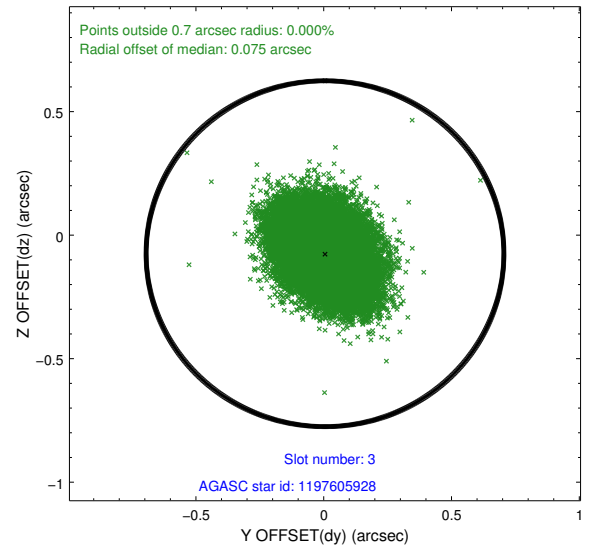
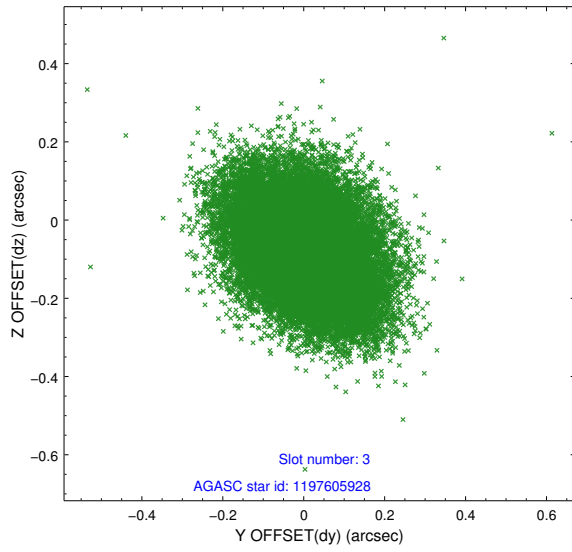
2.3 Aspect

Slot Statistics

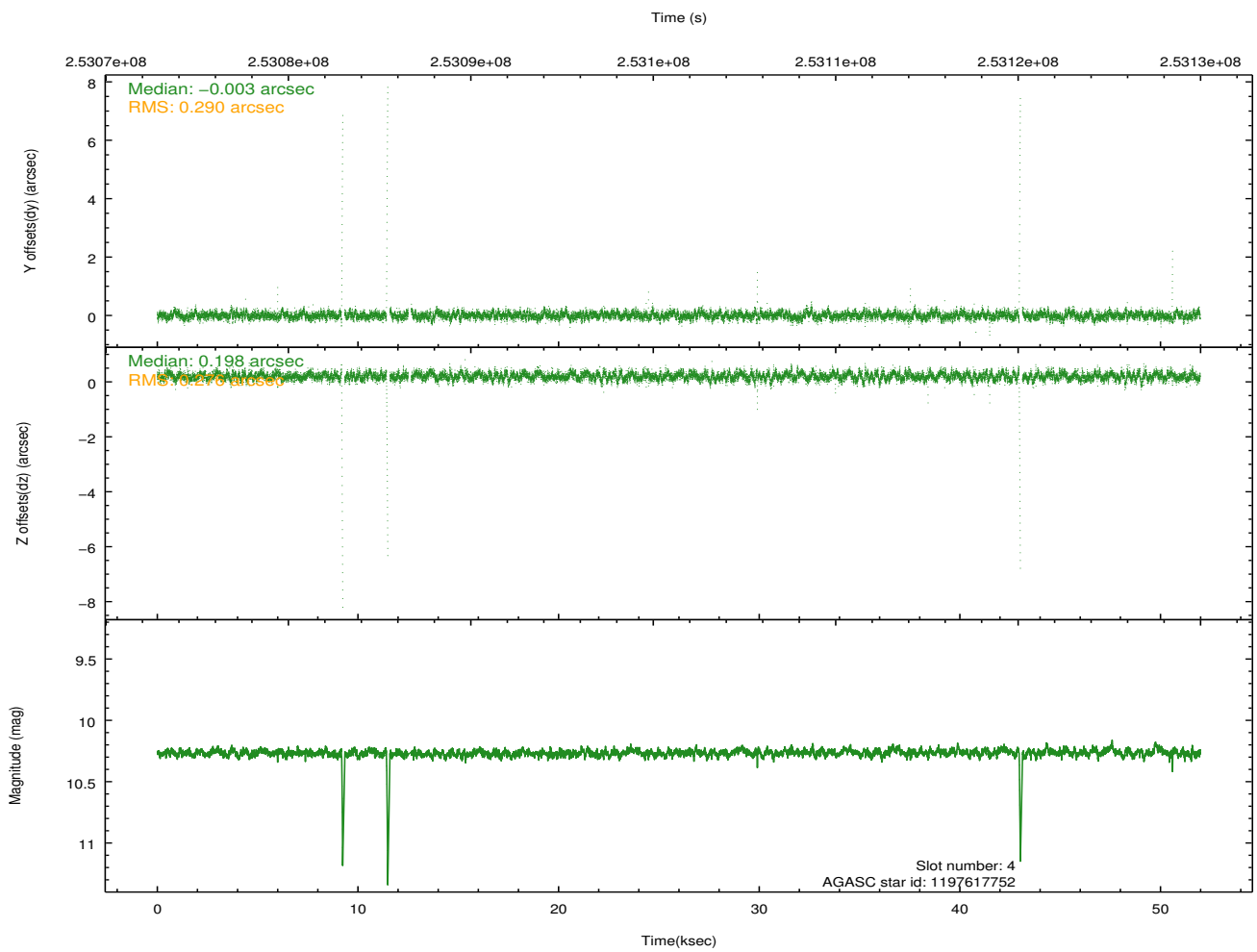
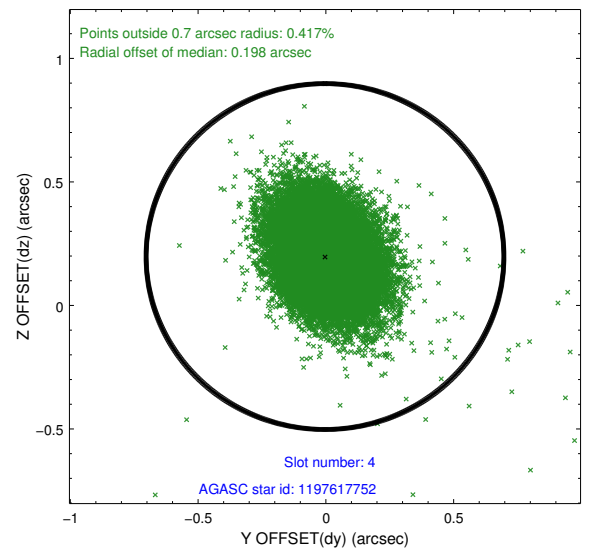
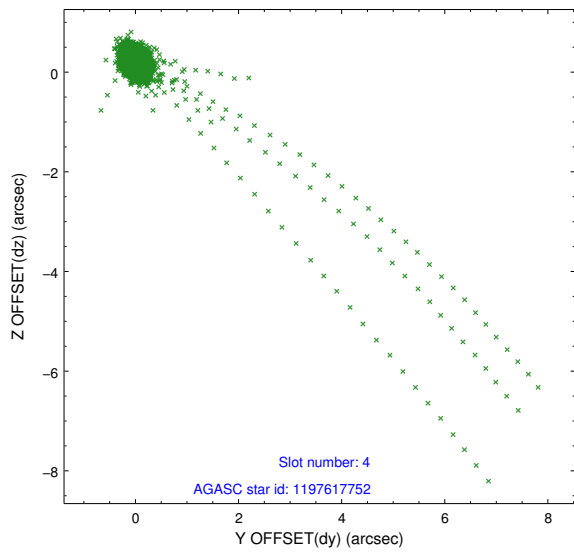
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	12678	0.144	-0.128	0.011	0.054	0.000000	0.000000	-1163.01	-461.16
1	FID	HRC-S-2	7.02	12679	0.132	-0.107	0.007	0.013	0.000000	0.000000	1236.54	-453.79
2	FID	HRC-S-3	7.04	12679	0.114	-0.067	0.013	0.053	0.000000	0.000000	-1165.68	568.39
3	GUIDE	1197605928	9.89	25332	0.005	-0.075	0.144	0.239	4.361277	-72.423732	1488.48	-1627.03
4	GUIDE	1197617752	10.27	24935	-0.003	0.198	0.167	0.283	4.480632	-72.284129	974.11	-1556.10
5	GUIDE	1197621088	9.92	25290	-0.057	-0.066	0.129	0.211	3.823480	-72.180366	690.47	-2317.14
6	GUIDE	1197609880	10.16	25320	0.117	-0.055	0.161	0.277	4.410960	-71.992353	-60.23	-1754.90
7	GUIDE	1197624848	9.71	25332	-0.060	-0.007	0.139	0.243	4.678747	-71.378615	-2290.11	-1707.00

2.4 Star Slots

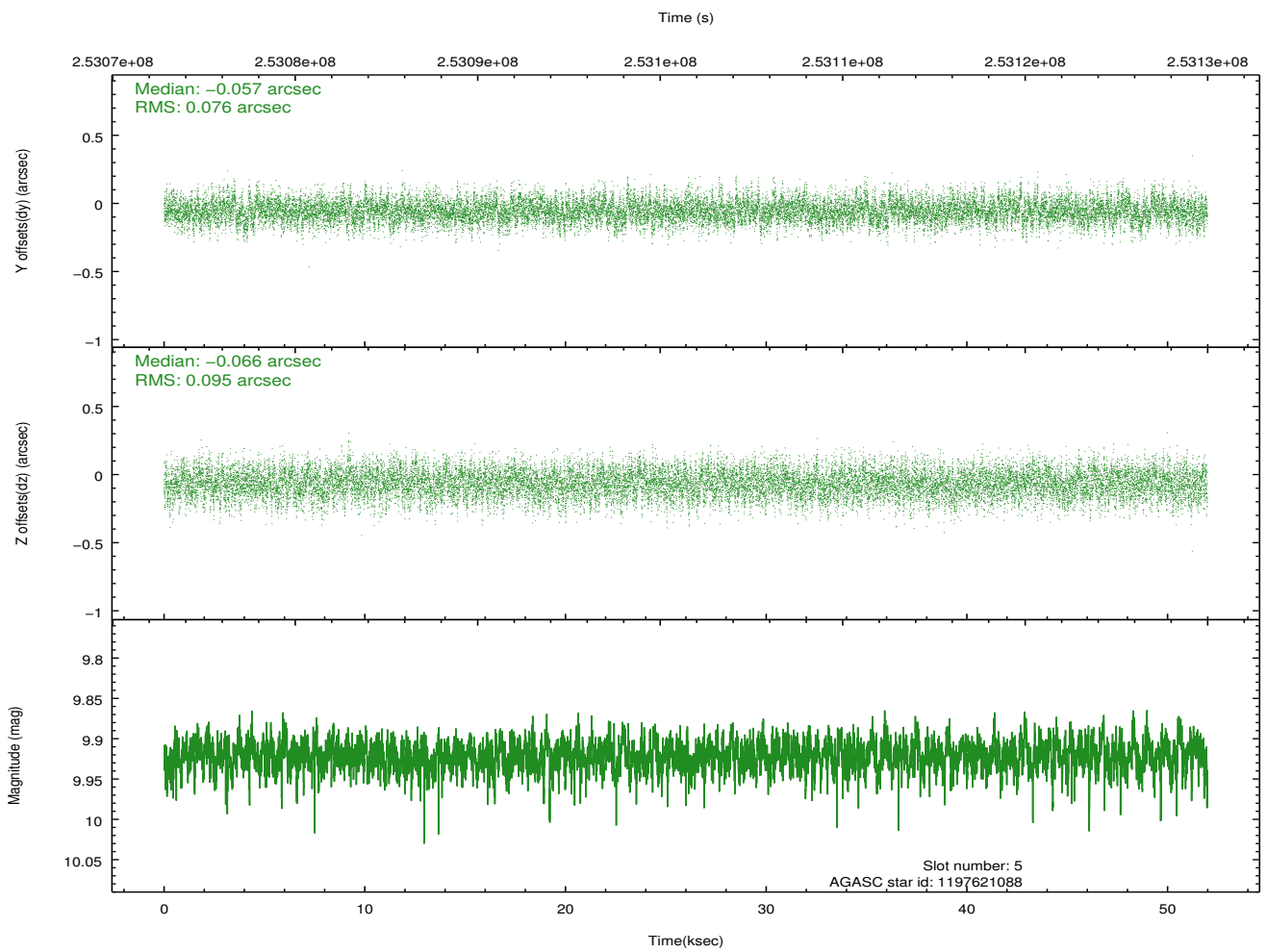
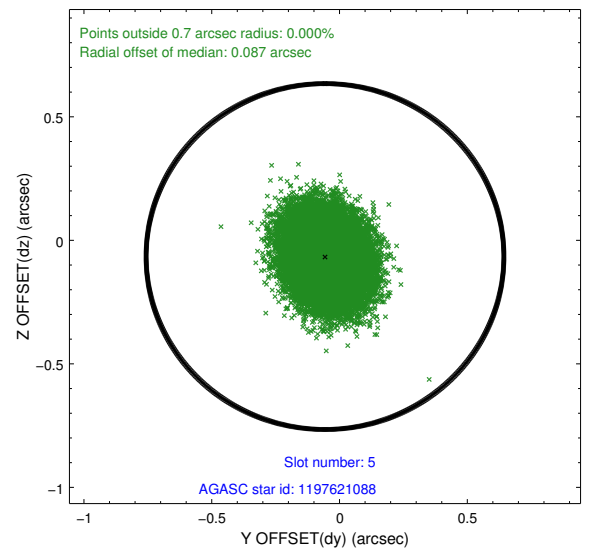
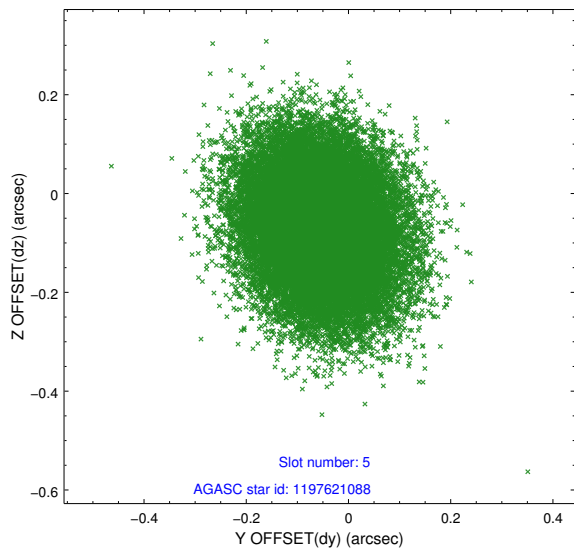
2.4.1 Slot 3



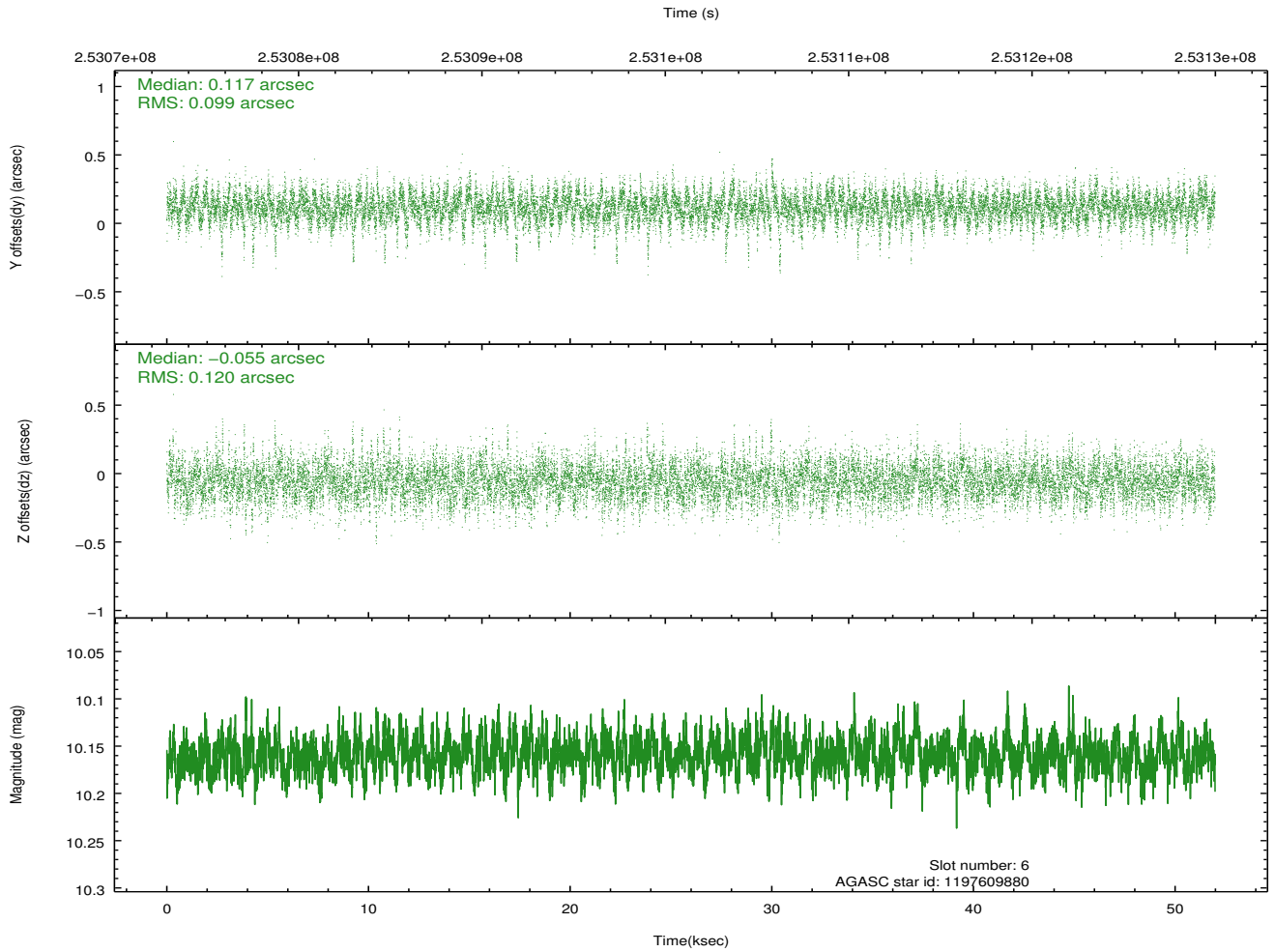
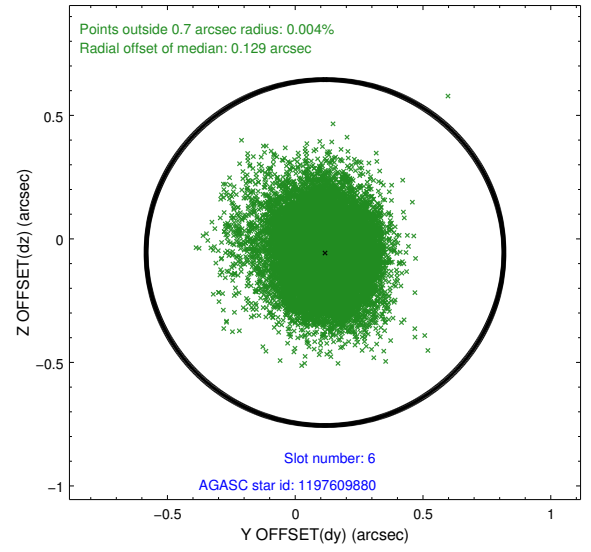
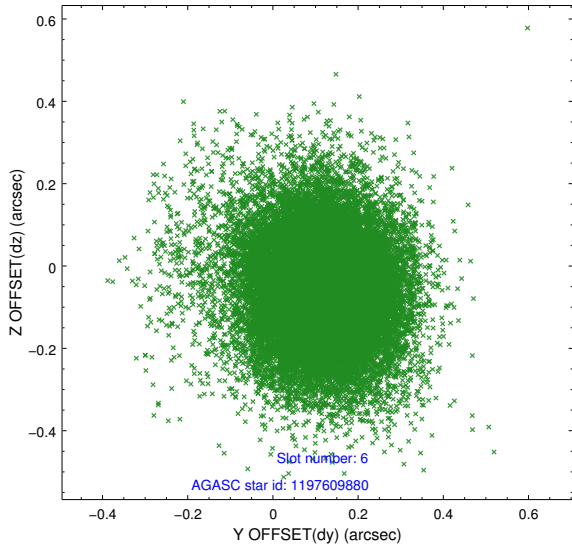
2.4.2 Slot 4



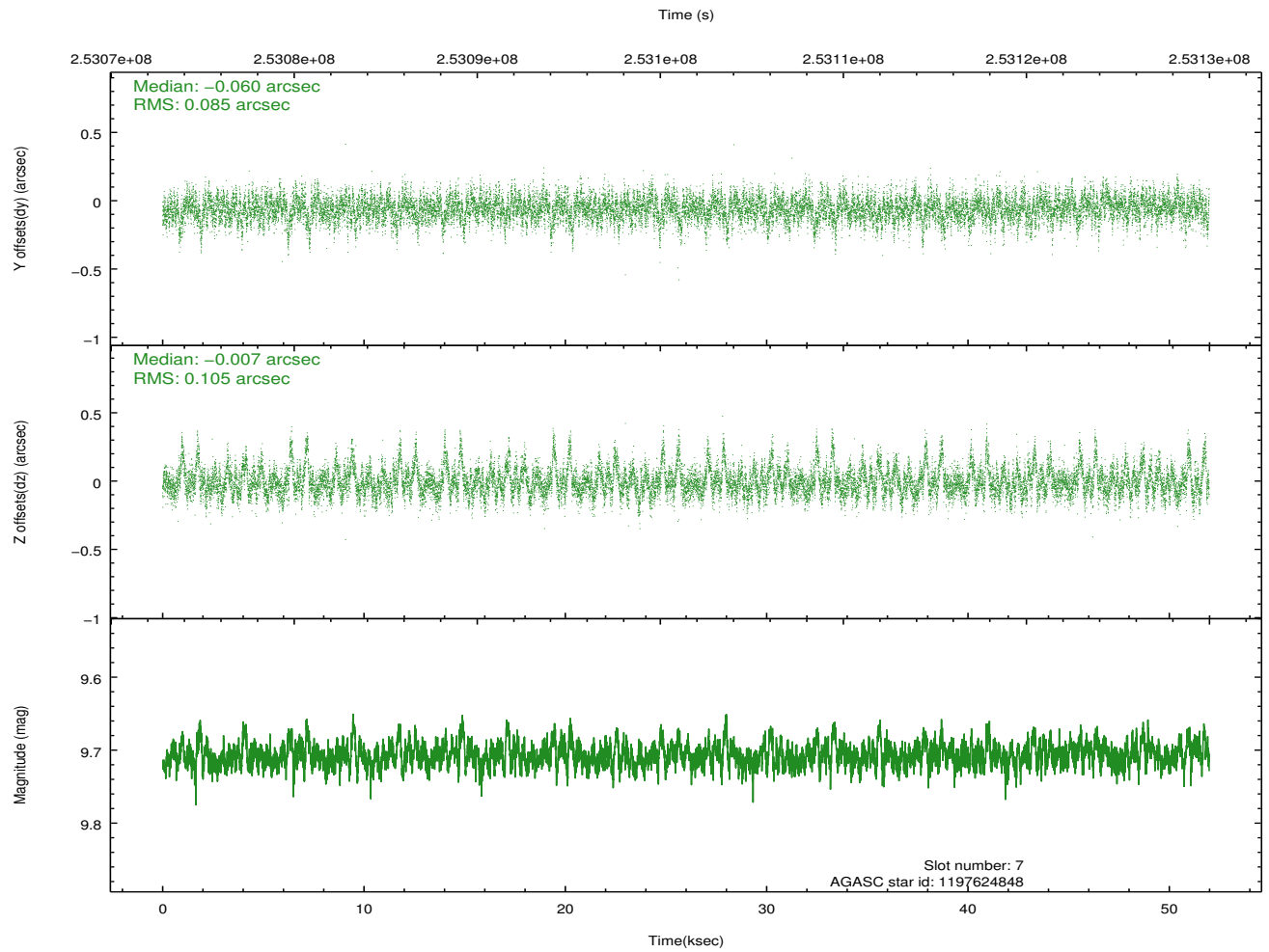
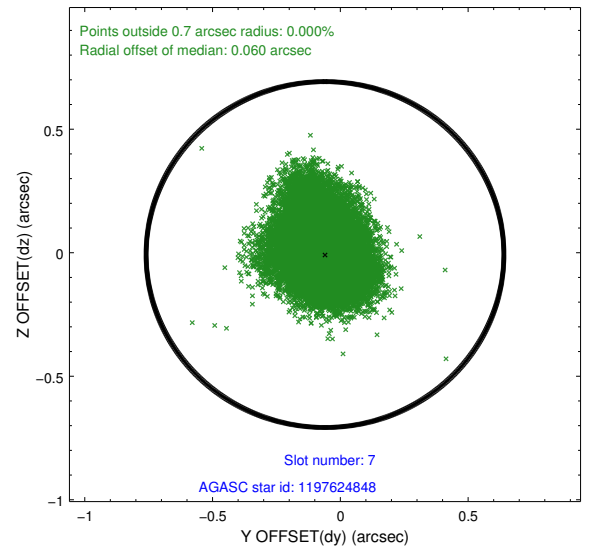
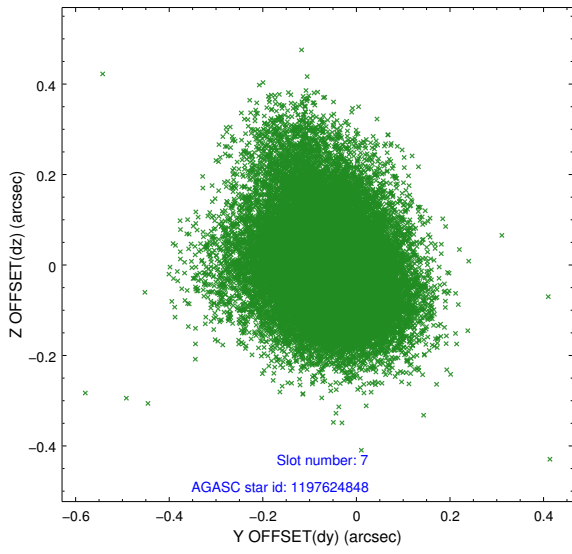
2.4.3 Slot 5



2.4.4 Slot 6

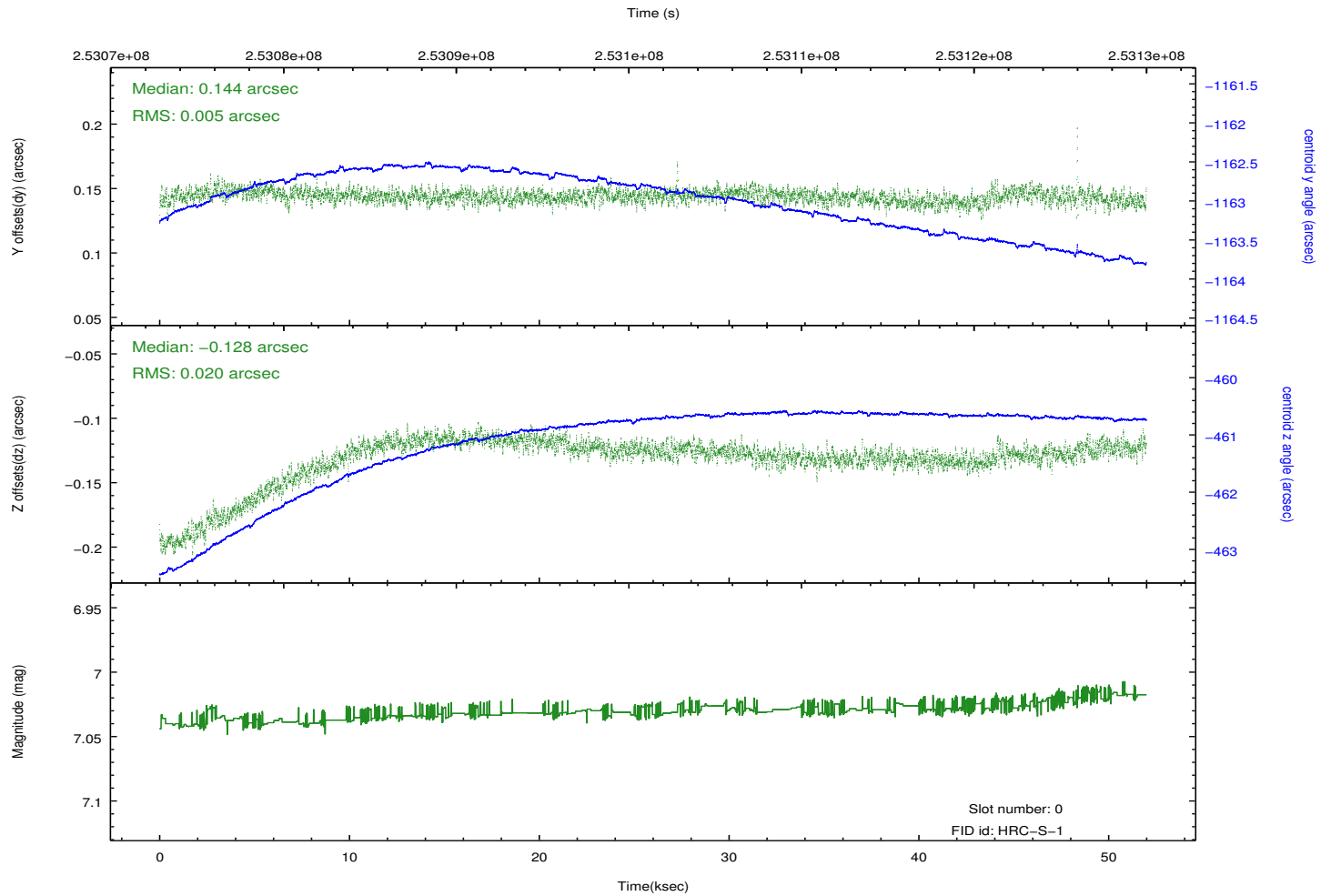
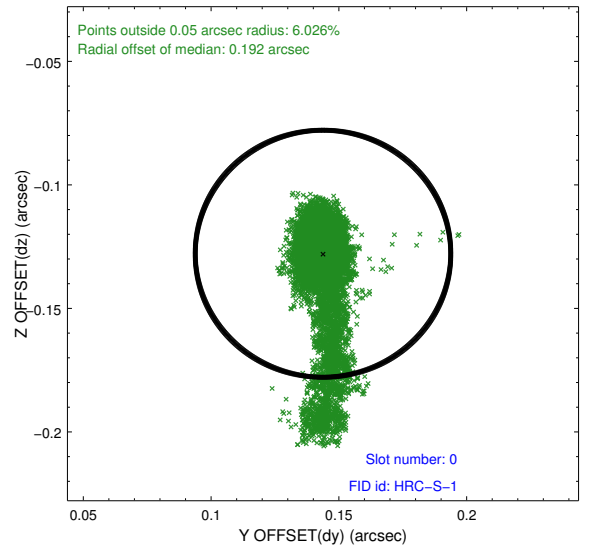
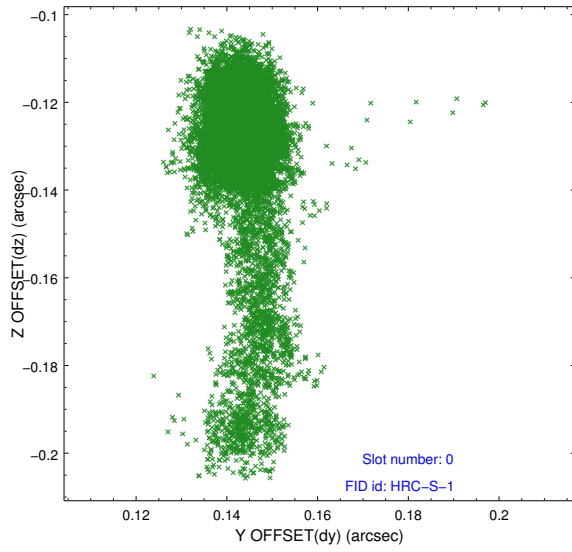


2.4.5 Slot 7

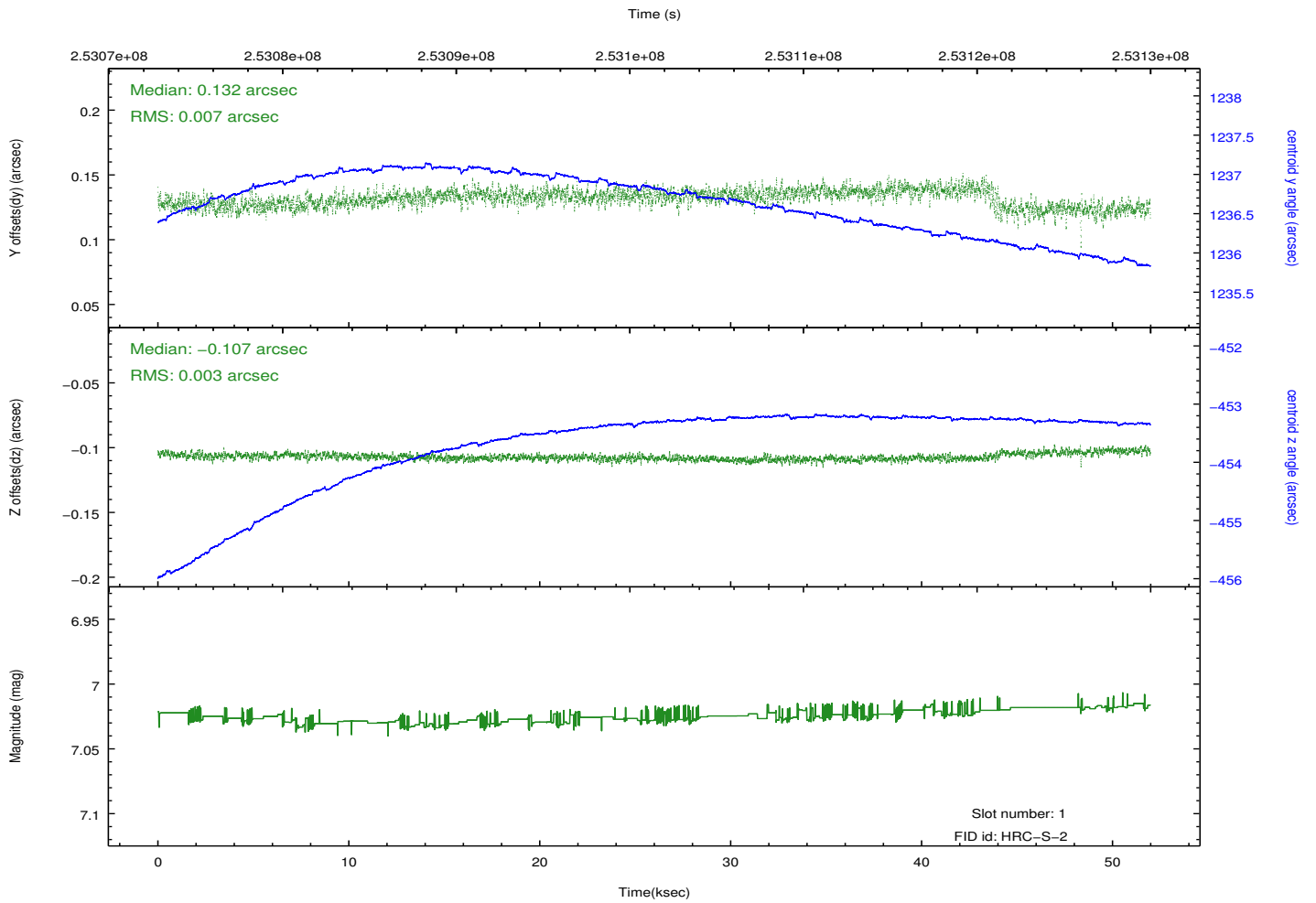
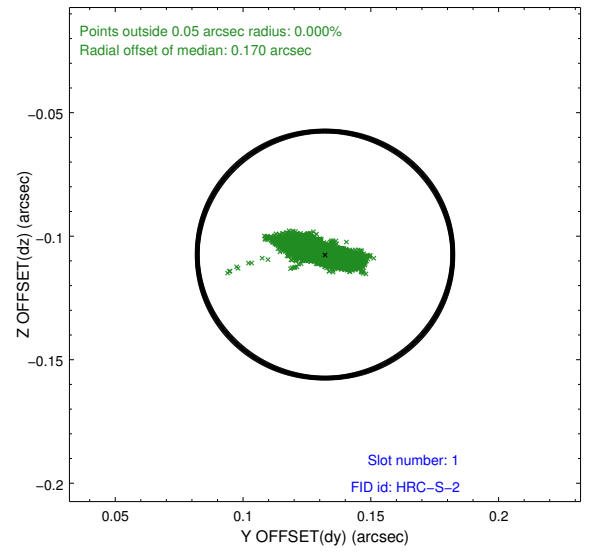
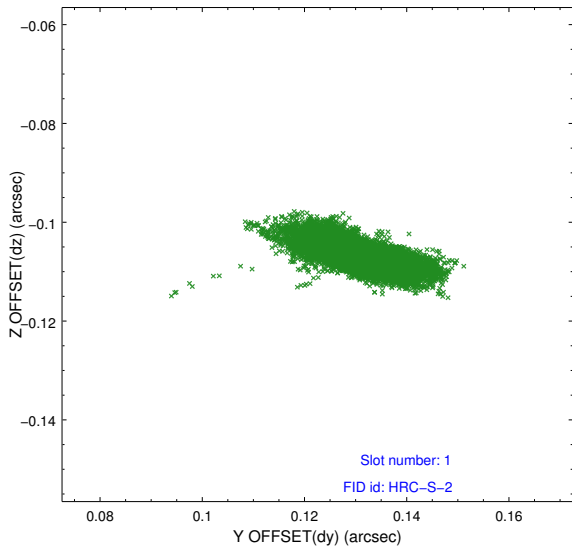


2.5 FID Slots

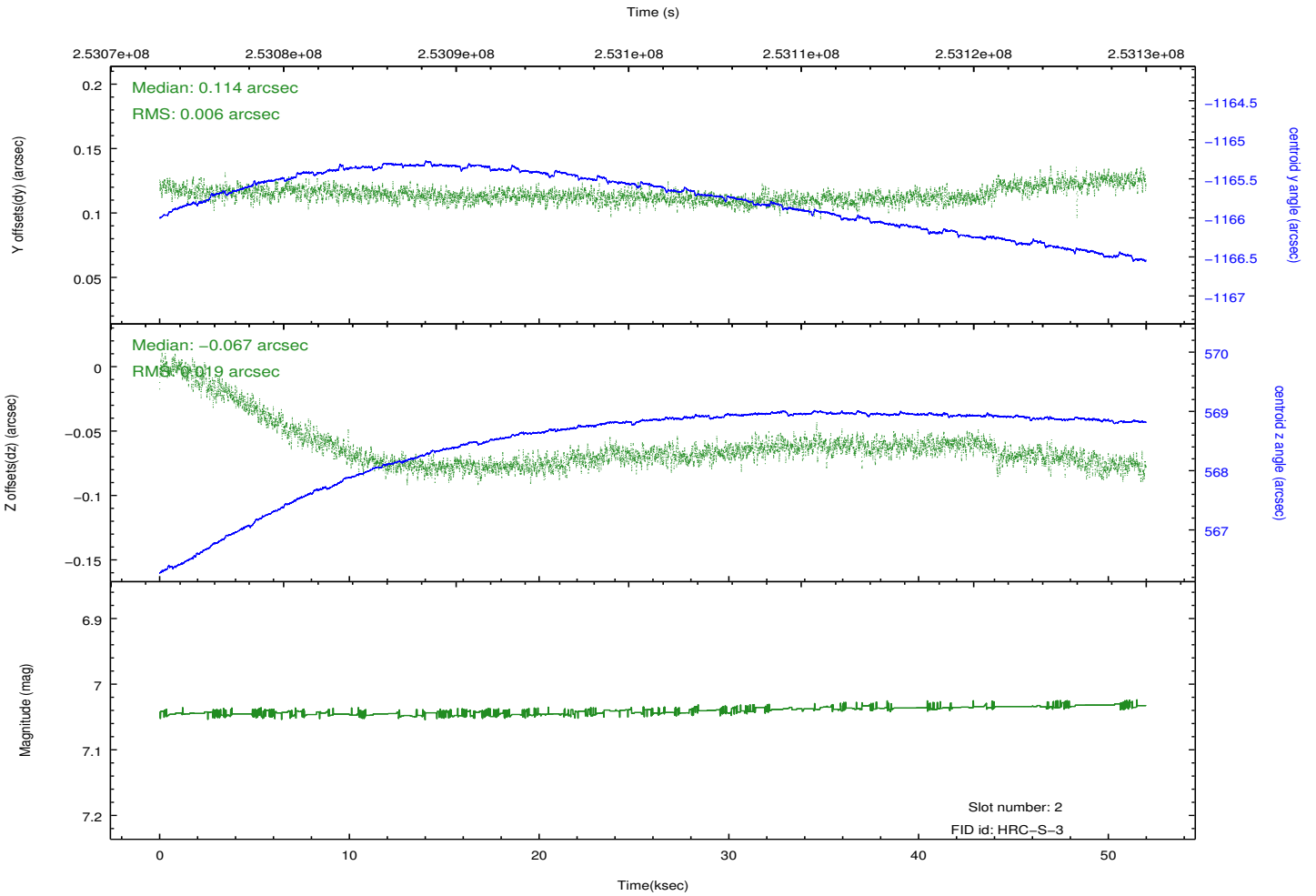
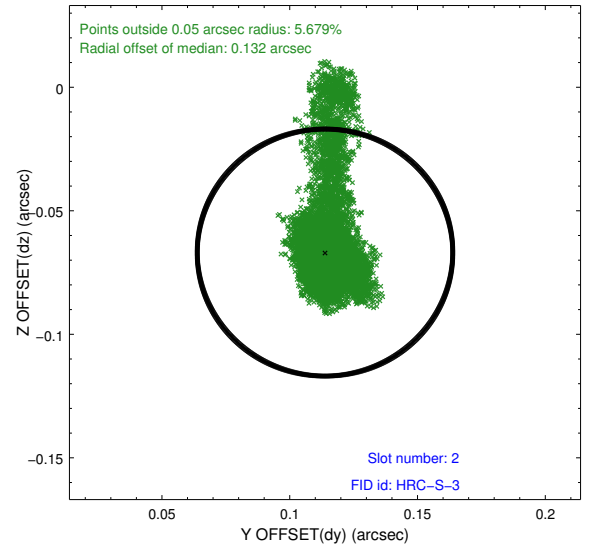
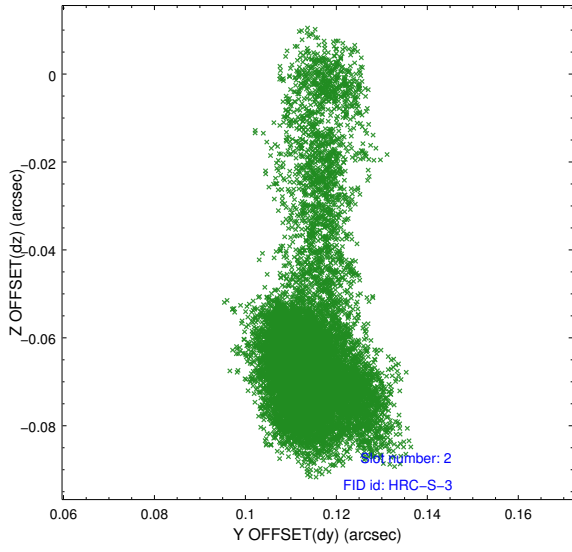
2.5.1 Slot 0



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)	2013.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.2850772

A.2 Comments