

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6238 - L2 Version 4
Chandra X-Ray Center

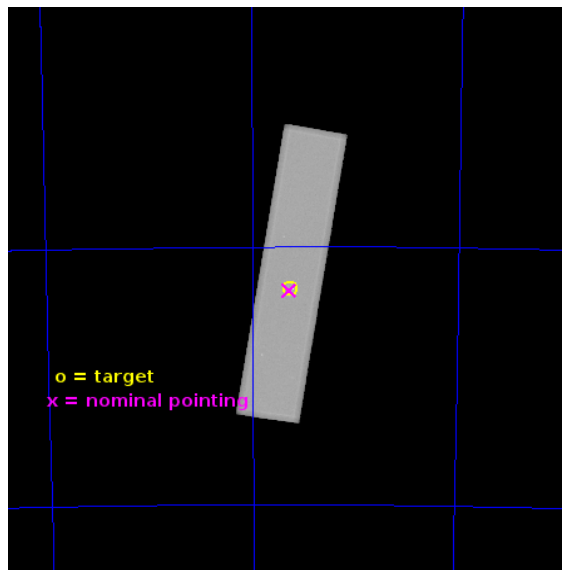
L2 Processing Date : Jun 28 2013

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

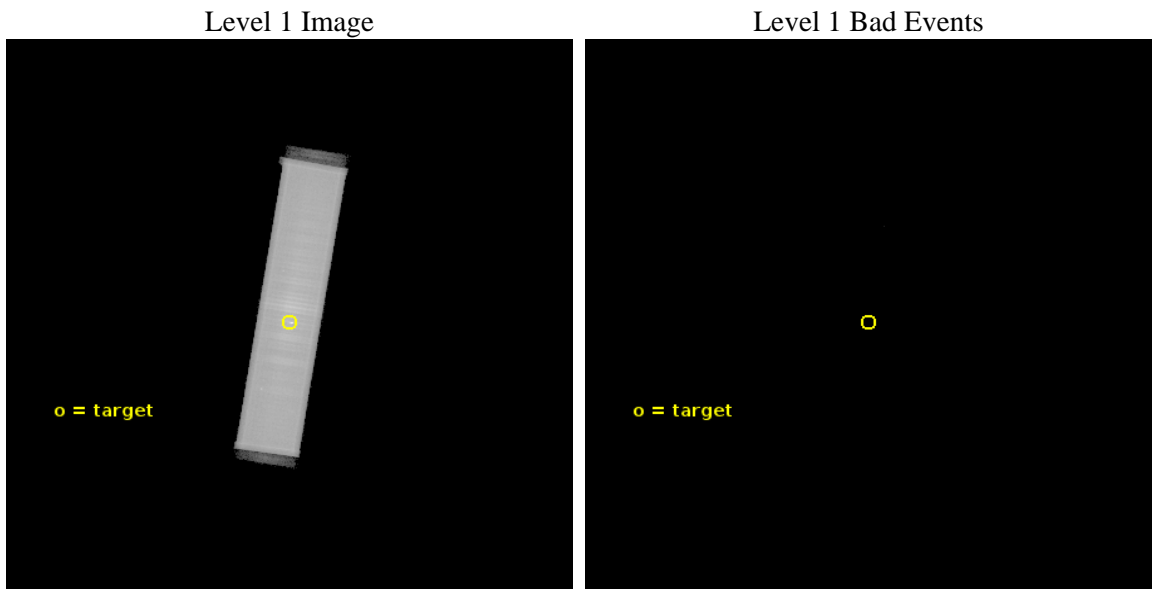
seq_num	500535	Sequence number
obs_id	6238	Observation id
title	Search for Sub-Millisecond Pulsars in 47 Tuc	Proposal title
observer	Prof. Robert Rutledge	Principal investigator
object	47 Tuc	Source name
ra_targ	6.021667	Observer's specified target RA [deg]
dec_targ	-72.080528	Observer's specified target Dec [deg]
ra_nom	6.0236545523562	Nominal RA [deg]
dec_nom	-72.085171300312	Nominal Dec [deg]
roll_nom	279.10511300773	Nominal Roll [deg]
revision	4	Processing version of data
ontime	48395.633490682	[s]
livetime	48196.38884802	Ontime multiplied by DTCOR
l2events	2019320	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	47807.625000	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	48395.633490682	[s]
caldsver	4.5.7	 	l1events	2973872	Number of level 1 events
date	2013-06-29T02:26:06	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	3734	29701317	
rejected events	87	65177	0
rejected %	2%	2%	0%

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	5.961563	6.023654552356163			
[deg] Pointing Dec	-72.063892	-72.08517130031211			
[deg] Pointing Roll	278.978704	279.1051130077261			
[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)	251933656.184000	251932384.52898			
Observation start date	2005-12-25T21:33:12	2005-12-25T21:13:04			
[s] Observation end time (MET)	251981463.184000	251983372.13134			
Observation end date	2005-12-26T10:49:59	2005-12-26T11:22:52			

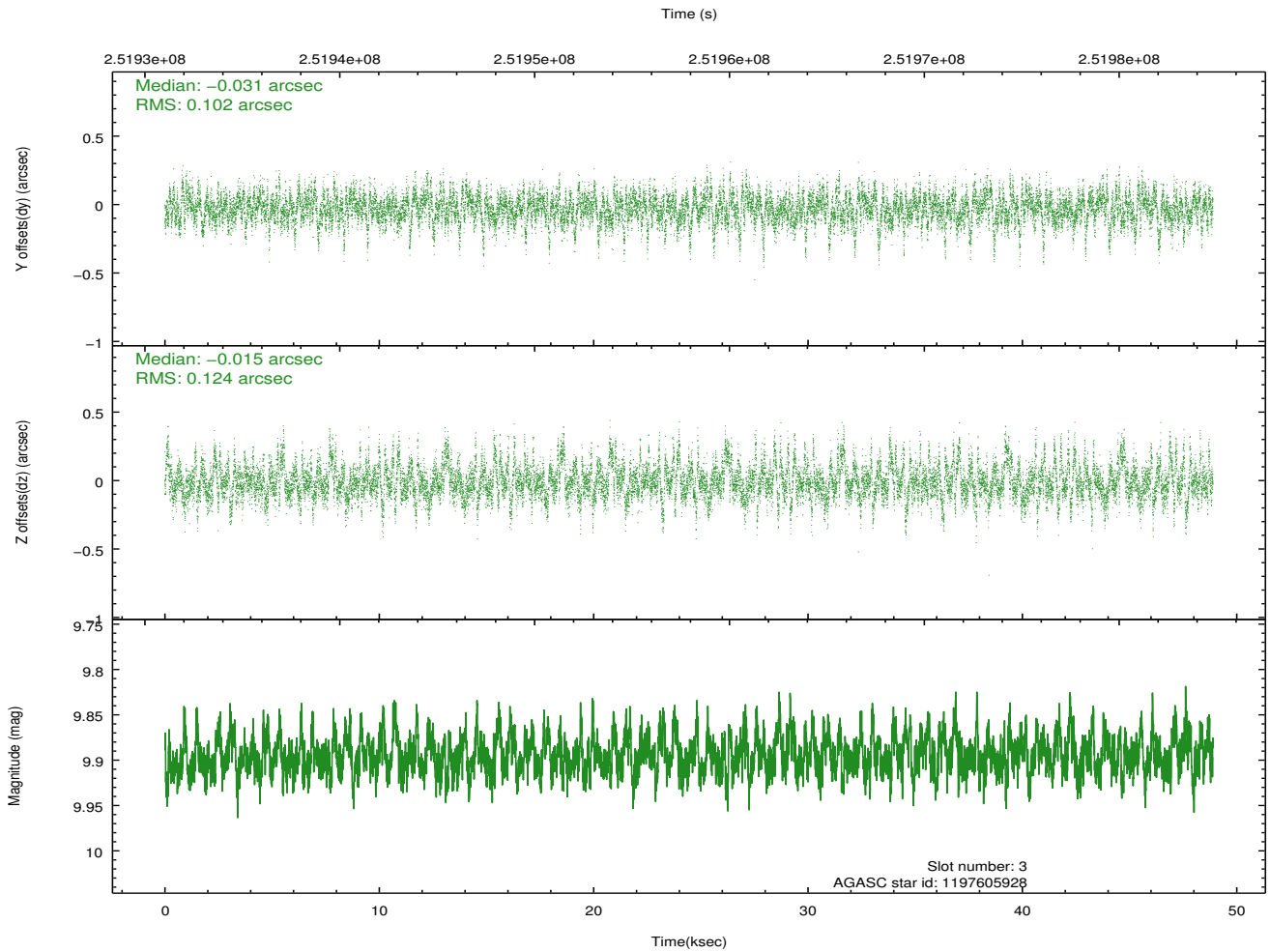
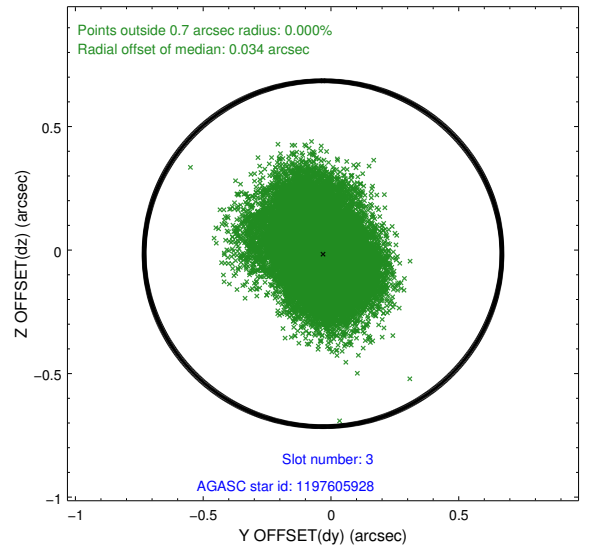
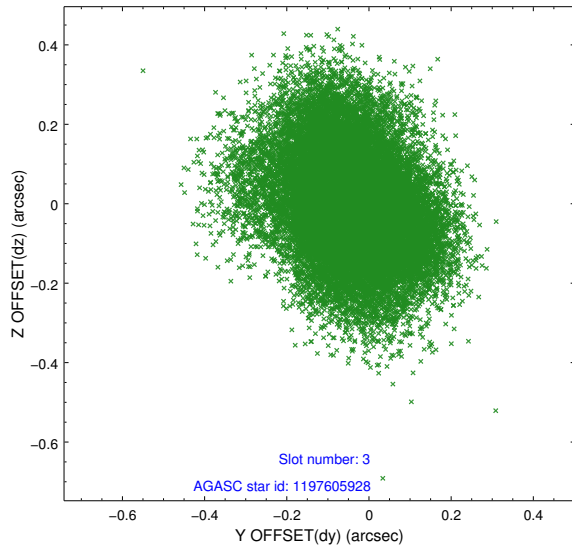
2.3 Aspect

Slot Statistics

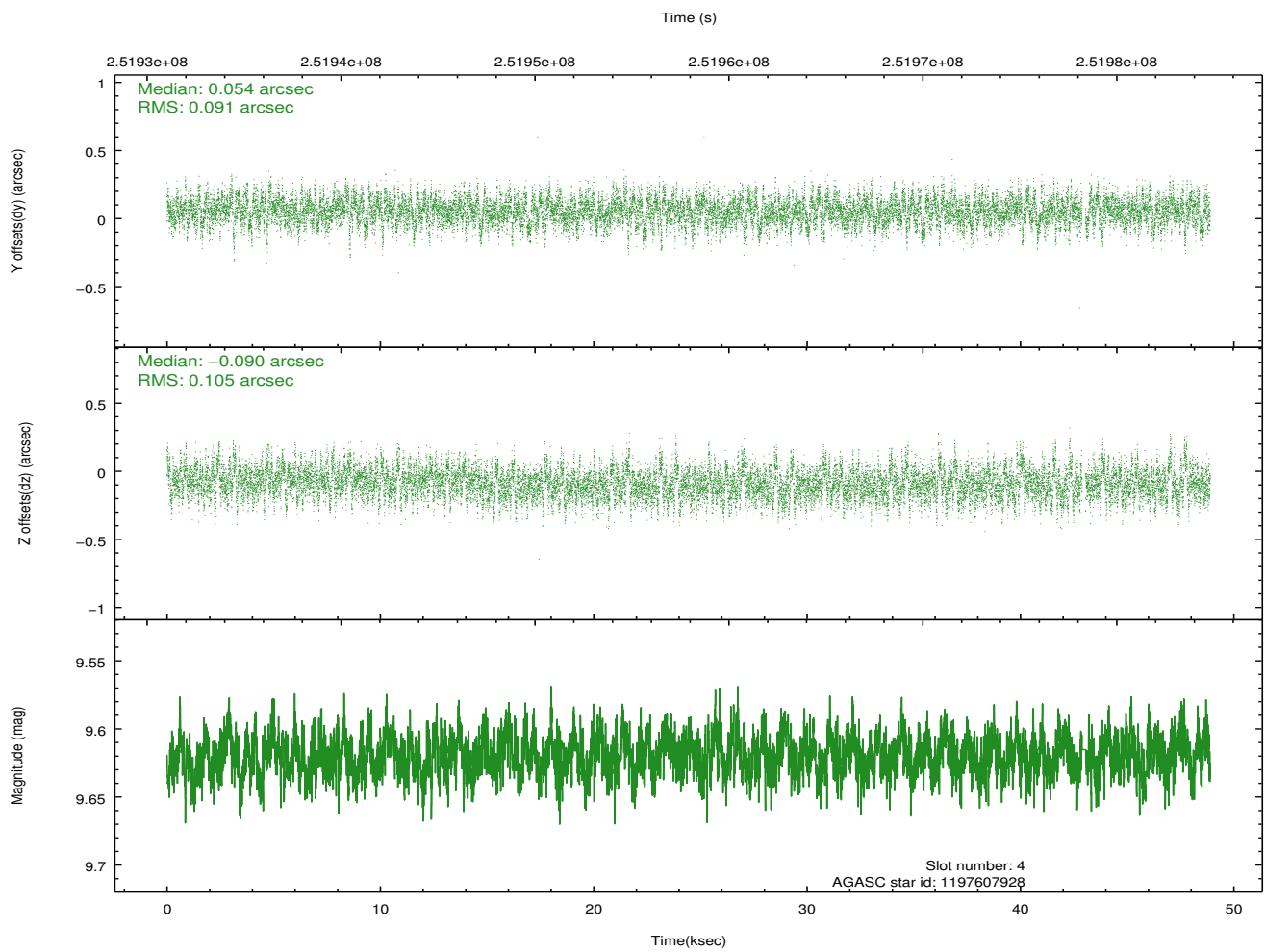
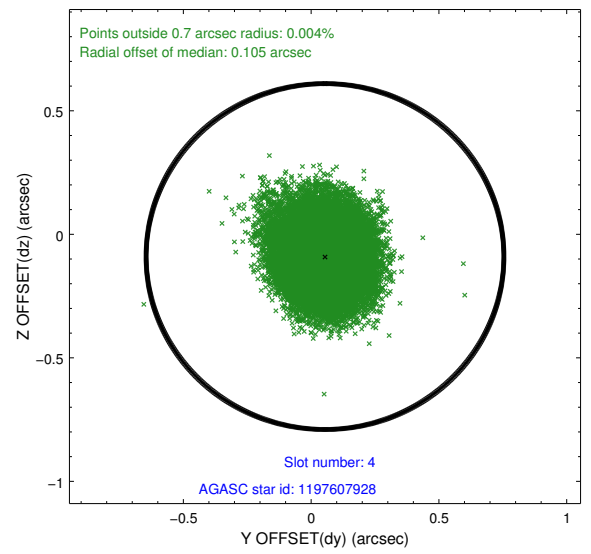
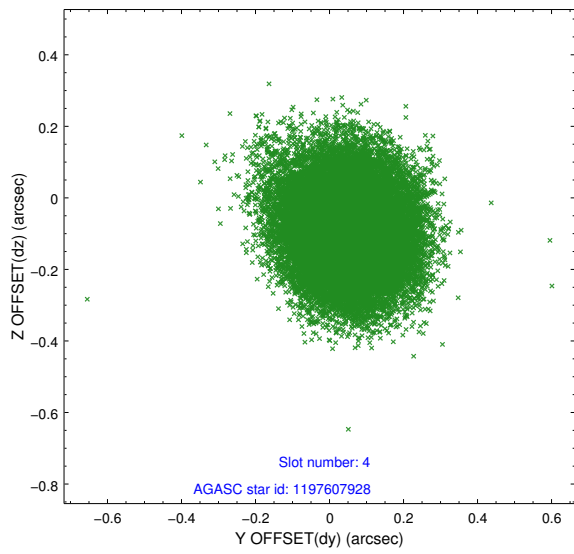
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	11926	0.080	-0.141	0.010	0.038	0.000000	0.000000	-1163.86	-461.31
1	FID	HRC-S-3	7.04	11926	0.121	-0.078	0.019	0.053	0.000000	0.000000	-1166.69	568.24
2	FID	HRC-S-4	6.99	11926	0.185	-0.079	0.014	0.033	0.000000	0.000000	1234.34	570.99
3	GUIDE	1197605928	9.90	23825	-0.031	-0.015	0.168	0.288	4.361277	-72.423732	1031.71	-1923.66
4	GUIDE	1197607928	9.62	23745	0.054	-0.090	0.148	0.238	7.837743	-72.165759	717.10	1980.89
5	GUIDE	1197620848	10.03	23825	0.038	-0.127	0.164	0.273	3.913465	-71.739620	-1474.25	-2105.66
6	GUIDE	1197617752	10.27	23736	0.032	0.240	0.218	0.352	4.480632	-72.284129	550.26	-1728.77
7	GUIDE	1197621088	9.92	23818	-0.087	-0.022	0.158	0.264	3.823480	-72.180366	88.77	-2396.89

2.4 Star Slots

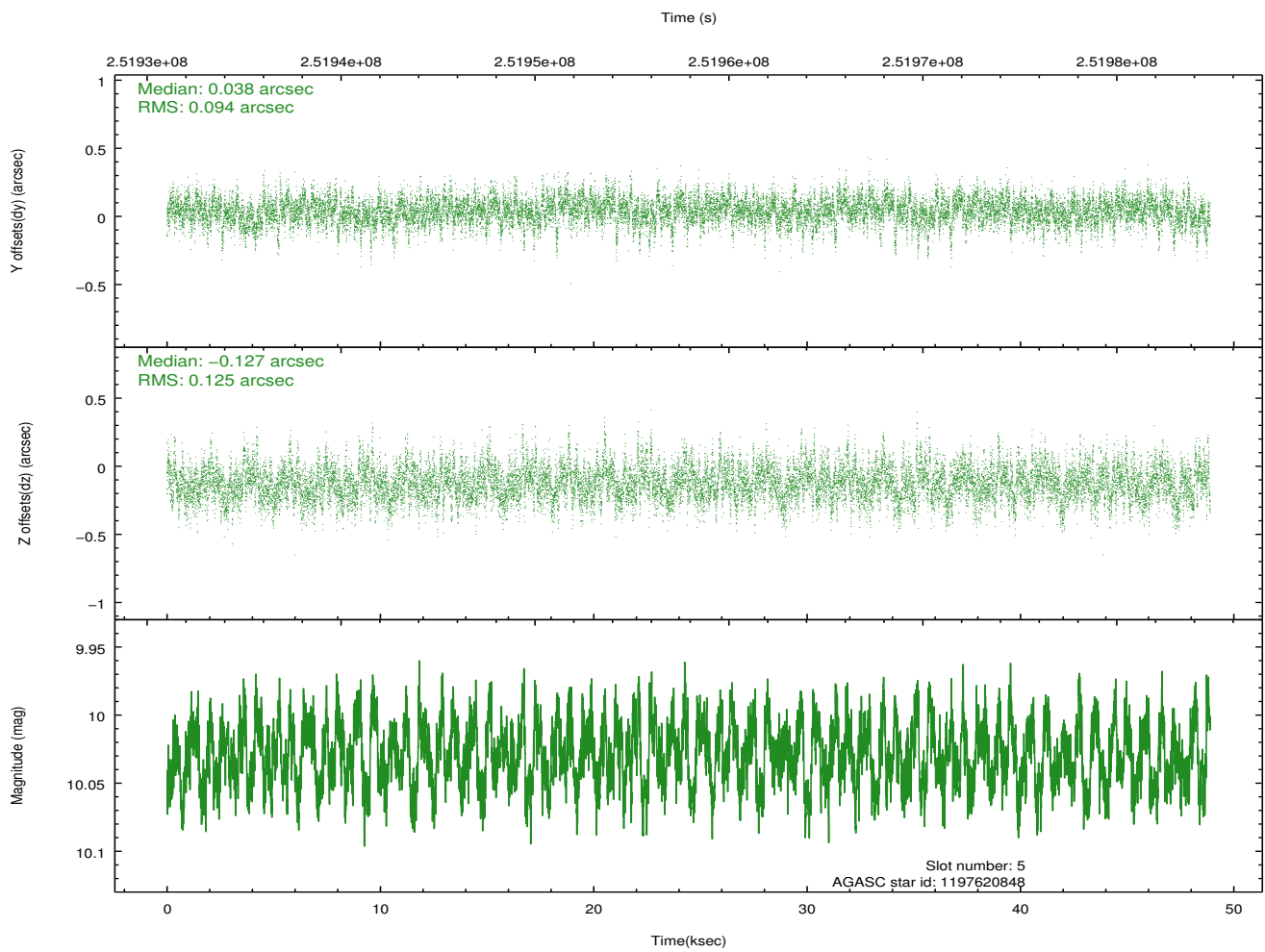
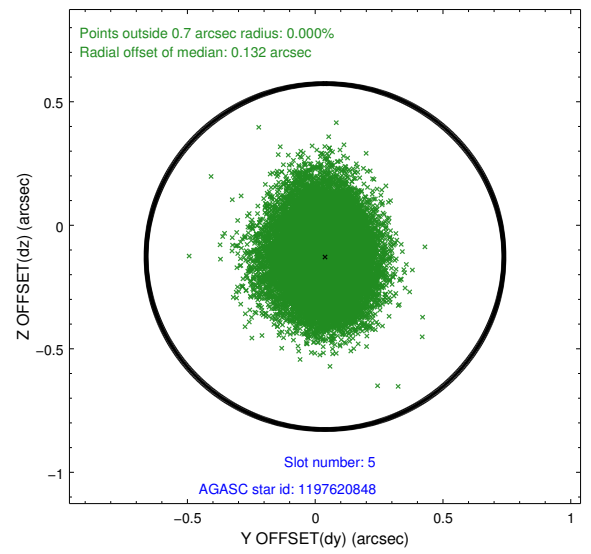
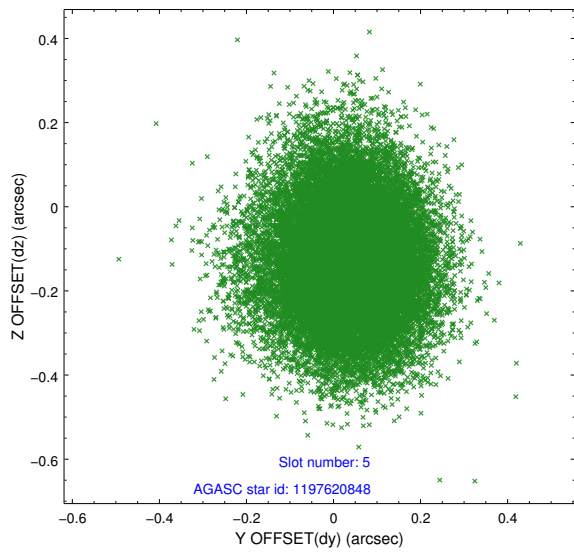
2.4.1 Slot 3



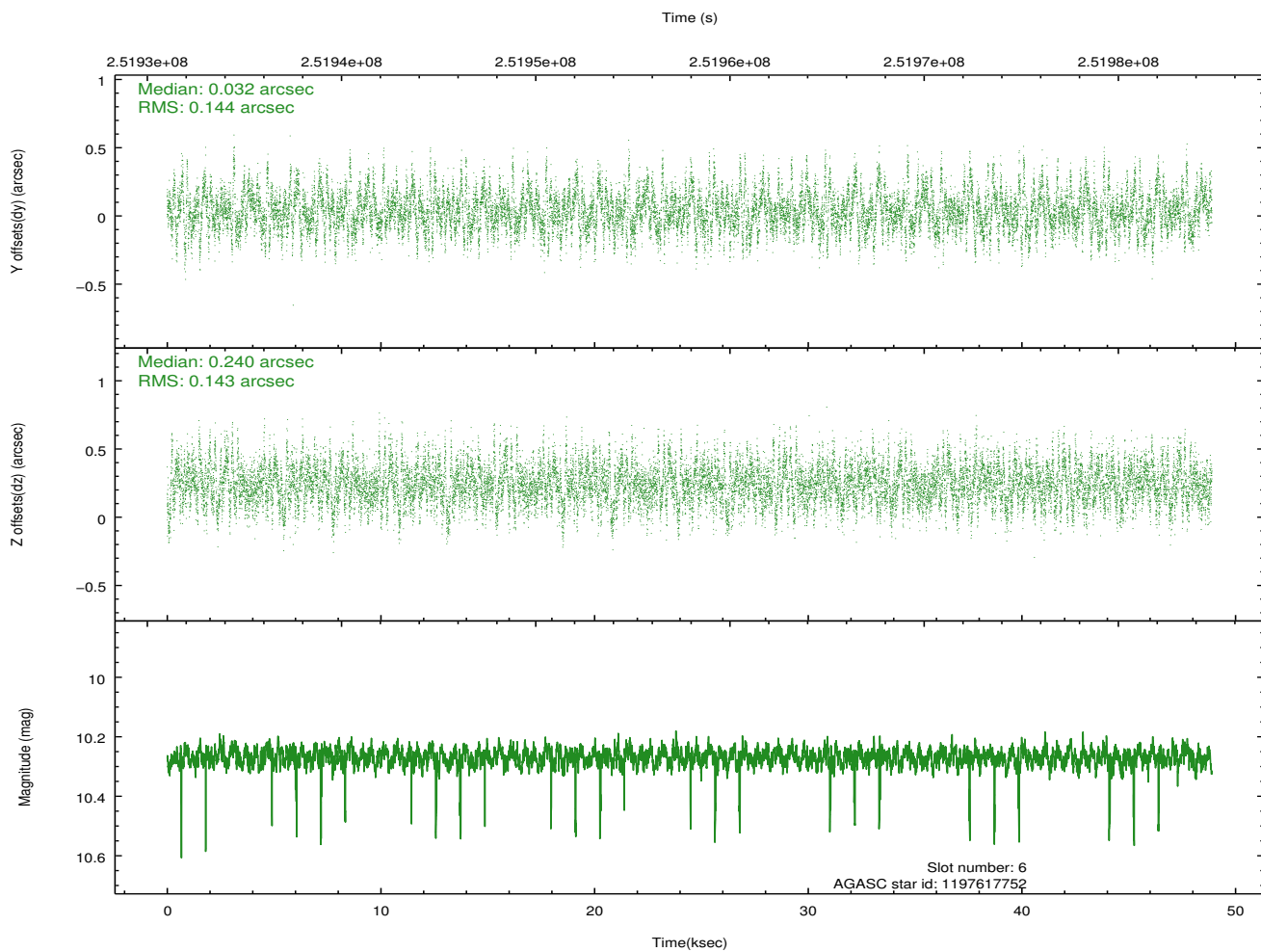
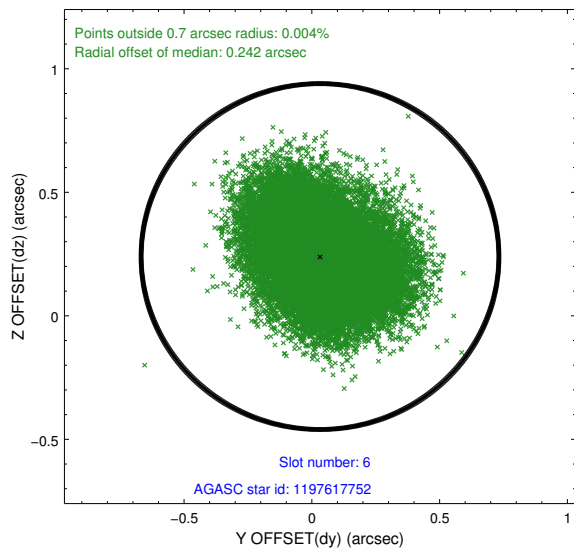
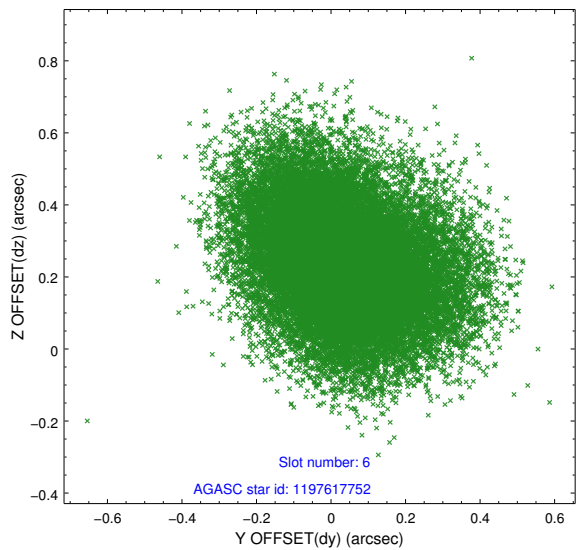
2.4.2 Slot 4



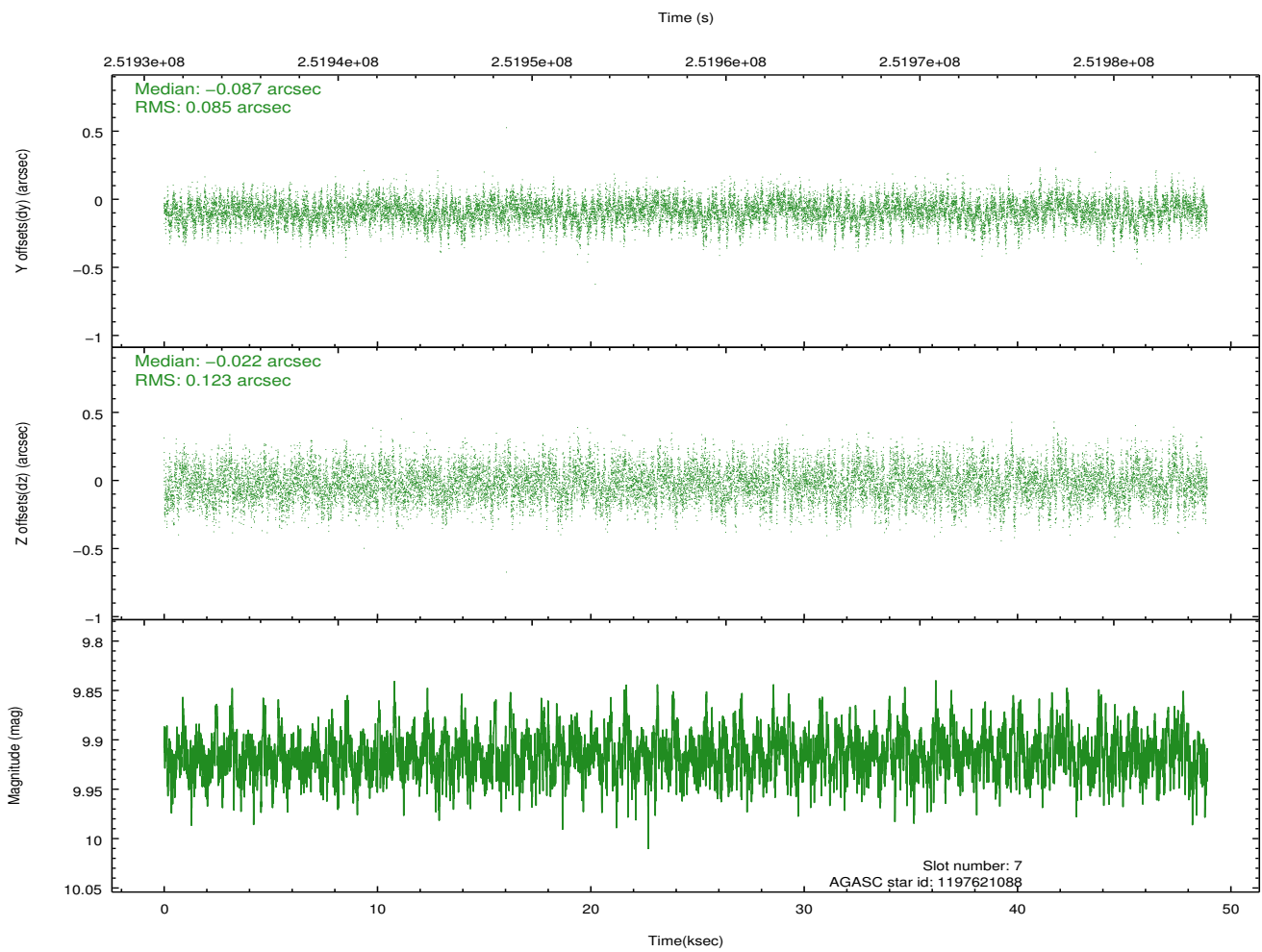
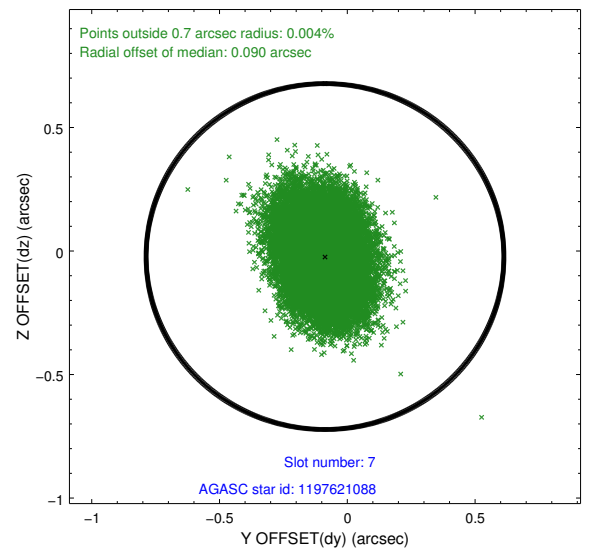
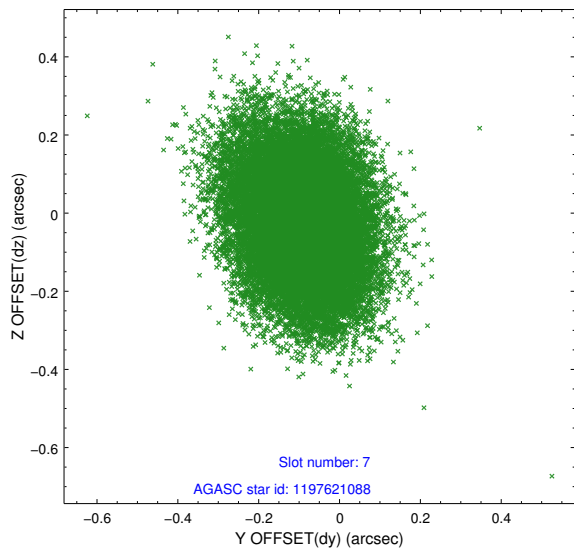
2.4.3 Slot 5



2.4.4 Slot 6

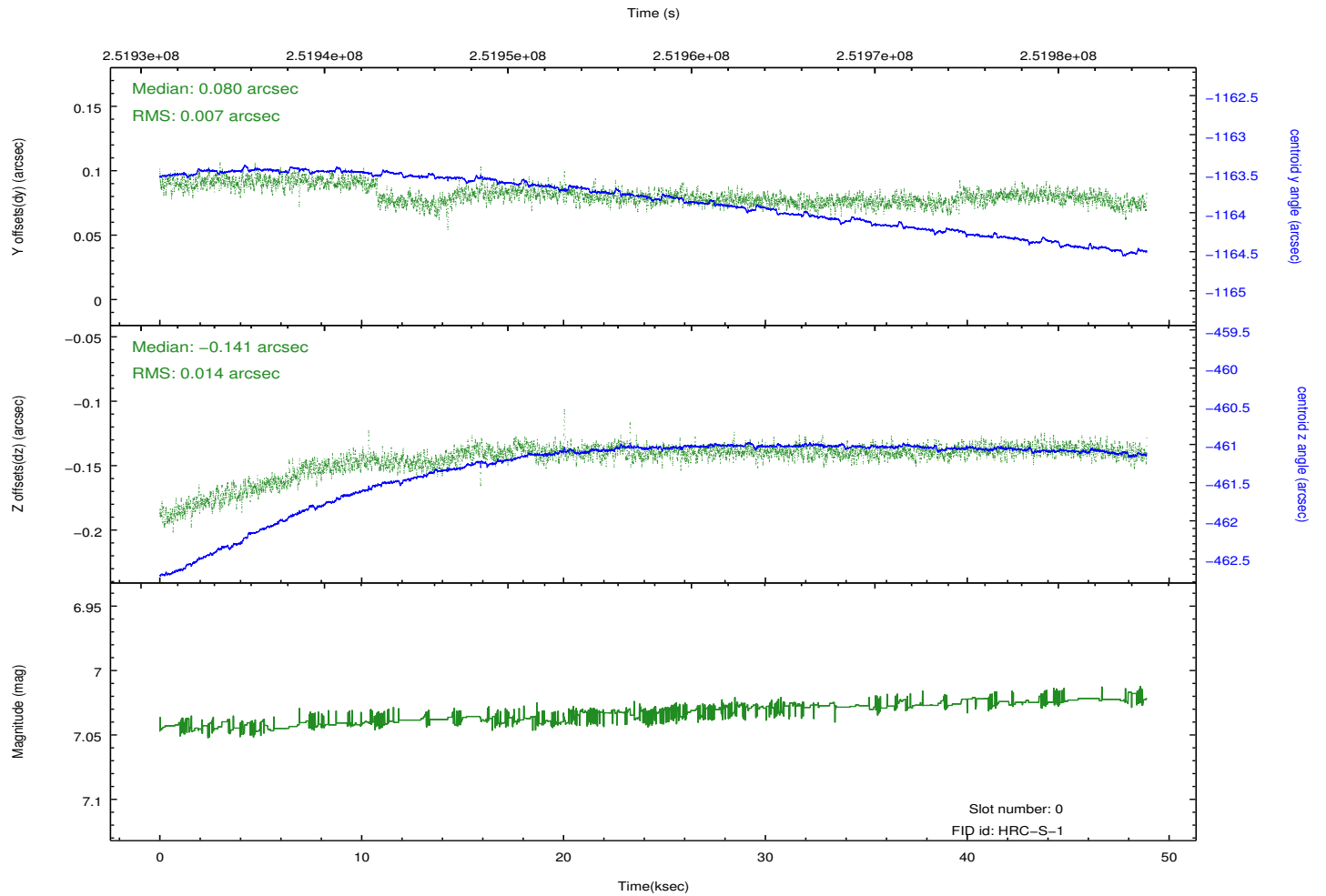
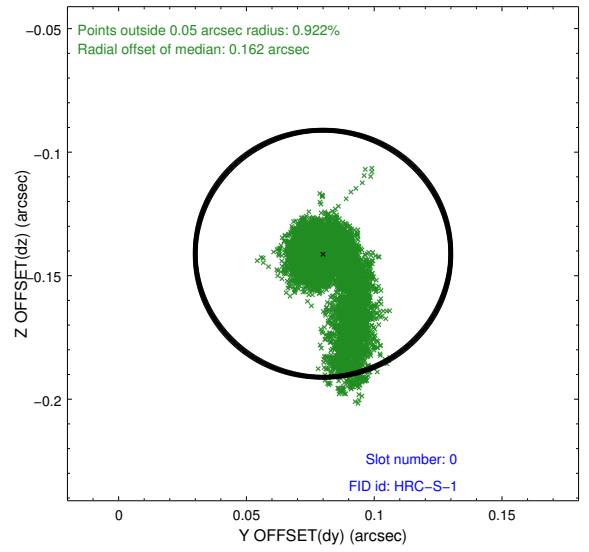
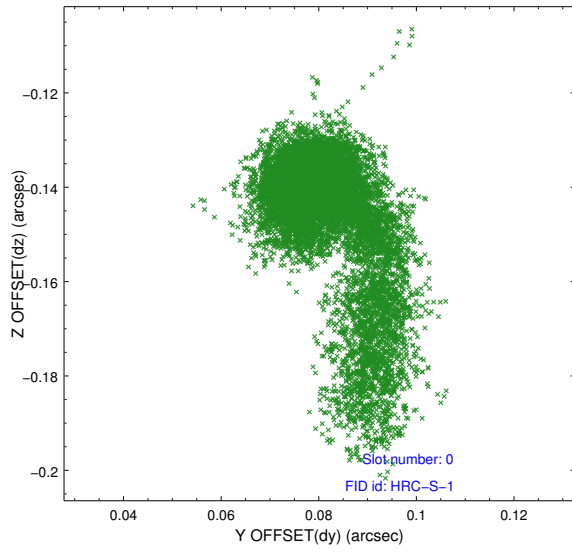


2.4.5 Slot 7

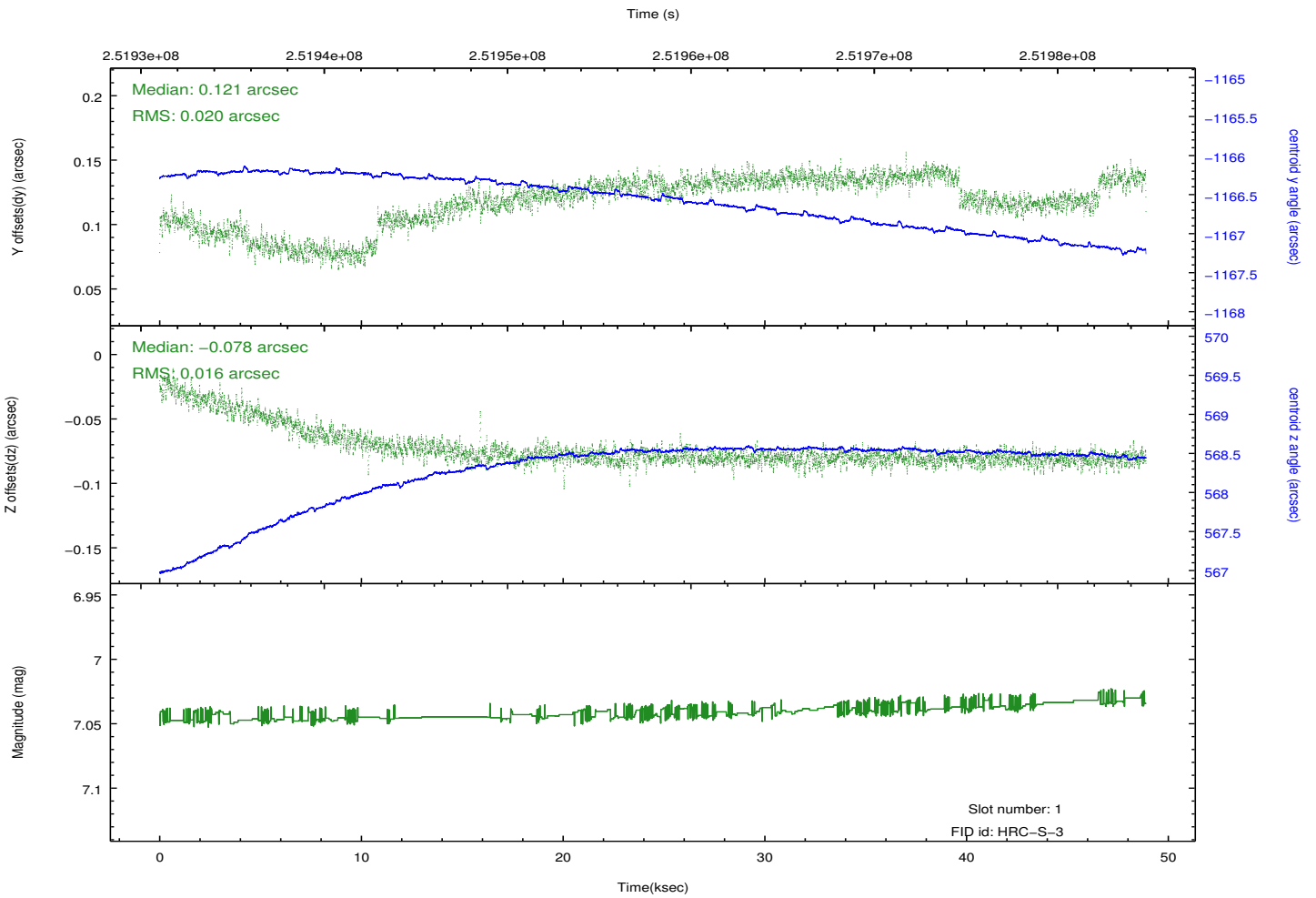
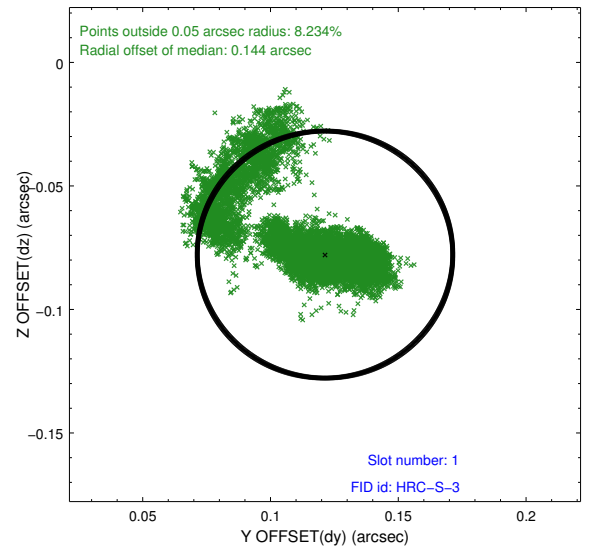
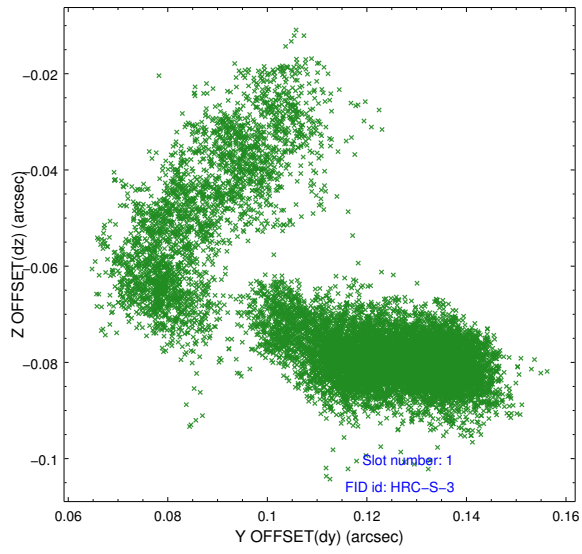


2.5 FID Slots

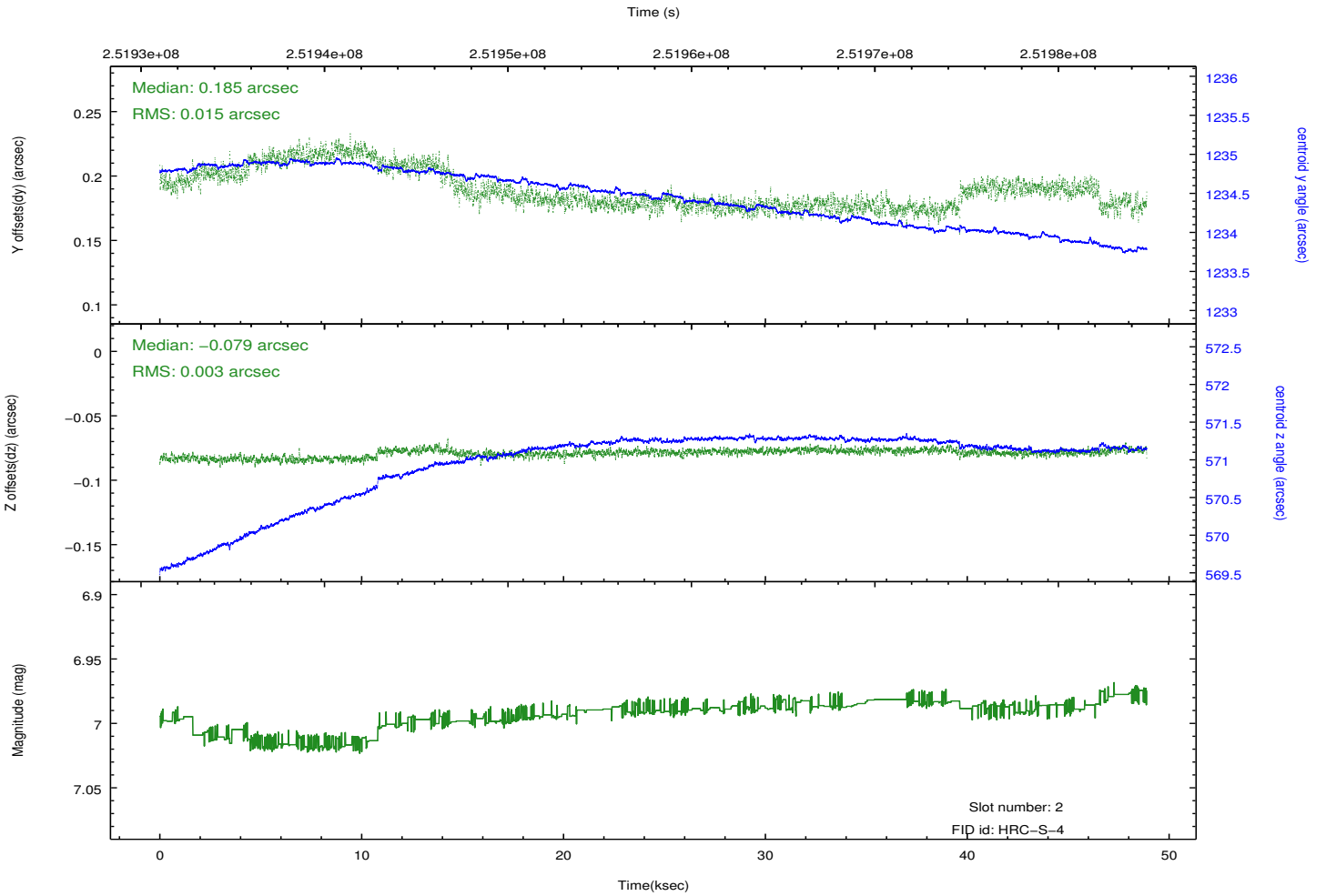
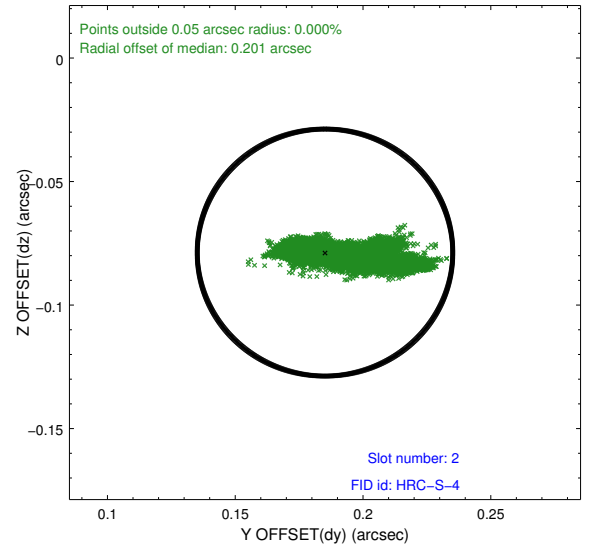
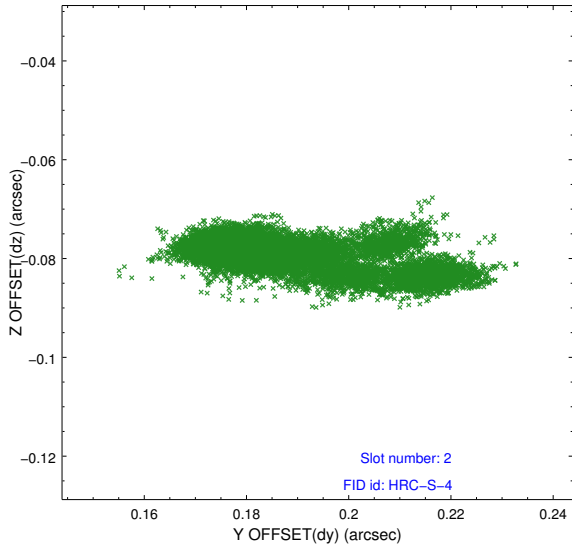
2.5.1 Slot 0



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	48.39563

A.2 Comments