

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21717 - L2 Version 2
Chandra X-Ray Center

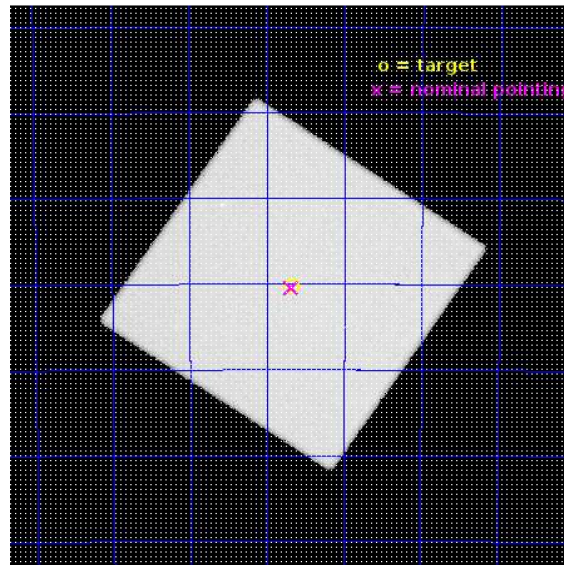
L2 Processing Date : Jan 25 2019

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1 Front

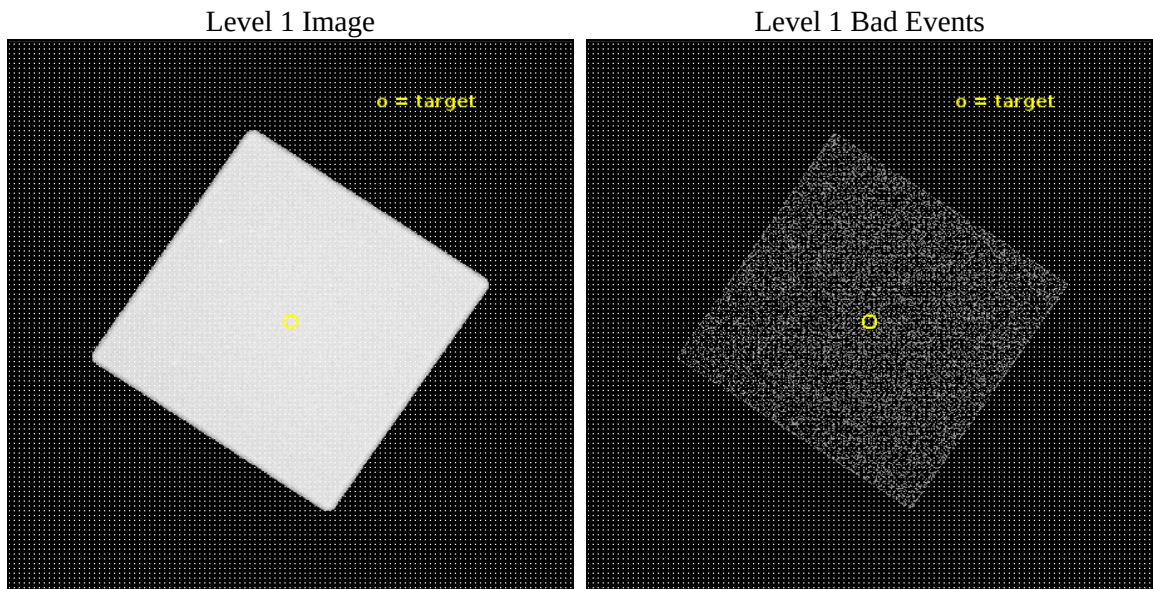
seq_num	801863	Sequence number
obs_id	21717	Observation id
title	Testing the Relative Sensitivity of HRC and ACIS to Faint, Soft, Extended Sources	Proposal title
observer	Ralph Kraft	Principal investigator
object	SPT-CLJ0001-5440	Source name
ra_targ	0.417083	Observer's specified target RA [deg]
dec_targ	-54.67	Observer's specified target Dec [deg]
ra_nom	0.42071544549293	Nominal RA [deg]
dec_nom	-54.674176550885	Nominal Dec [deg]
roll_nom	258.90751731077	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14140.132094741	[s]
livetime	13942.115872987	Ontime multiplied by DTCOR
l2events	1705276	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	14000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	14140.132094741	[s]
caldbver	4.8.2	 	l1events	2490304	Number of level 1 events
date	2019-01-25T20:16:37	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

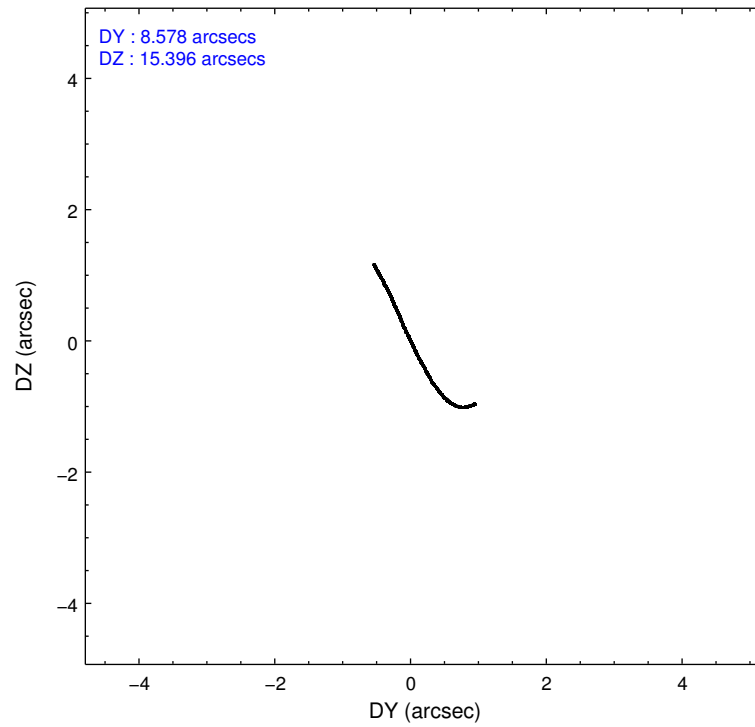
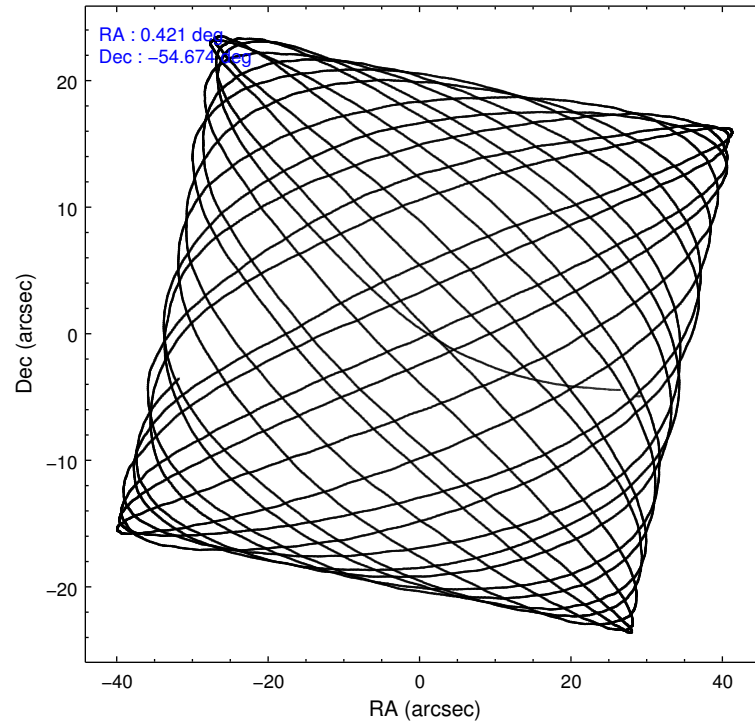
	segment 0
level 1 events	2490304
rejected events	239988
rejected %	9%

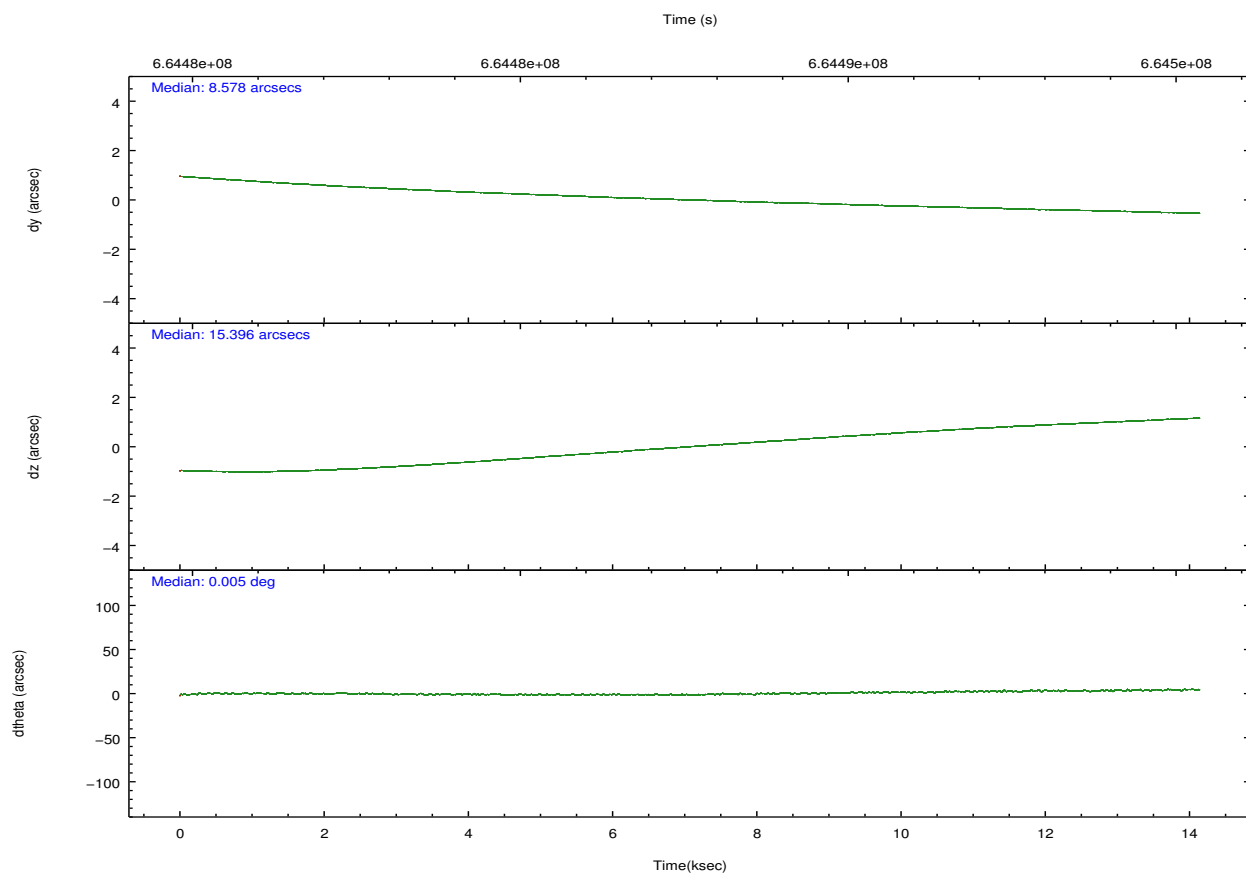
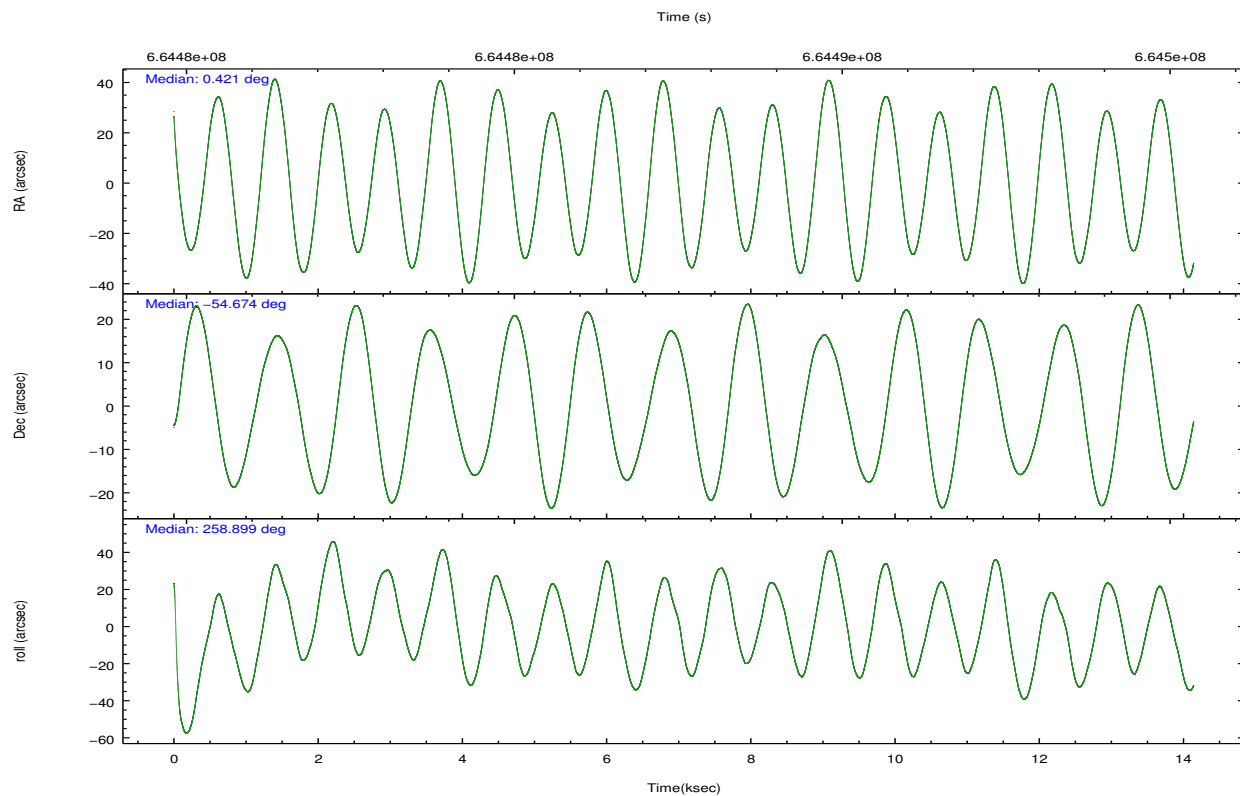
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	0.404528	0.4207154454929309
[deg] Pointing Dec	-54.648557	-54.67417655088483
[deg] Pointing Roll	258.989756	258.9075173107699
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	664480667.184000	664479337.7316
Observation start date	2019-01-21T17:56:38	2019-01-21T17:35:37
[s] Observation end time (MET)	664494667.184000	664494984.8700401
Observation end date	2019-01-21T21:49:58	2019-01-21T21:56:24

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

2.3 Aspect



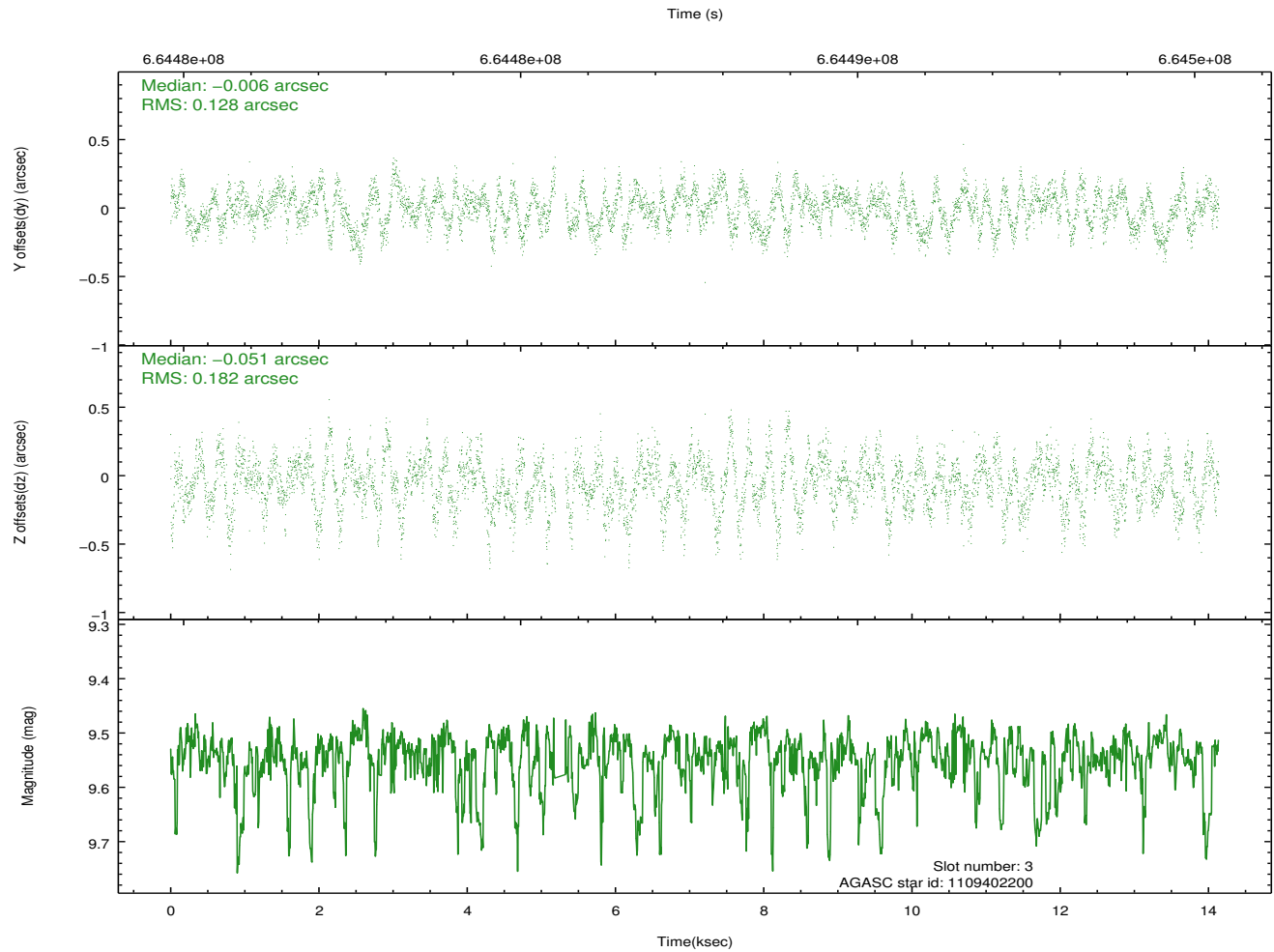
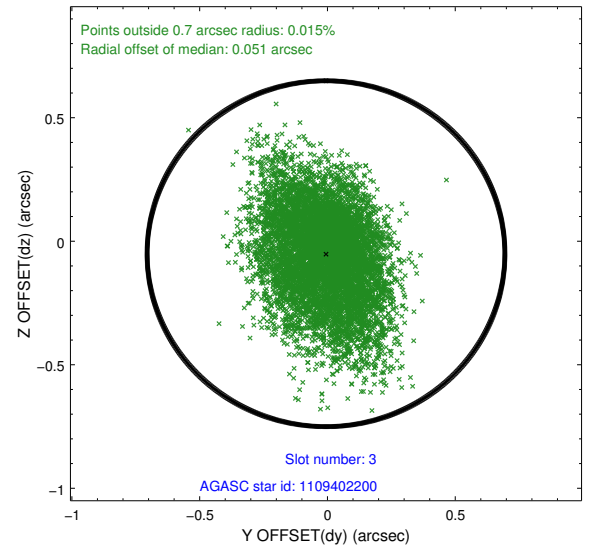
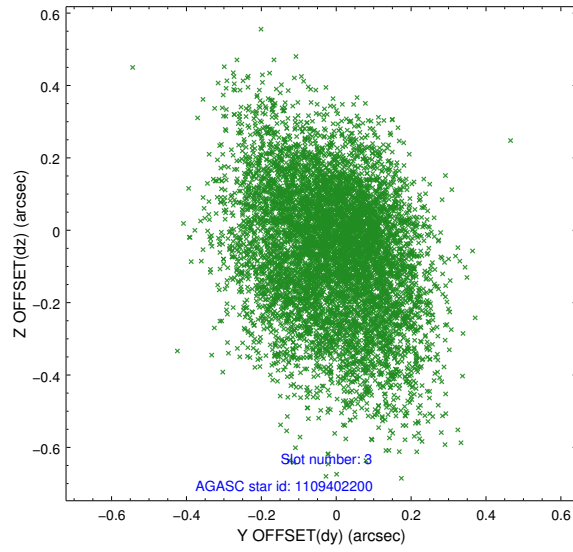


Slot Statistics

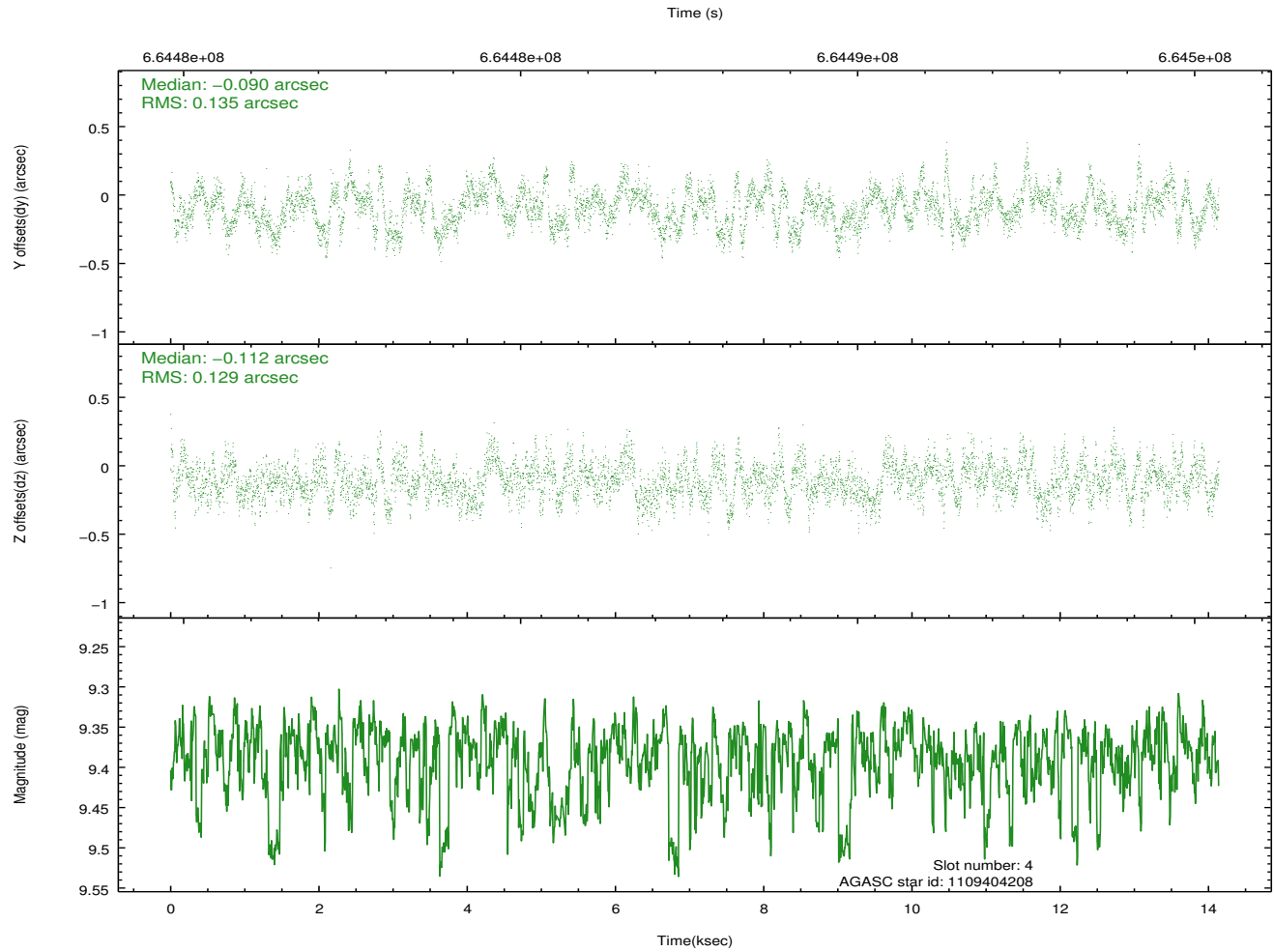
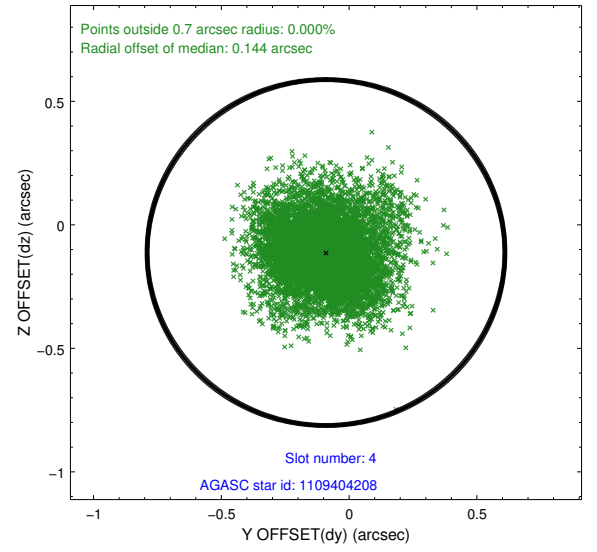
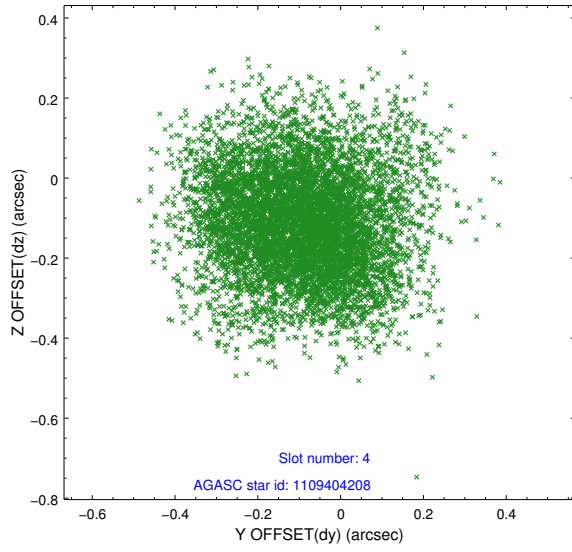
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.03	3450	1.000	-0.195	-0.052	0.028	0.043	0.000000	0.000000	-764.38	-1303
1	FID		HRC-I-2	7.04	3450	1.000	0.345	-0.113	0.024	0.036	0.000000	0.000000	848.57	-1305
2	FID		HRC-I-3	7.11	3450	1.000	-0.039	0.081	0.015	0.026	0.000000	0.000000	-1192.59	1000
3	GUIDE	used	1109402200	9.54	6830	1.000	-0.006	-0.051	0.234	0.393	1.495564	-54.640618	-444.16	2229
4	GUIDE	used	1109404208	9.38	6894	1.000	-0.090	-0.112	0.201	0.322	0.949663	-54.996141	1017.43	1346
5	GUIDE	used	1157763184	8.51	6892	1.000	-0.073	0.316	0.135	0.227	359.763393	-54.646333	253.74	-1309
6	GUIDE	used	1158155768	9.73	6695	1.000	0.188	-0.145	0.270	0.469	359.415582	-55.212324	2394.87	-1602
7	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0

2.4 Star Slots

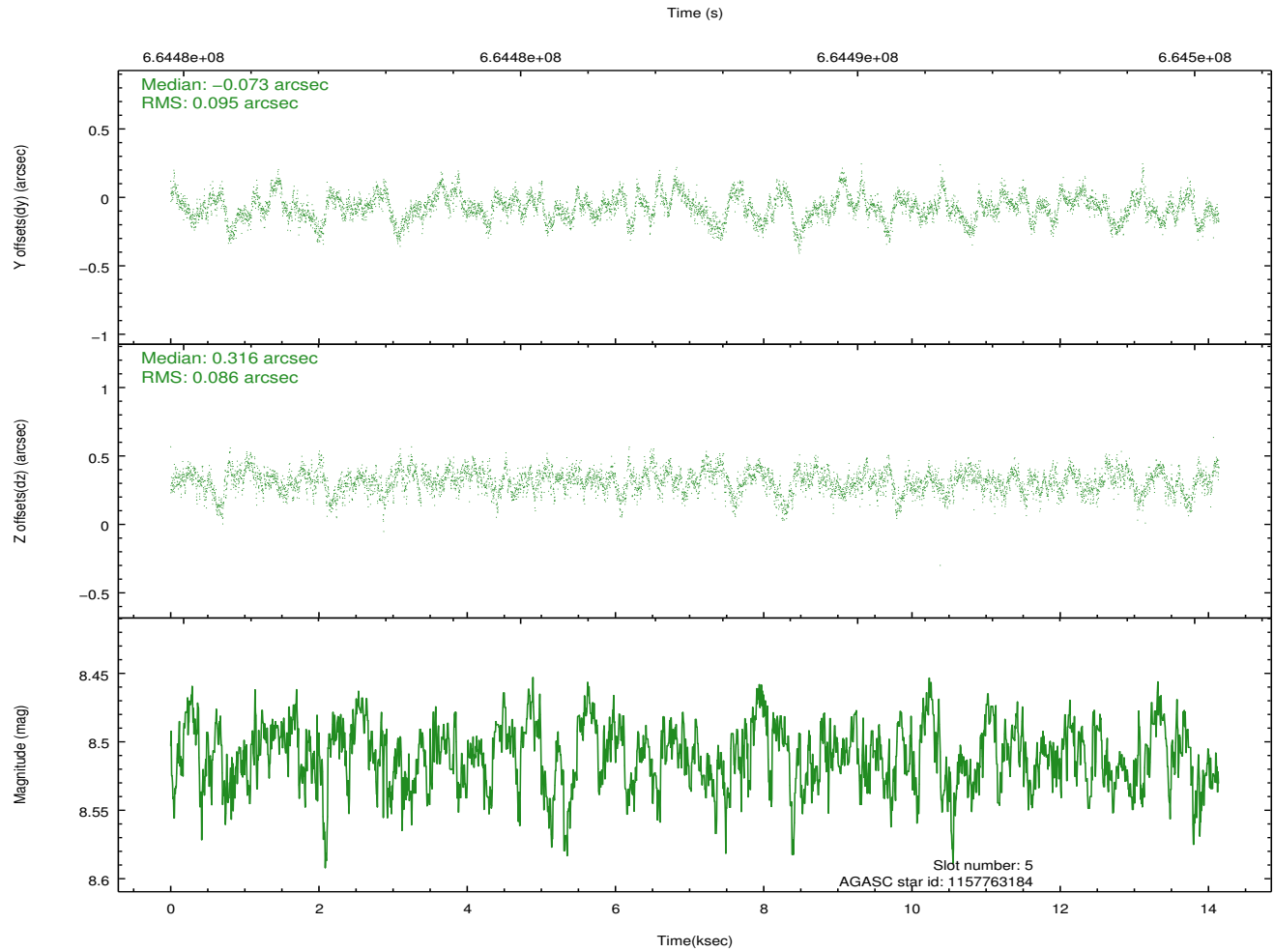
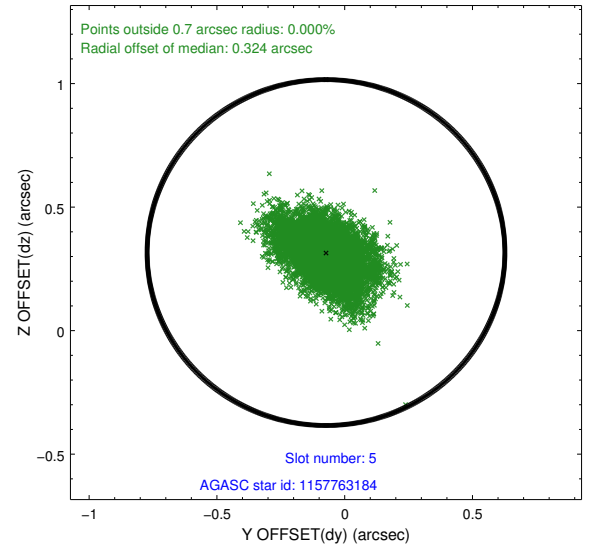
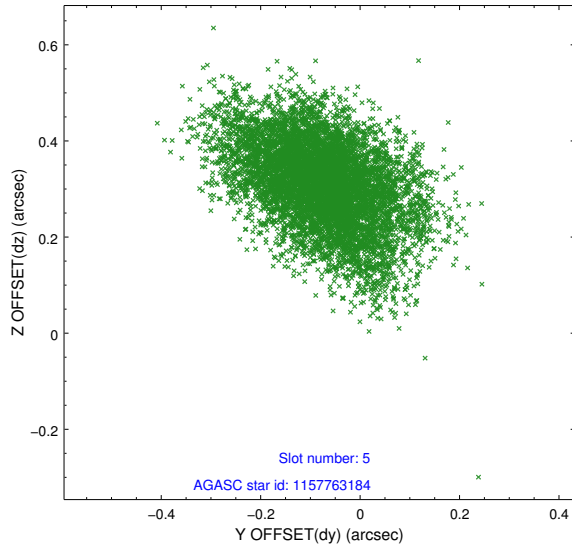
2.4.1 Slot 3



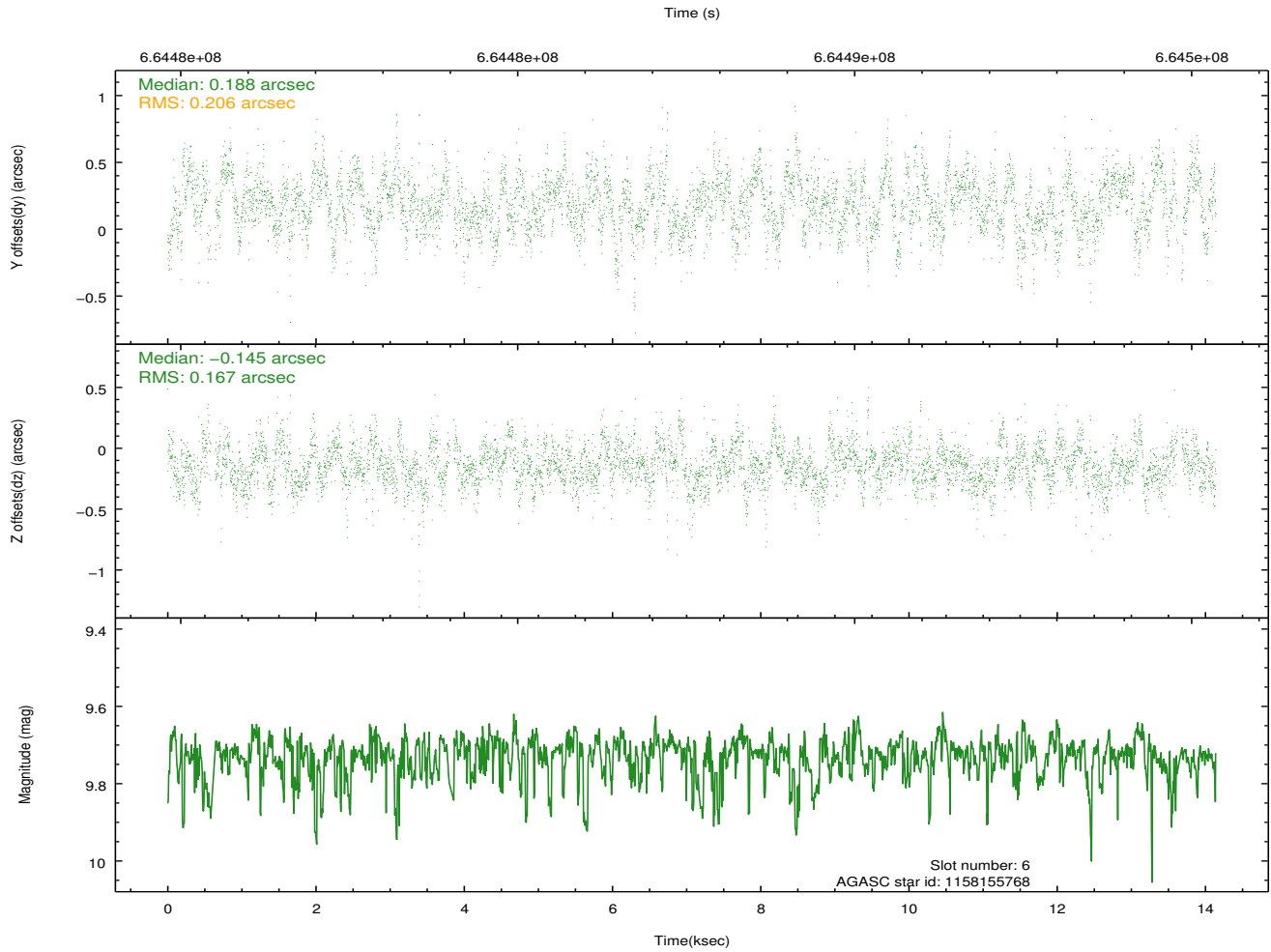
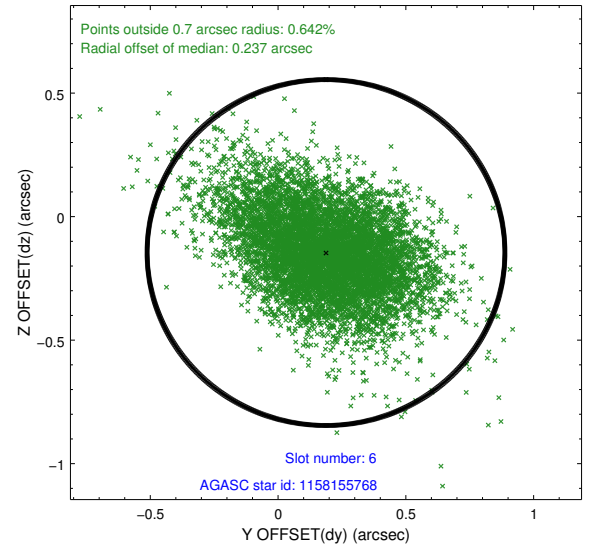
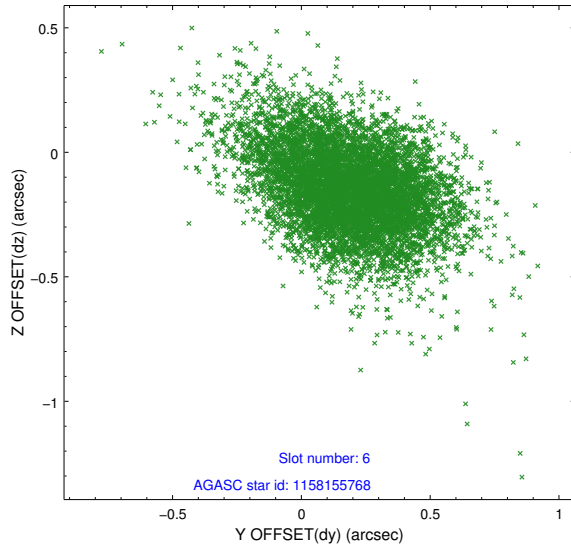
2.4.2 Slot 4



2.4.3 Slot 5

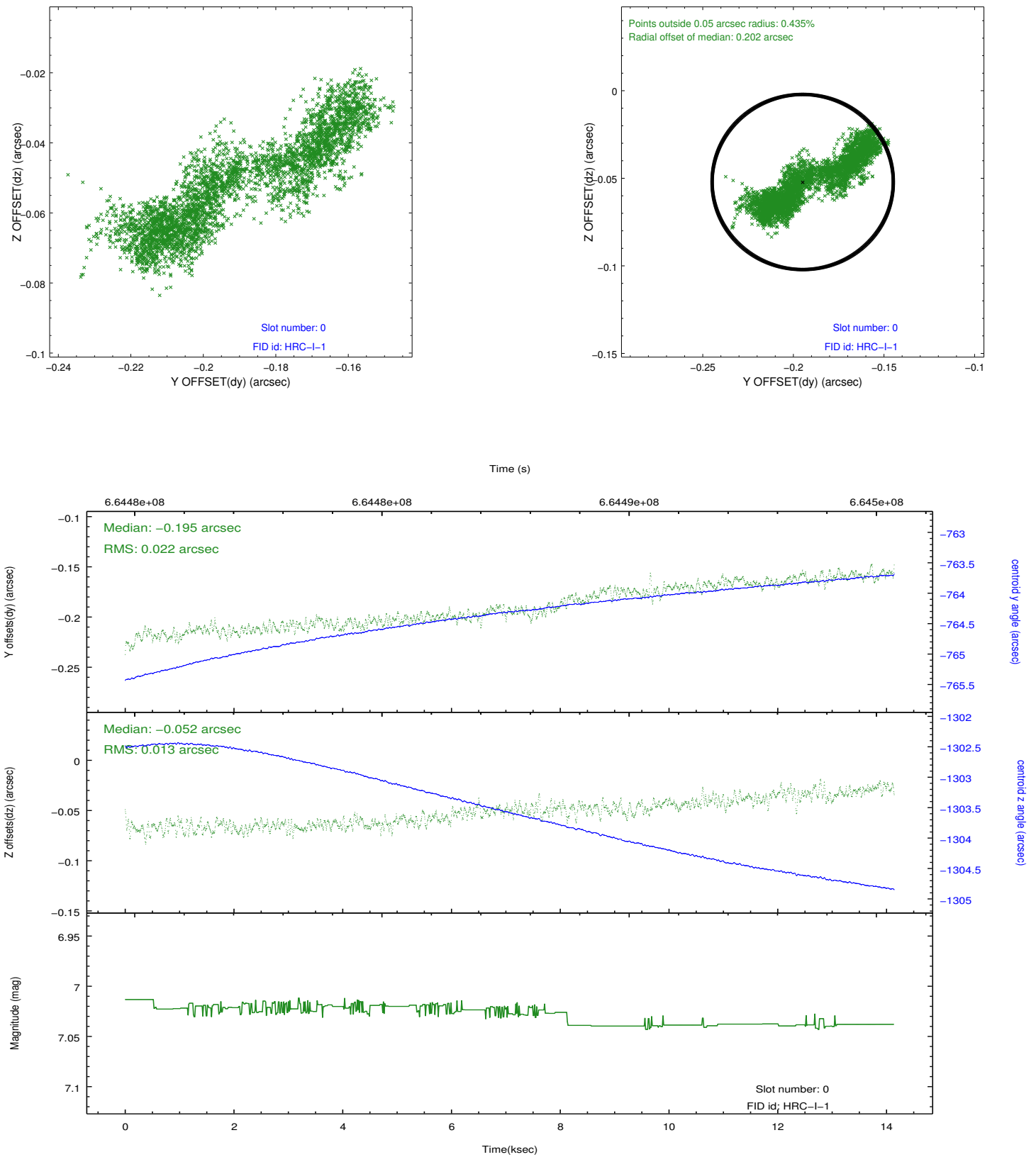


2.4.4 Slot 6

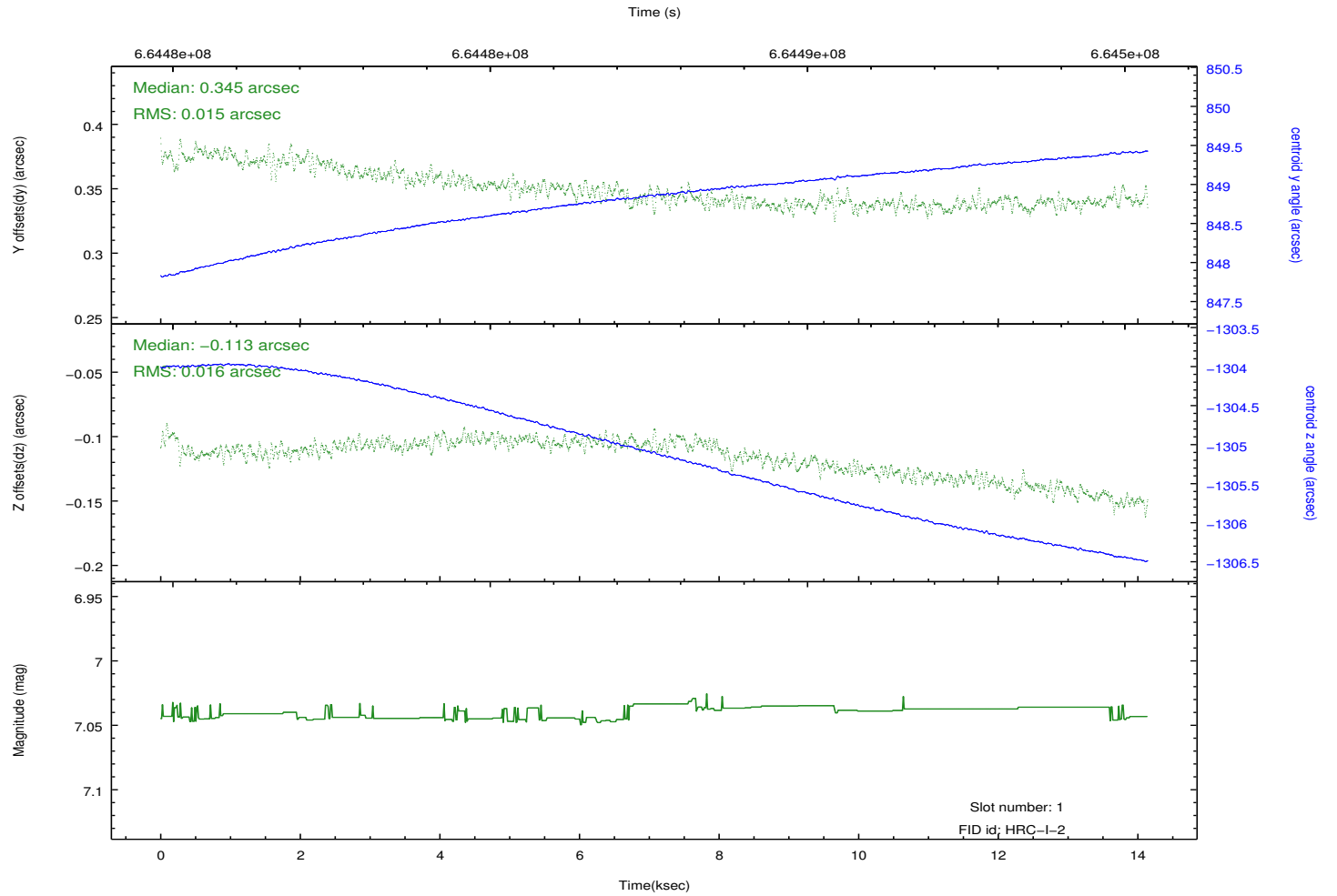
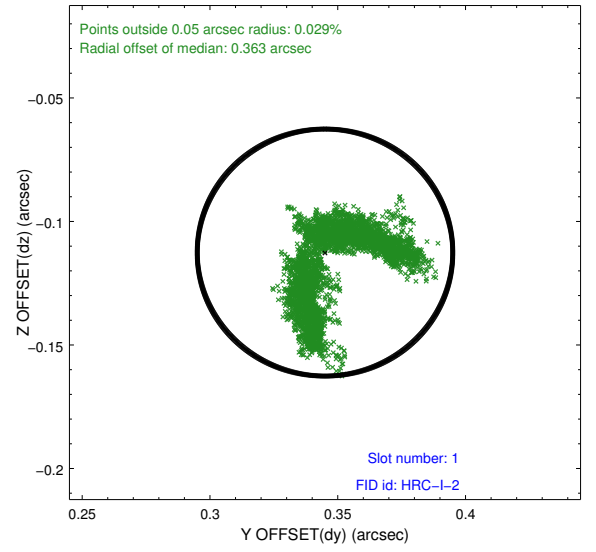
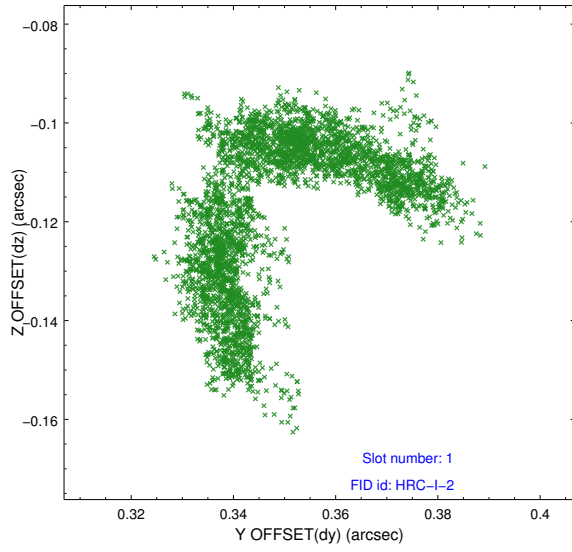


2.5 FID Slots

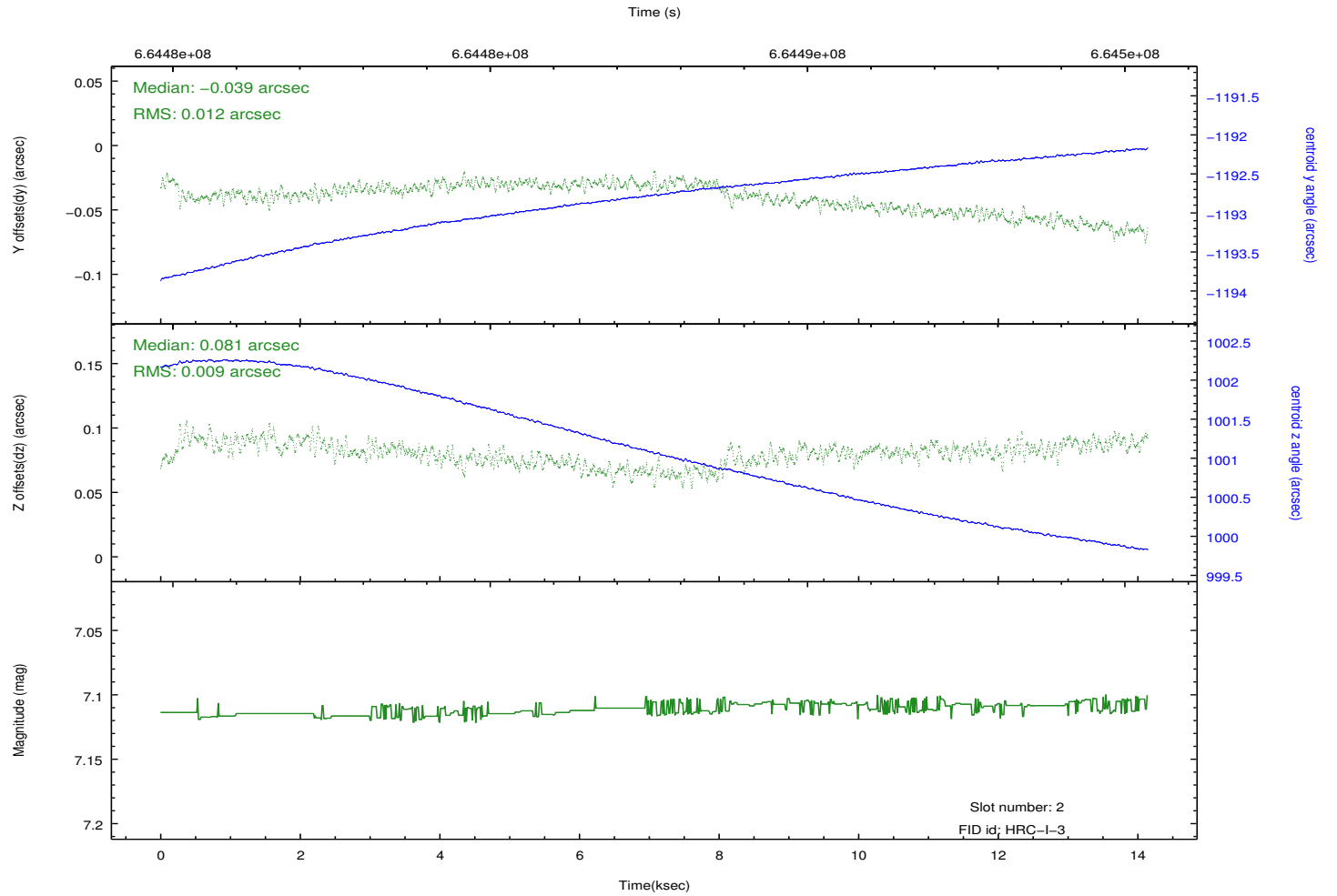
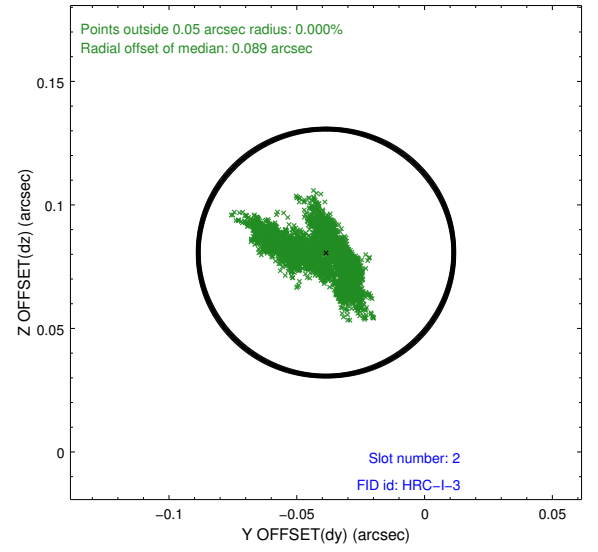
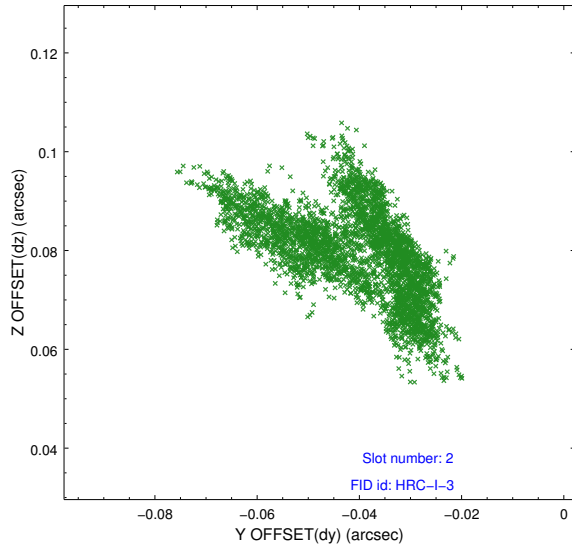
2.5.1 Slot 0



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)	2019.01.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.140132094741

A.2 Comments

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.