

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 20847 - L2 Version 1
Chandra X-Ray Center

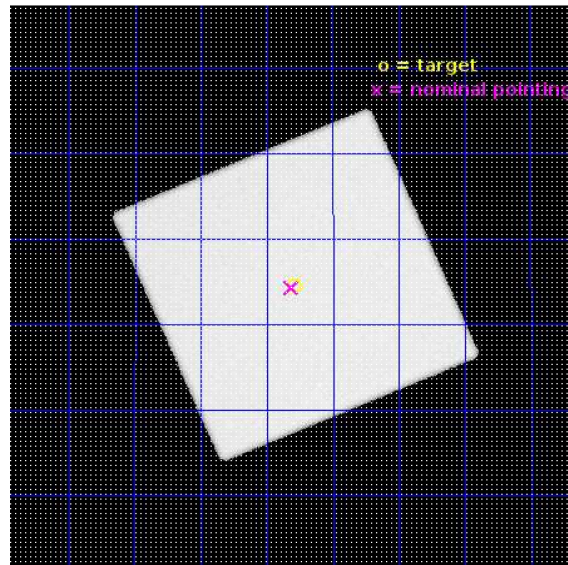
L2 Processing Date : Nov 13 2017

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1 Front

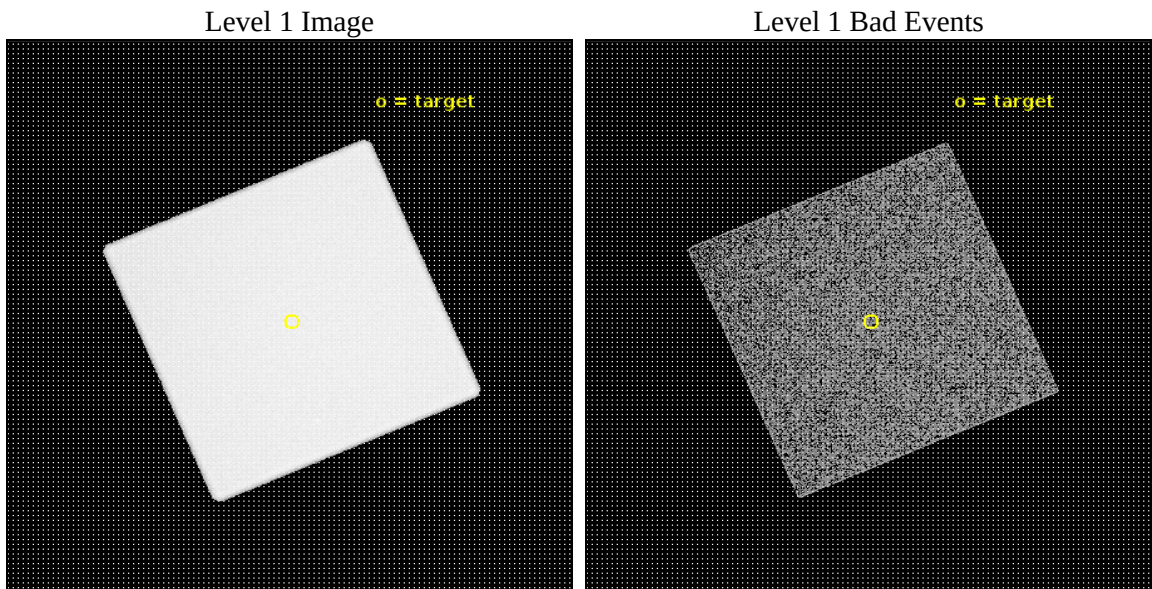
seq_num	100171	Sequence number
obs_id	20847	Observation id
title	Uranus During an Interplanetary Coronal Mass Ejection	Proposal tit
observer	William Dunn	Principal investigator
object	Uranus	Source name
ra_targ	23.697375	Observer's specified target RA [deg]
dec_targ	9.242806	Observer's specified target Dec [deg]
ra_nom	23.703354612311	Nominal RA [deg]
dec_nom	9.238652347664	Nominal Dec [deg]
roll_nom	291.90353294251	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25050.232719541	[s]
livetime	24534.407232462	Ontime multiplied by DTCOR
l2events	2601846	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	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	25050.232719541	[s]
caldbver	4.7.6	 	l1events	3723729	Number of level 1 events
date	2017-11-13T06:24:19	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

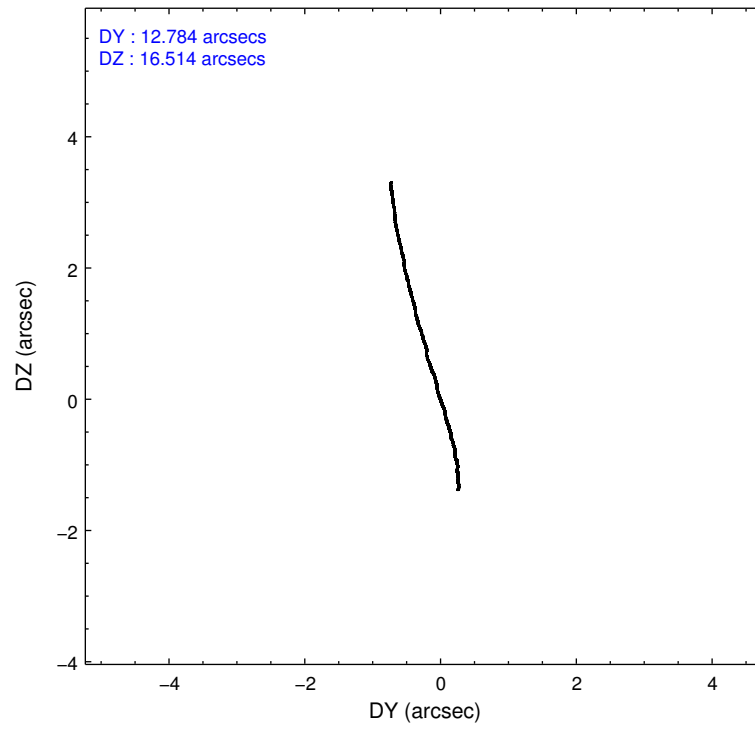
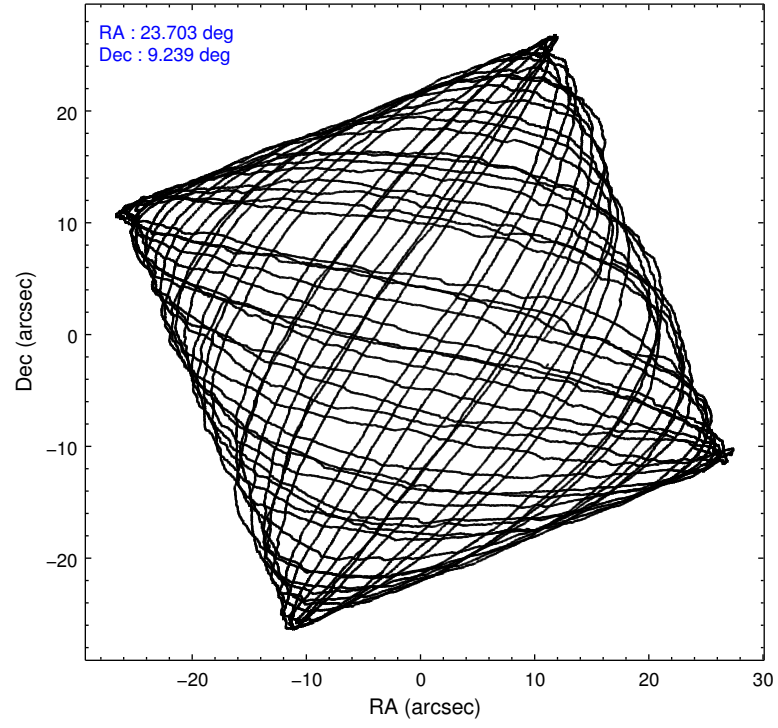
	segment 0
level 1 events	3723729
rejected events	272731
rejected %	7%

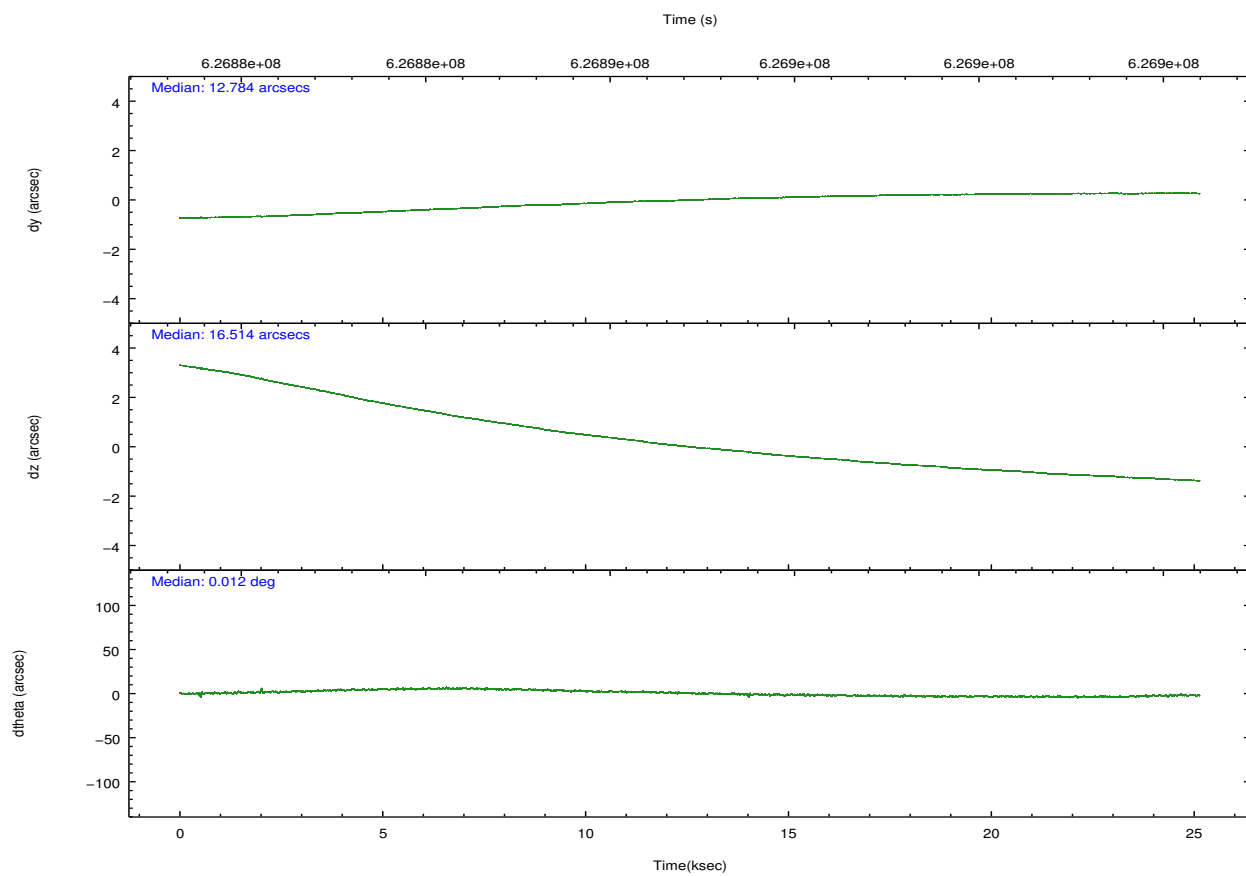
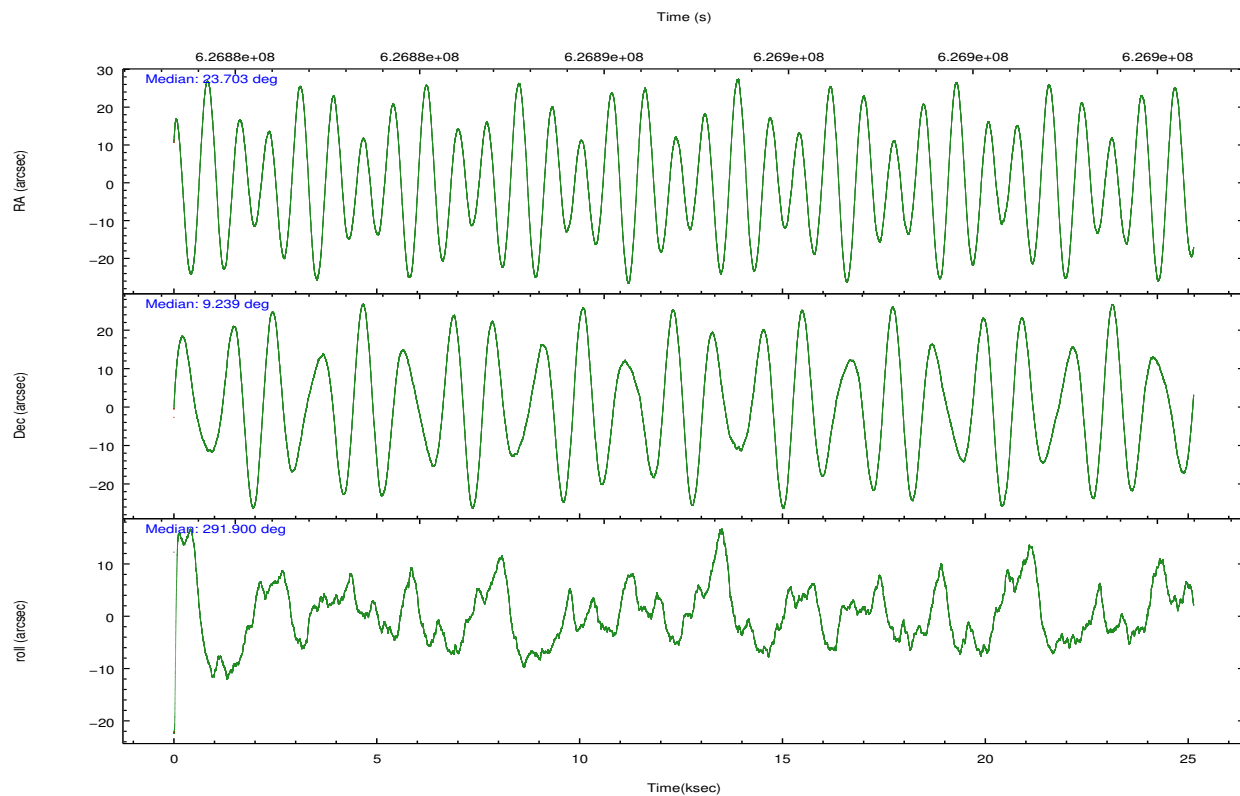
2.2 Compared Parameters

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	23.681205	23.70335461231127
[deg] Pointing Dec	9.255010	9.238652347663987
[deg] Pointing Roll	292.002600	291.9035329425109
[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)	626879754.184000	626878618.26355
Observation start date	2017-11-12T13:14:45	2017-11-12T12:56:58
[s] Observation end time (MET)	626904754.184000	626905648.54013
Observation end date	2017-11-12T20:11:25	2017-11-12T20:27:28

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

2.3 Aspect



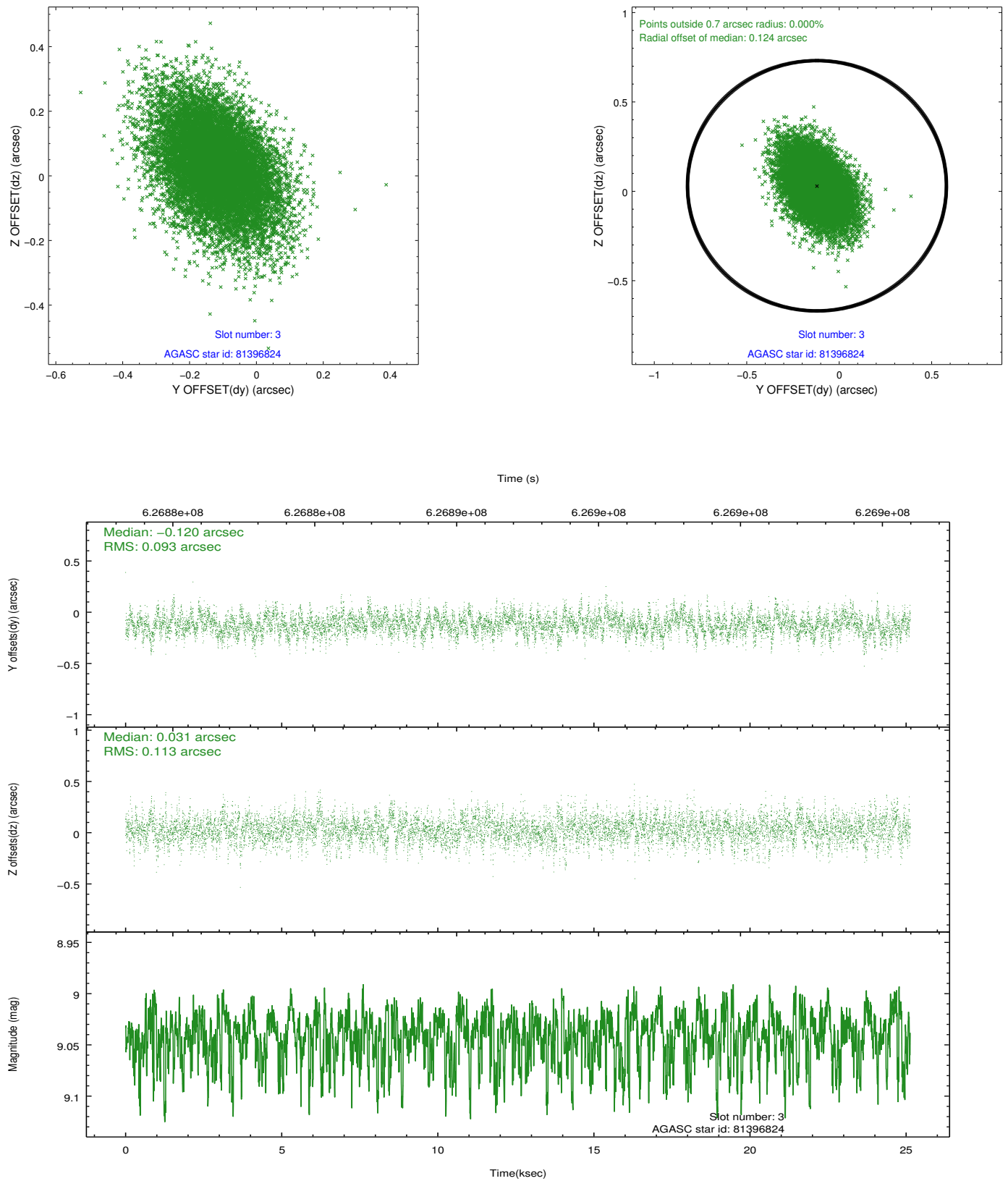


Slot Statistics

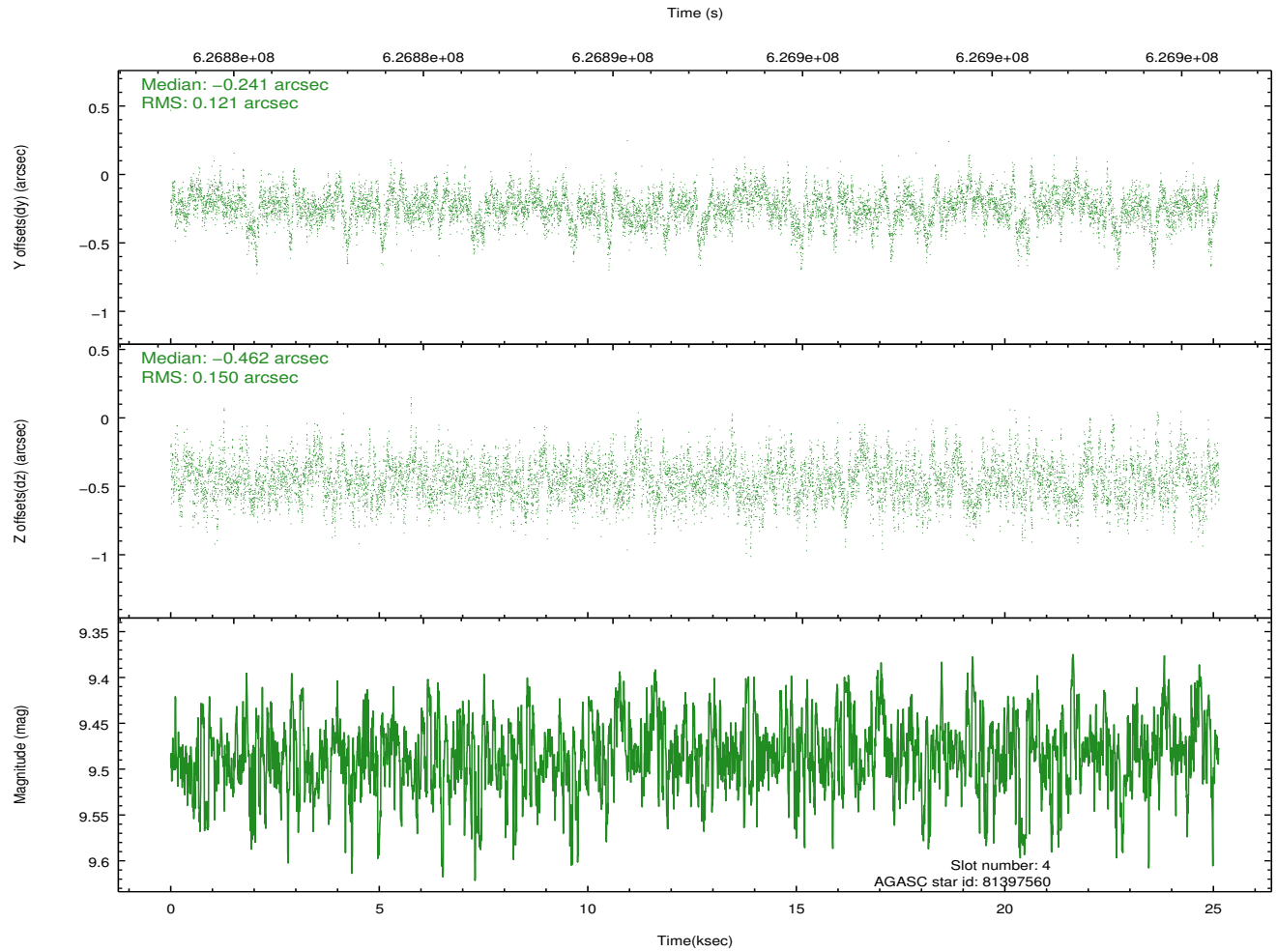
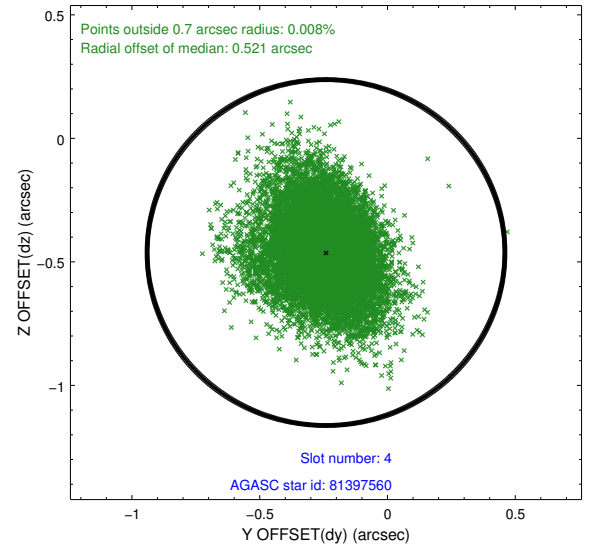
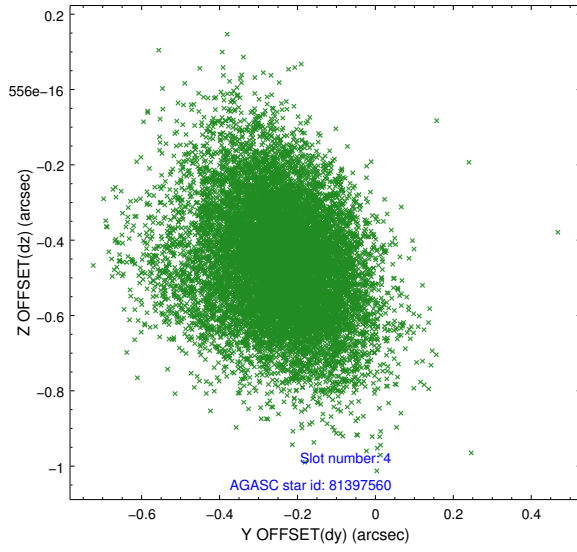
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.05	6131	-0.076	-0.090	0.037	0.045	0.000000	0.000000	-768.59	-1305.04
1	FID		HRC-I-3	7.13	6131	-0.203	-0.087	0.016	0.026	0.000000	0.000000	-1197.17	999.34
2	FID		HRC-I-4	7.08	6130	0.397	0.085	0.038	0.046	0.000000	0.000000	1274.64	997.33
3	GUIDE	used	81396824	9.04	12248	-0.120	0.031	0.151	0.264	23.816147	9.920290	-2040.61	1340.26
4	GUIDE	used	81397560	9.48	12250	-0.241	-0.462	0.201	0.343	24.004098	8.965422	1396.26	674.34
5	GUIDE	used	81398656	8.26	12256	0.293	0.652	0.148	0.254	23.482471	8.993627	608.43	-1006.52
6	GUIDE	used	81398720	9.31	12251	0.184	0.137	0.189	0.313	23.042891	9.237057	-790.24	-2125.56
7	GUIDE	used	81401848	9.51	12242	-0.109	-0.361	0.208	0.361	24.221068	8.860999	2033.97	1248.99

2.4 Star Slots

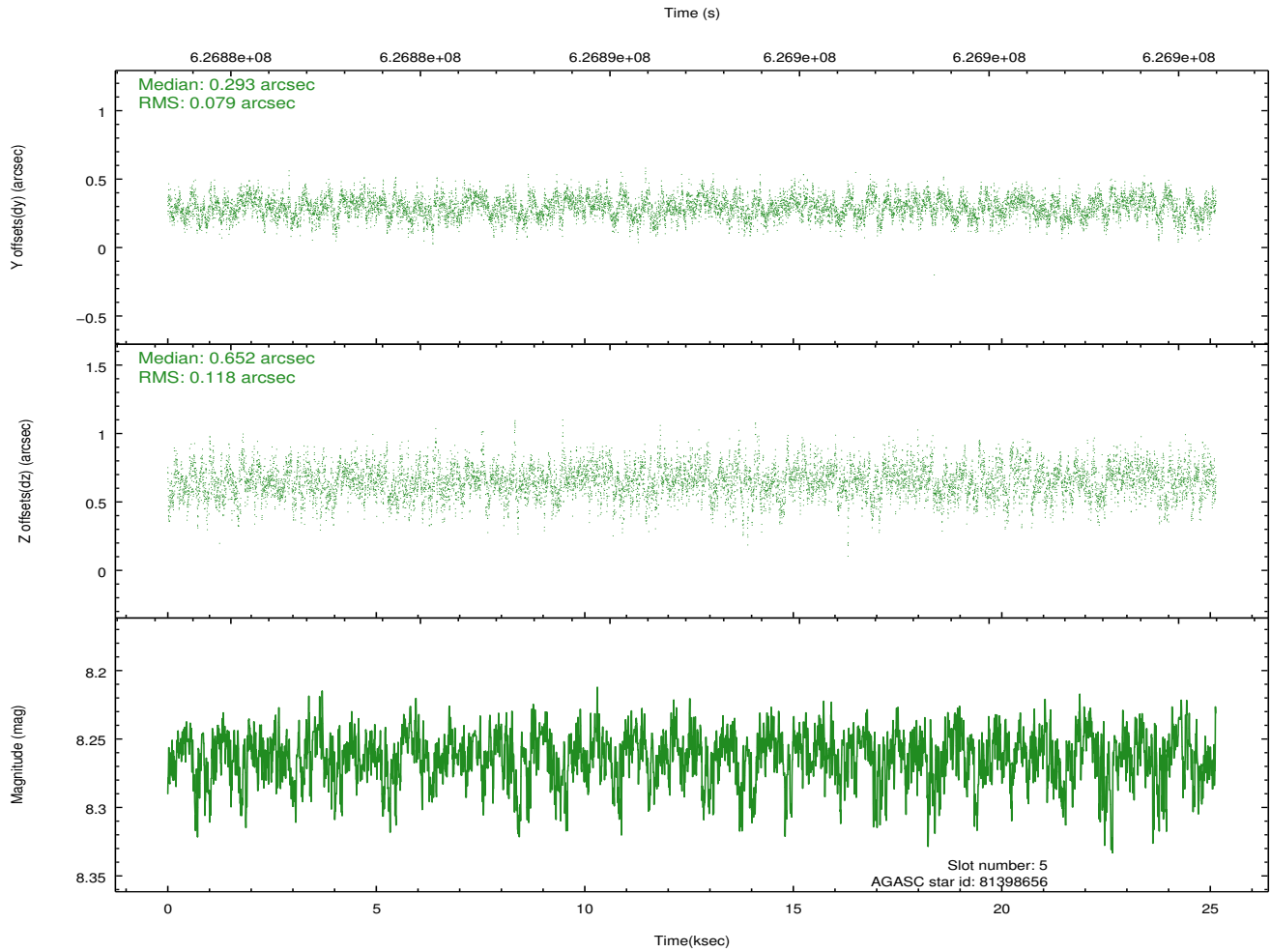
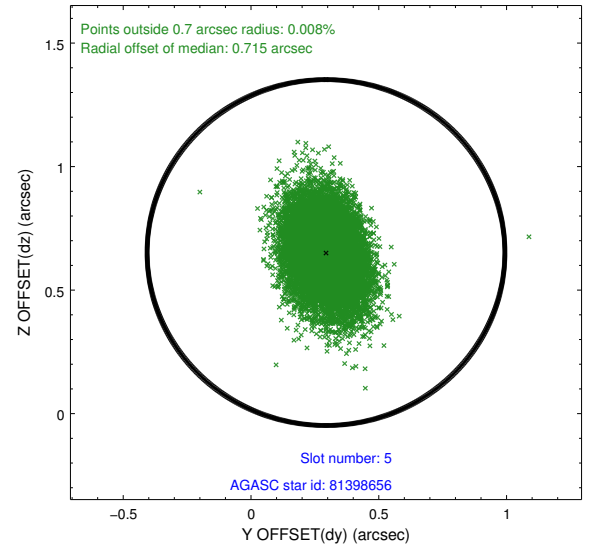
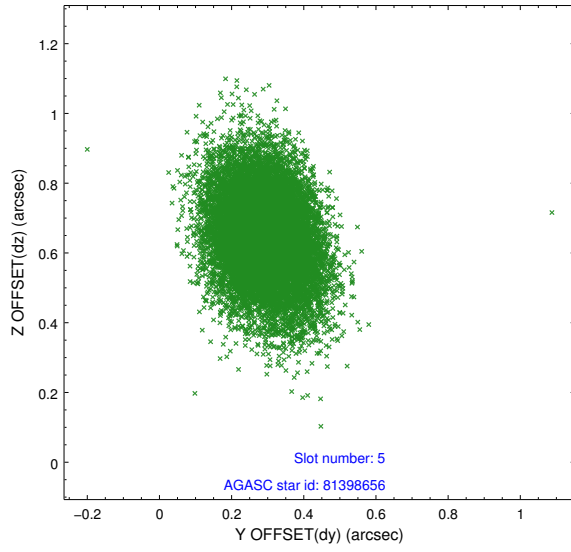
2.4.1 Slot 3



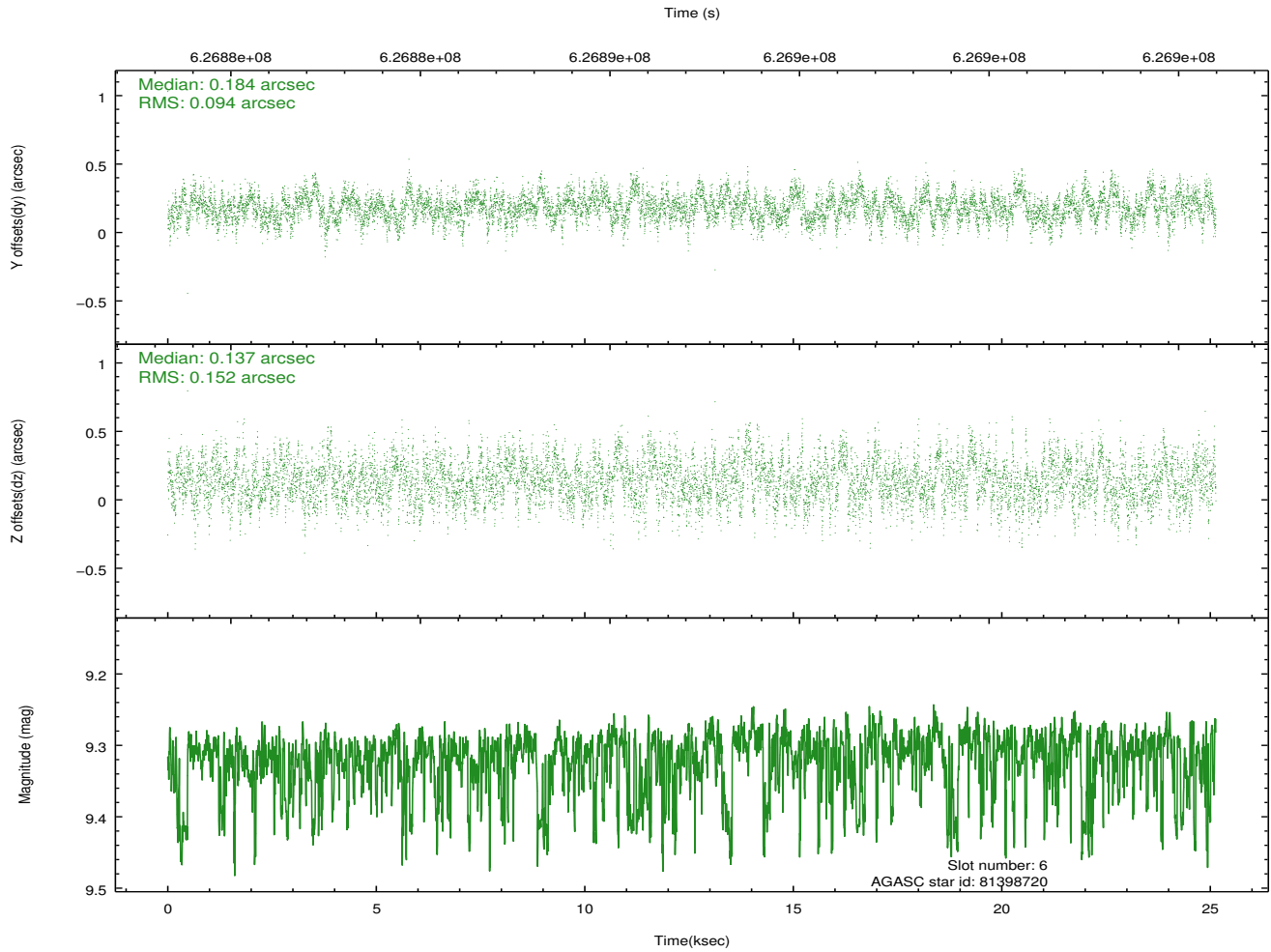
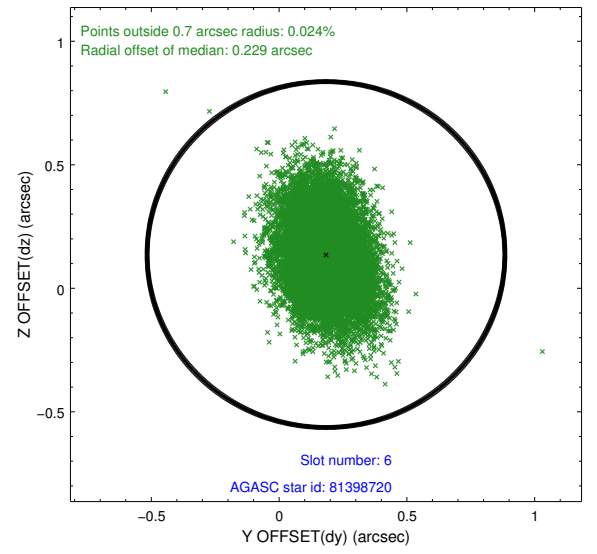
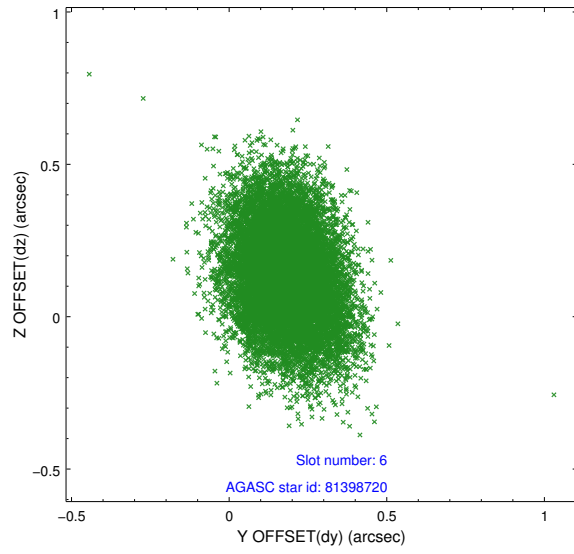
2.4.2 Slot 4



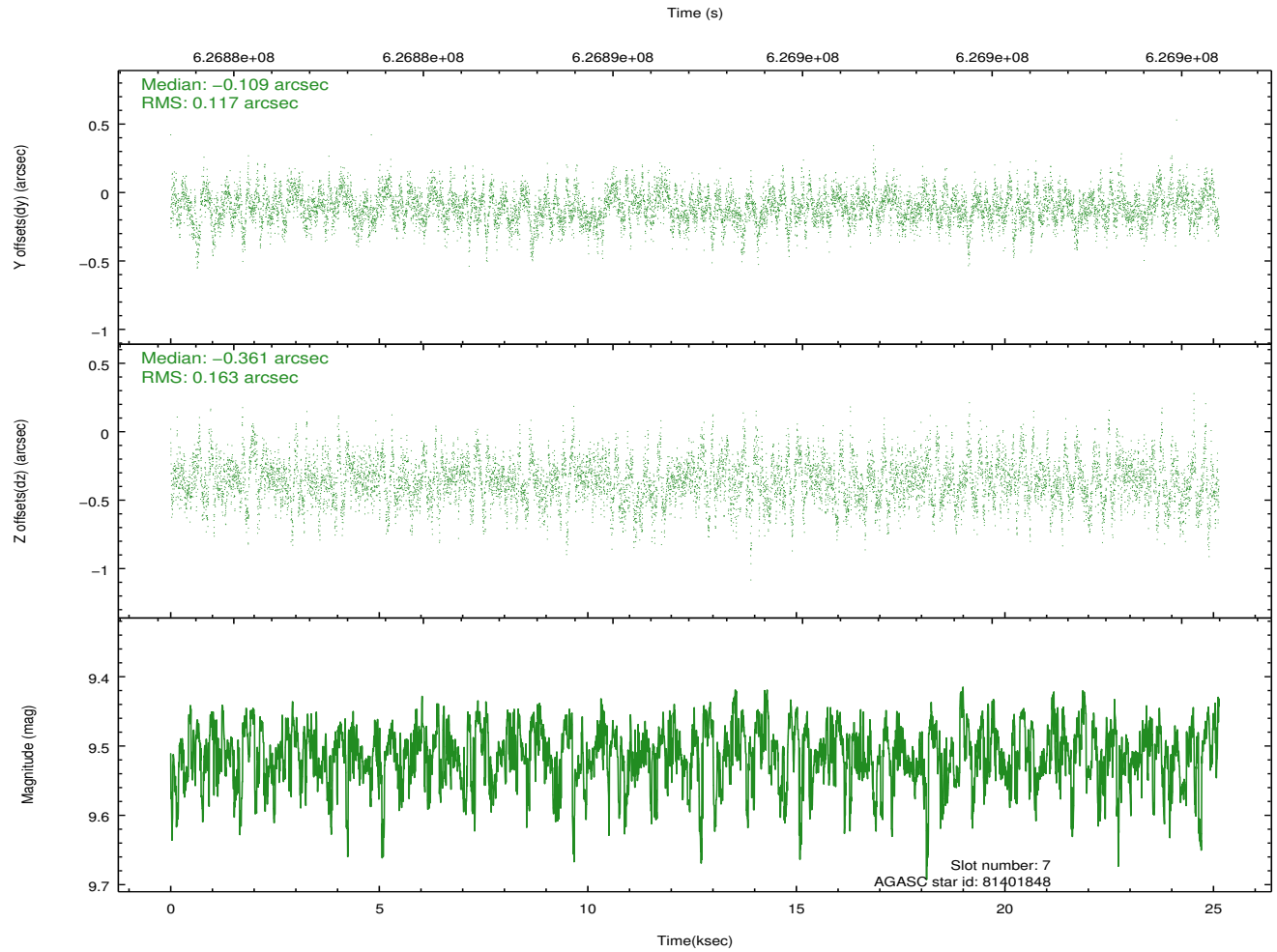
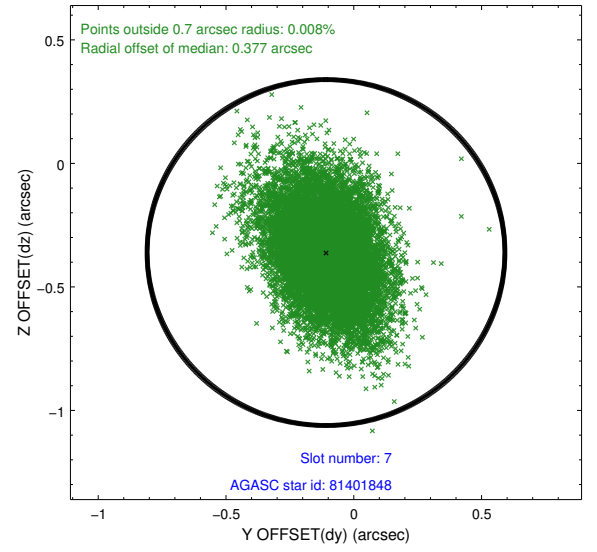
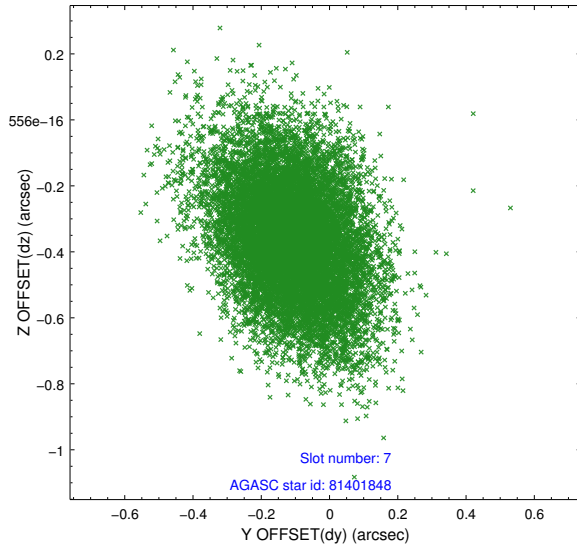
2.4.3 Slot 5



2.4.4 Slot 6

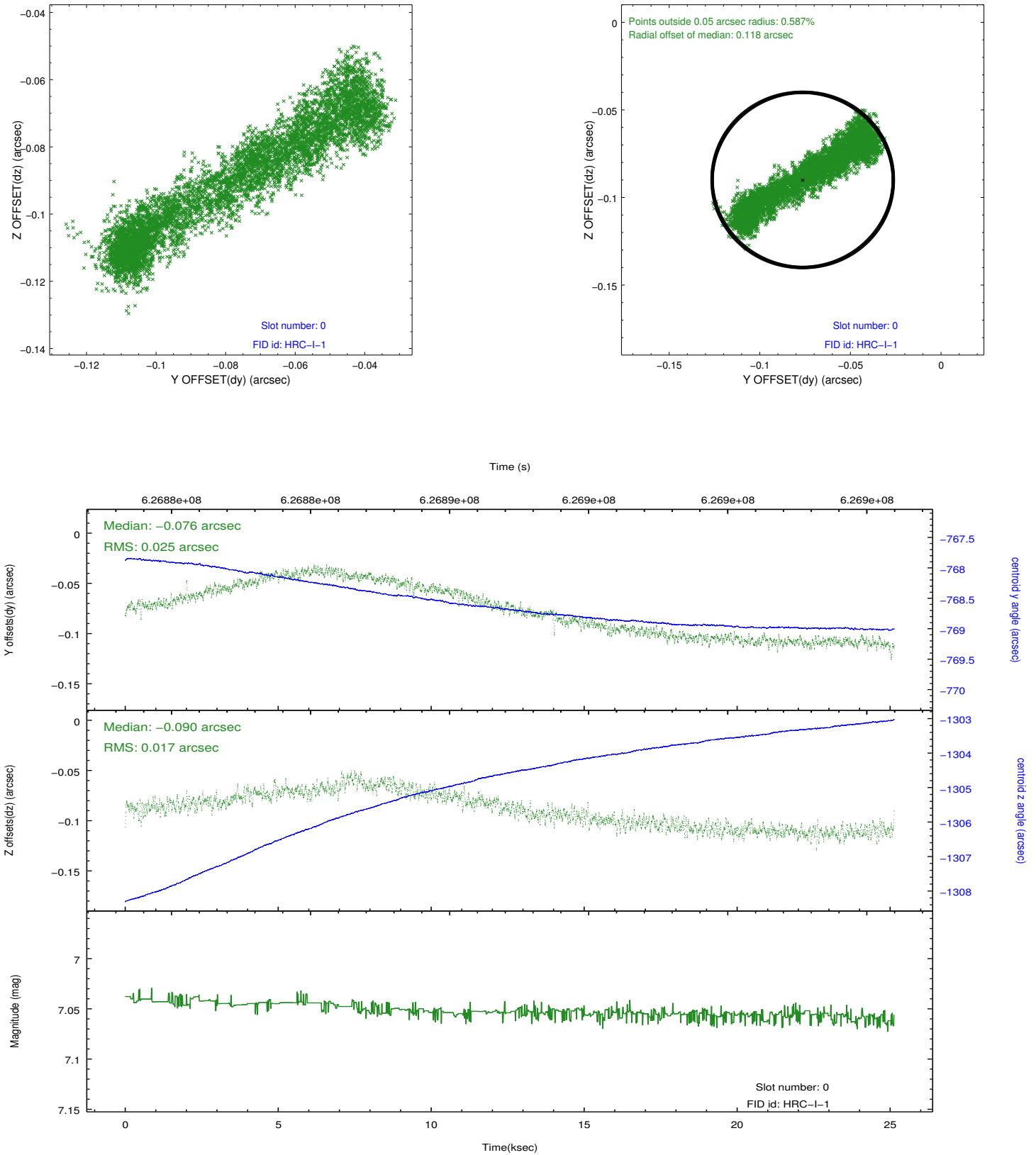


2.4.5 Slot 7

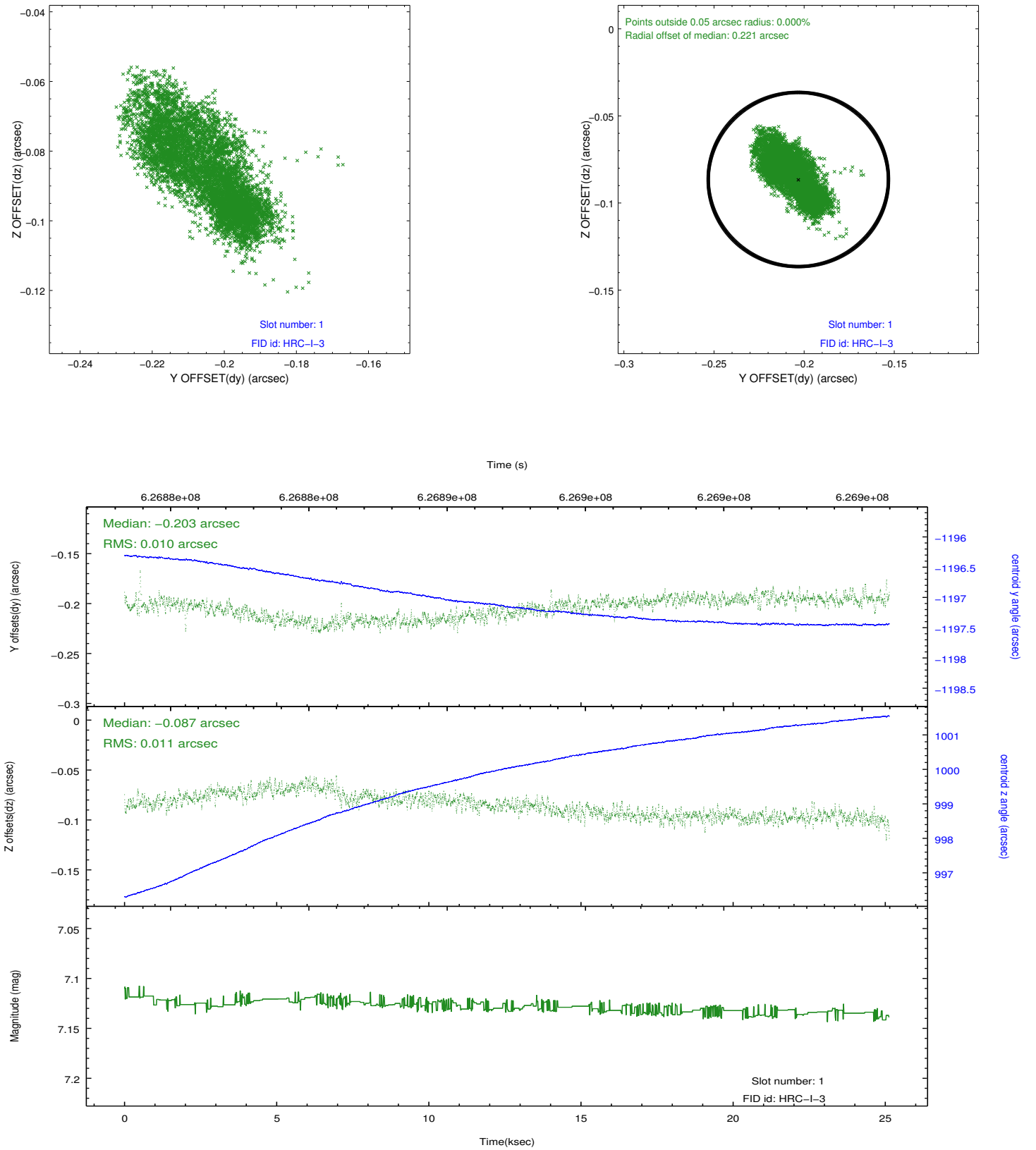


2.5 FID Slots

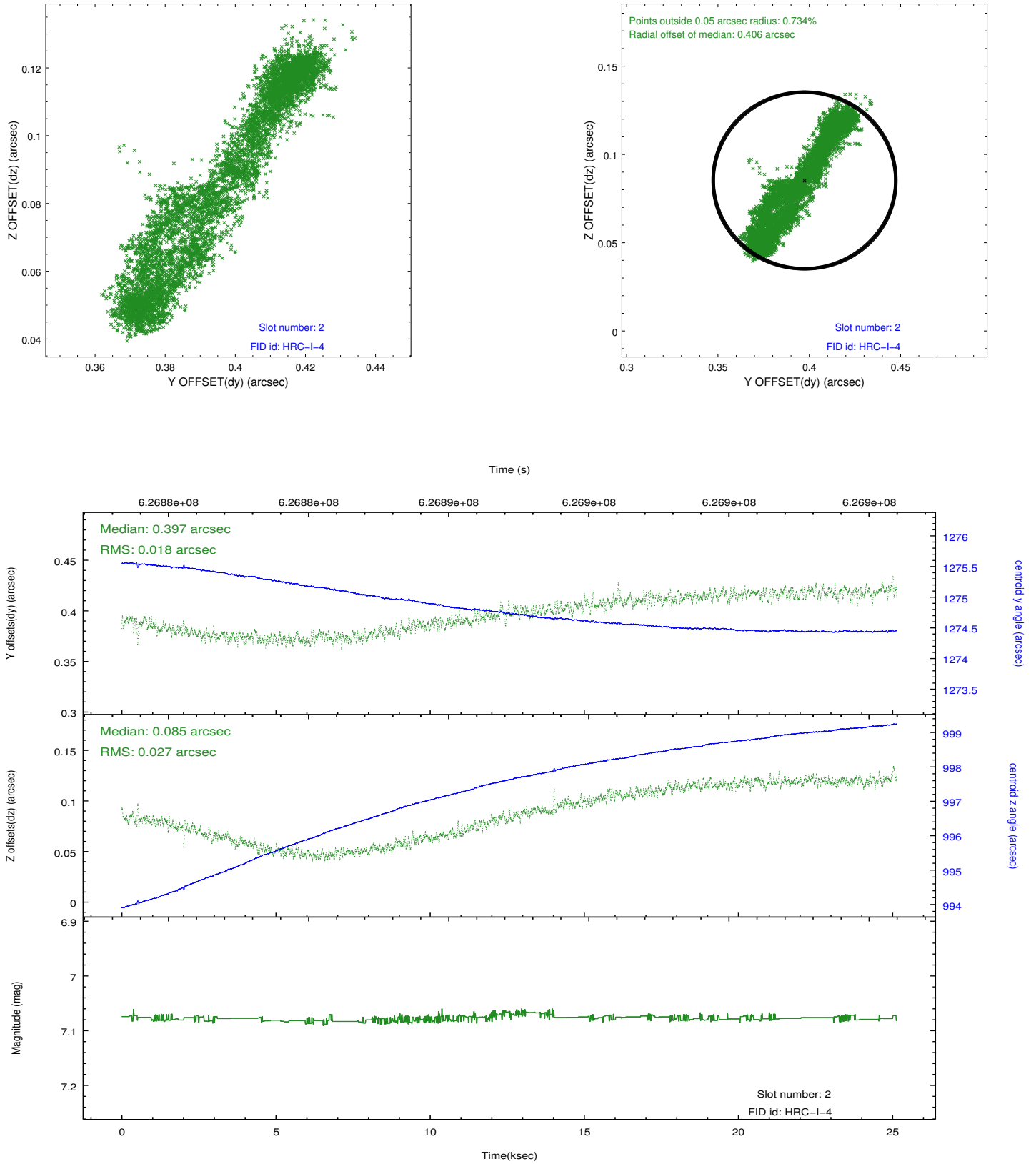
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.050232719541

A.2 Comments

This is a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the target.