

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 19789 - L2 Version 2
Chandra X-Ray Center

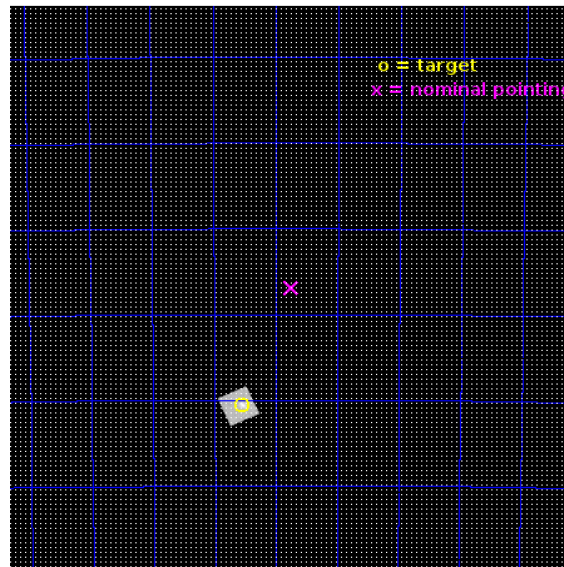
L2 Processing Date : Oct 22 2016

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1 Front

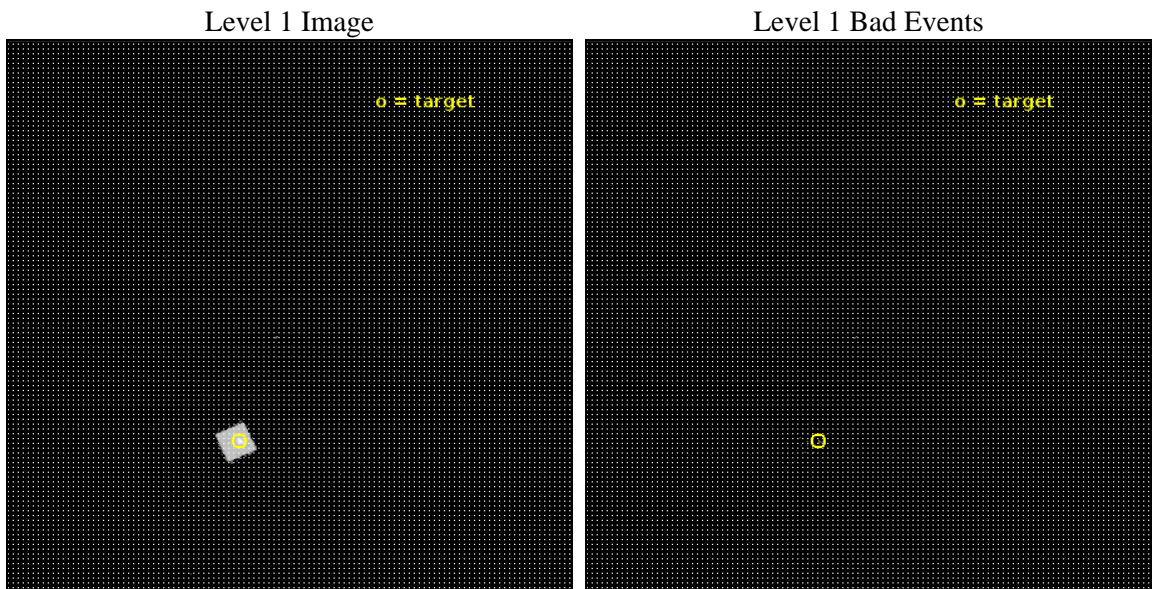
seq_num	201152	Sequence number
obs_id	19789	Observation id
title	Proxima Cen's Stellar Cycle	Proposal title
observer	Bradford Wargelin	Principal investigator
object	Proxima Cen	Source name
ra_targ	217.390833	Observer's specified target RA [deg]
dec_targ	-62.675889	Observer's specified target Dec [deg]
ra_nom	217.18696877638	Nominal RA [deg]
dec_nom	-62.448441884668	Nominal Dec [deg]
roll_nom	200.75136785908	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10922.400629878	[s]
livetime	9958.6304322203	Ontime multiplied by DTCOR
l2events	16127	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	11250.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	10922.400629878	[s]
caldbver	4.7.2	 	l1events	19433	Number of level 1 events
date	2016-10-22T18:00:45	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

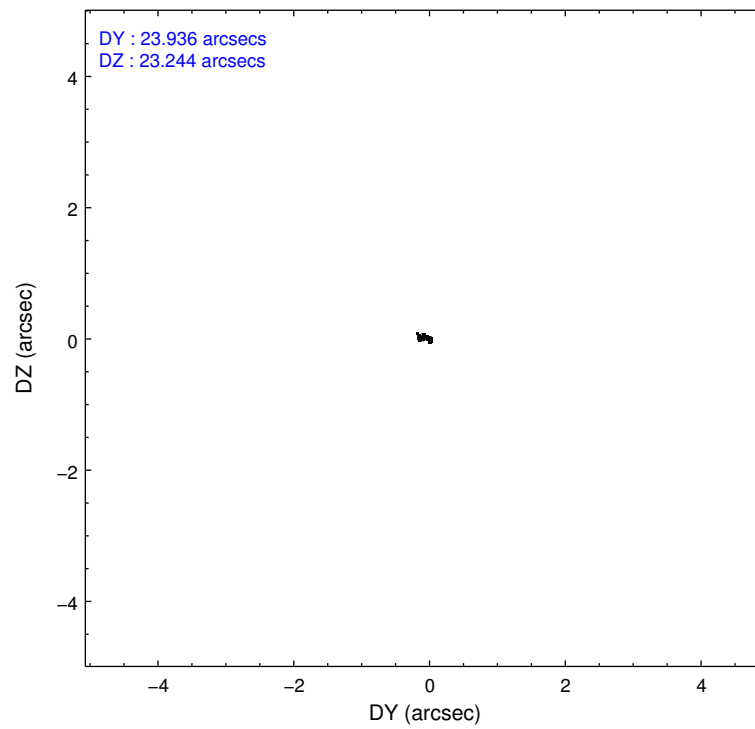
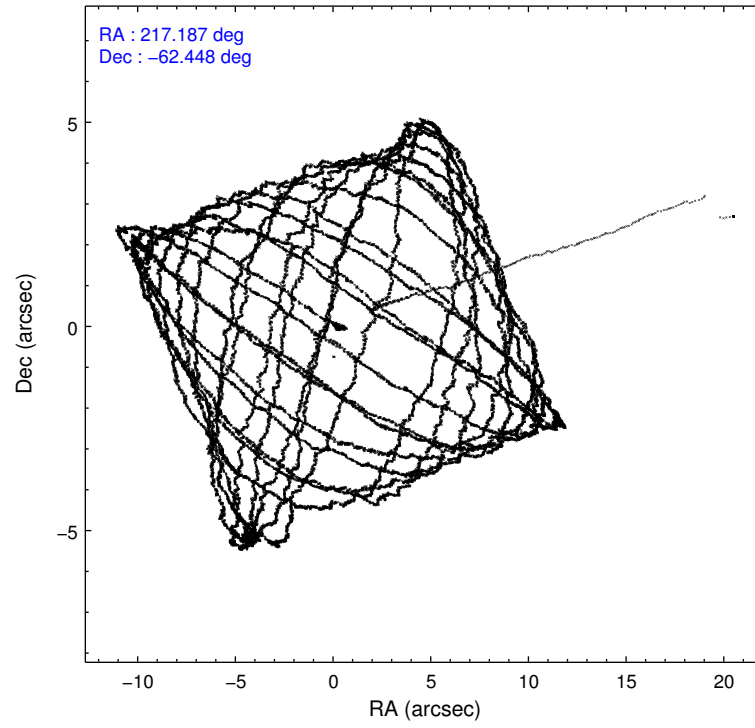
Level 1 Events

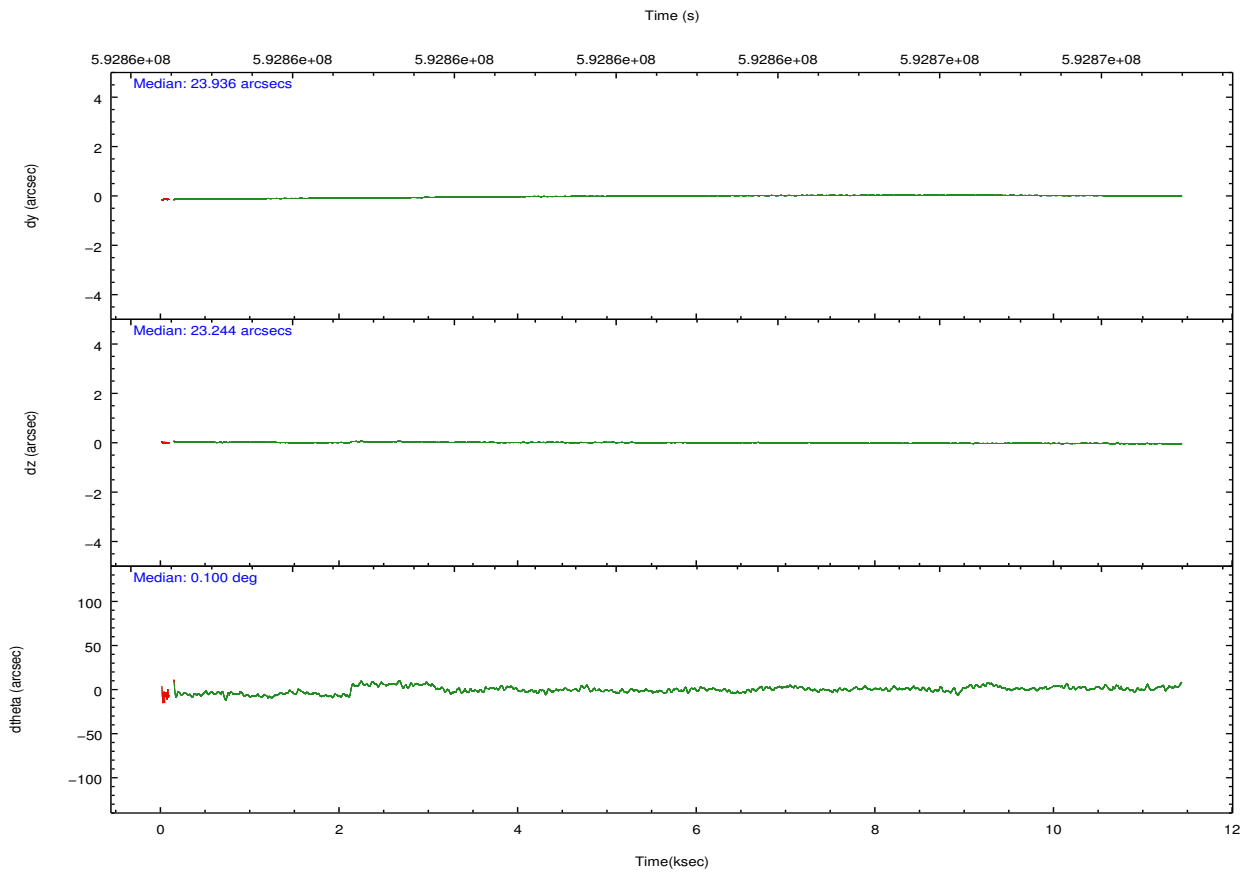
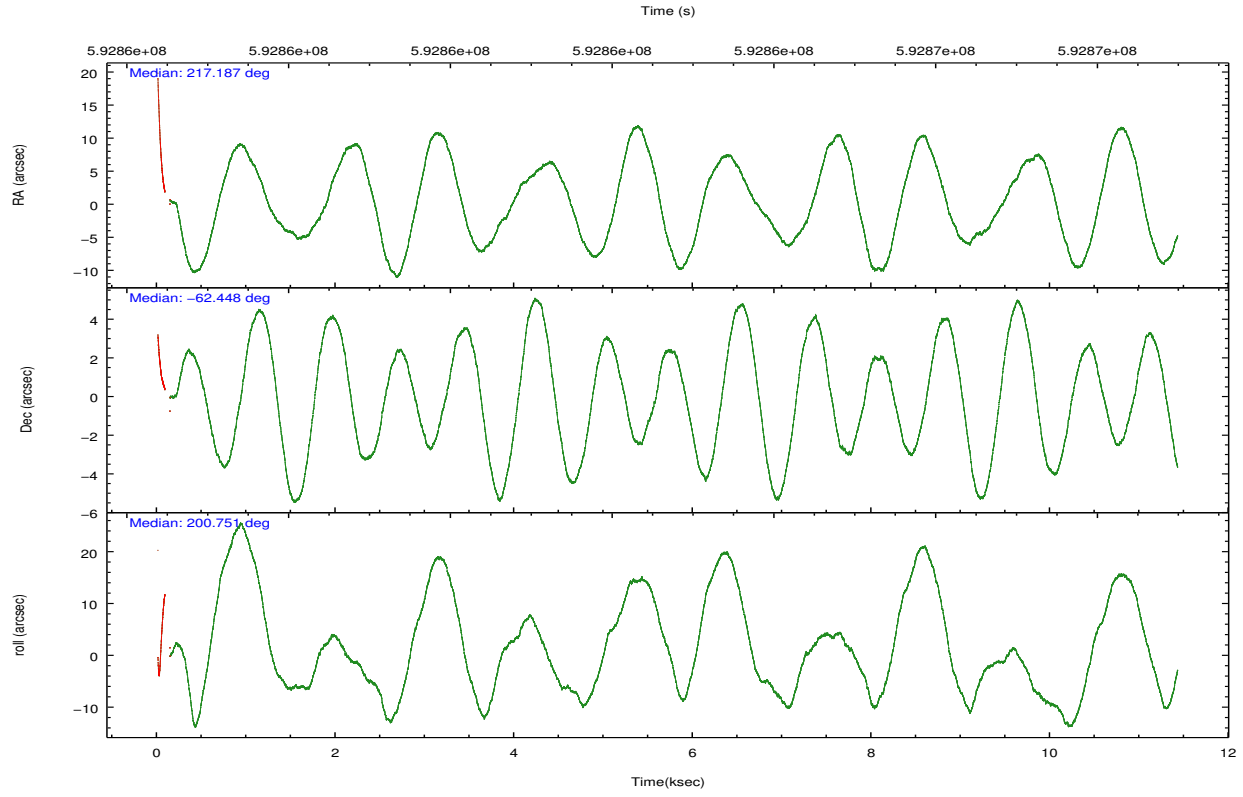
	segment 0
level 1 events	19433
rejected events	186
rejected %	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	NEXT_IN_LINE	NEXT_IN_LINE			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	217.223300	217.1869687763803			
[deg] Pointing Dec	-62.426921	-62.44844188466796			
[deg] Pointing Roll	200.879112	200.751367859078			
[s] Window start time (MET)	592704069.184000	592704069.184000			
[s] Window stop time (MET)	593308867.184000	593308867.184000			
[mm] SIM focus pos	-1.038866356238299	-1.038866356238299			
[mm] SIM defocus	0.00142623211714632	0.00142623211714632			
[mm] SIM translation stage pos	51.9960404362608	51.9960404362608			
[mm] SIM translation stage offset	74.989453869027	74.989453869027			
[s] Observation start time (MET)	592855688.184	592855688.184			
Observation start date	2016-10-14T18:08:08	2016-10-14T18:08:08			
[s] Observation end time (MET)	592868398.736	592868398.7359999			
Observation end date	2016-10-14T21:39:58	2016-10-14T21:39:58			

2.3 Aspect



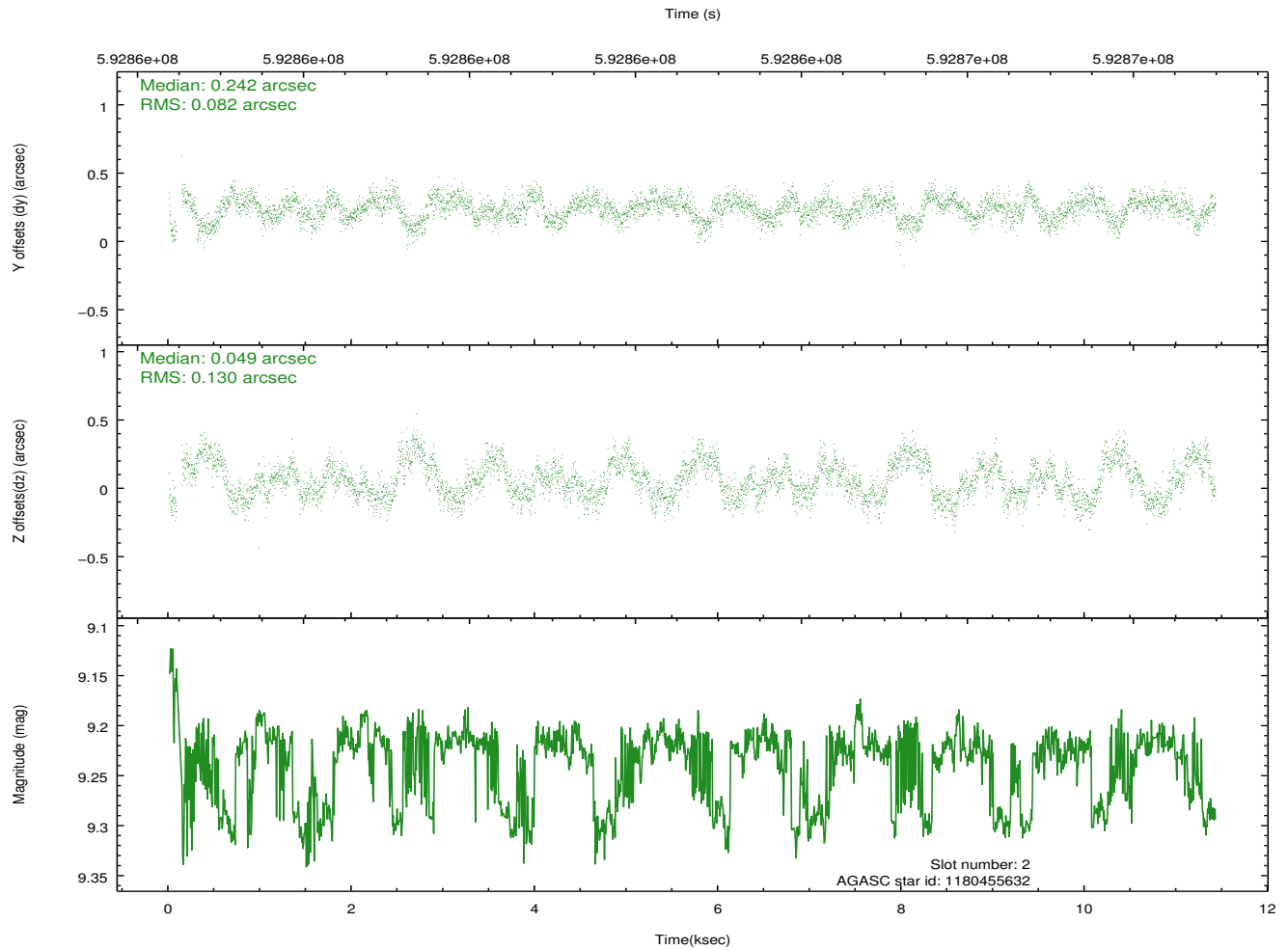
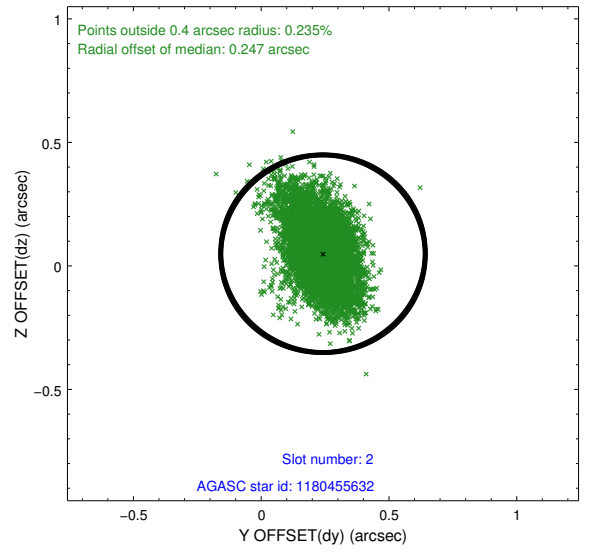
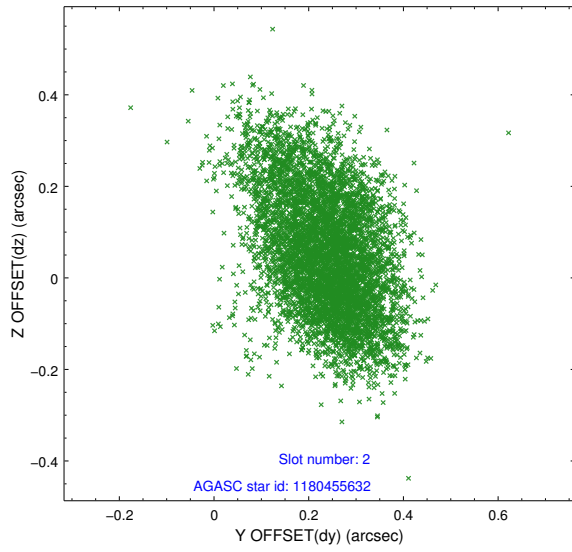


Slot Statistics

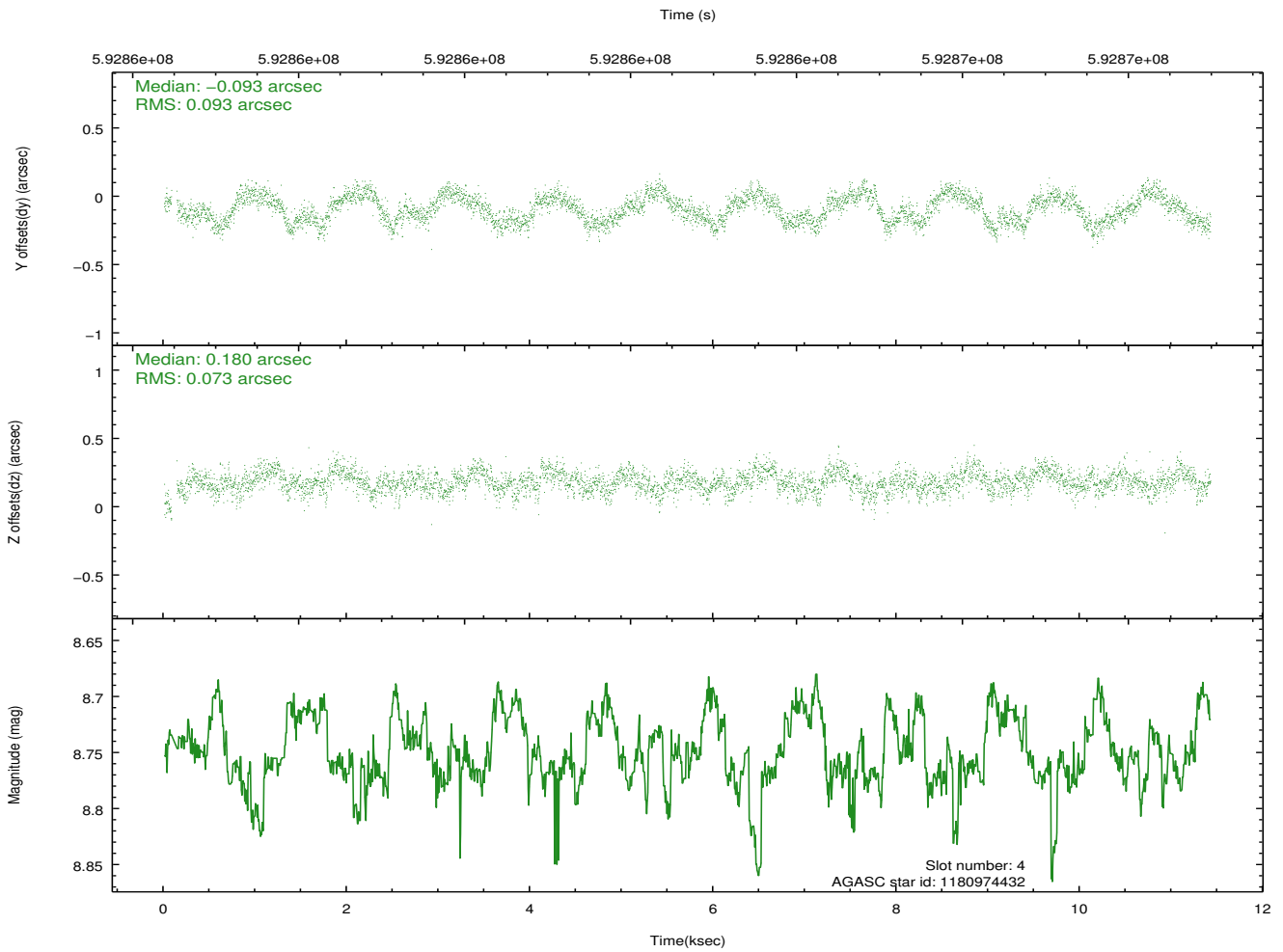
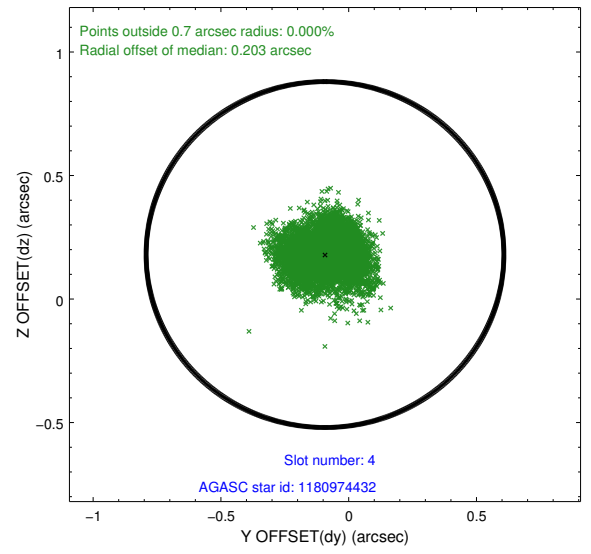
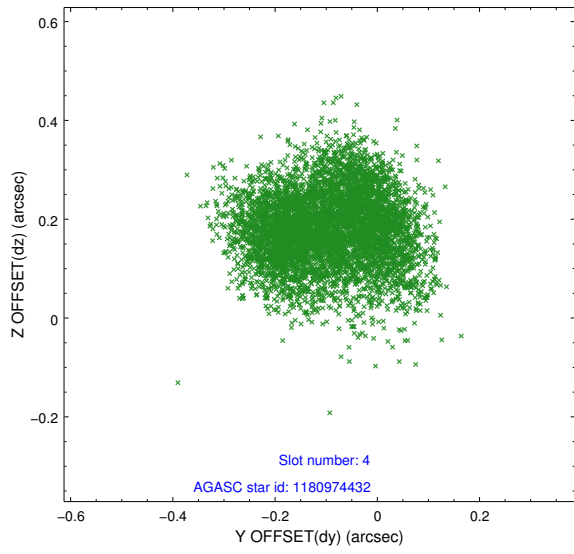
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.88	2773	-0.772	-0.029	0.005	0.010	0.000000	0.000000	-778.77	226.31
1	FID		HRC-I-2	7.03	2773	0.851	-0.025	0.005	0.010	0.000000	0.000000	832.12	227.38
2	GUIDE	used	1180455632	9.23	5538	0.242	0.049	0.161	0.274	216.870997	-61.855112	-173.06	-2134.56
3	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
4	GUIDE	used	1180974432	8.75	5543	-0.093	0.180	0.130	0.193	217.803607	-62.540366	-752.32	729.18
5	GUIDE	used	1180977136	9.09	5537	0.112	0.011	0.130	0.215	217.148159	-62.209003	-160.80	-777.25
6	GUIDE	used	1180985824	8.76	5540	-0.237	-0.265	0.204	0.305	216.565550	-62.139830	668.30	-1354.61
7	MONITOR	unused		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

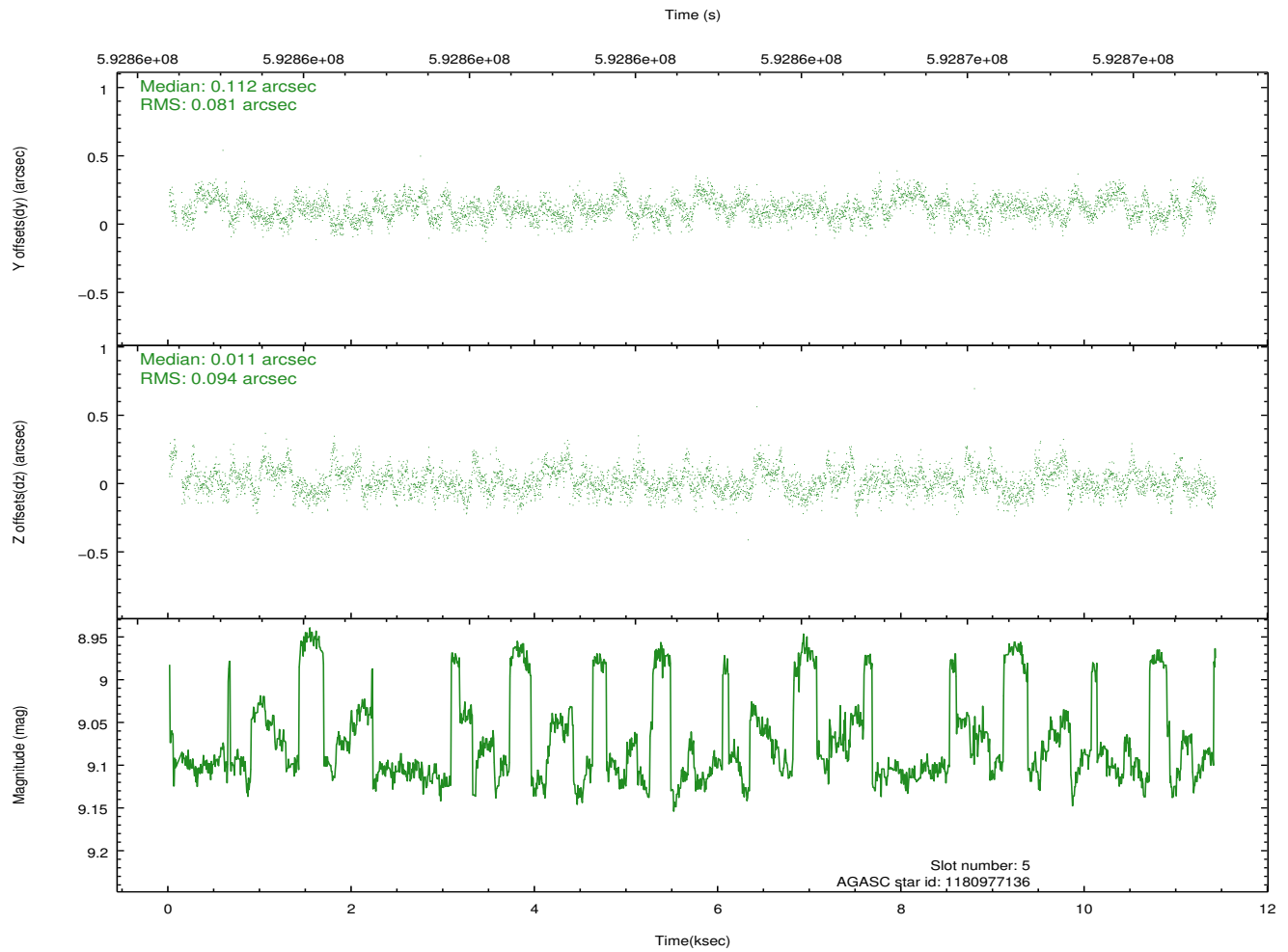
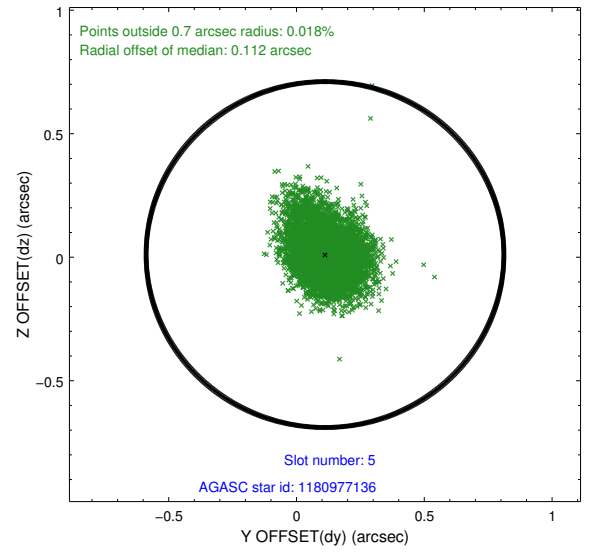
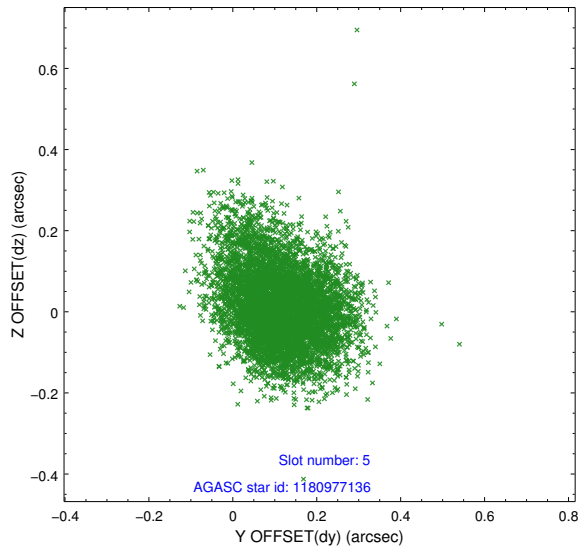
2.4.1 Slot 2



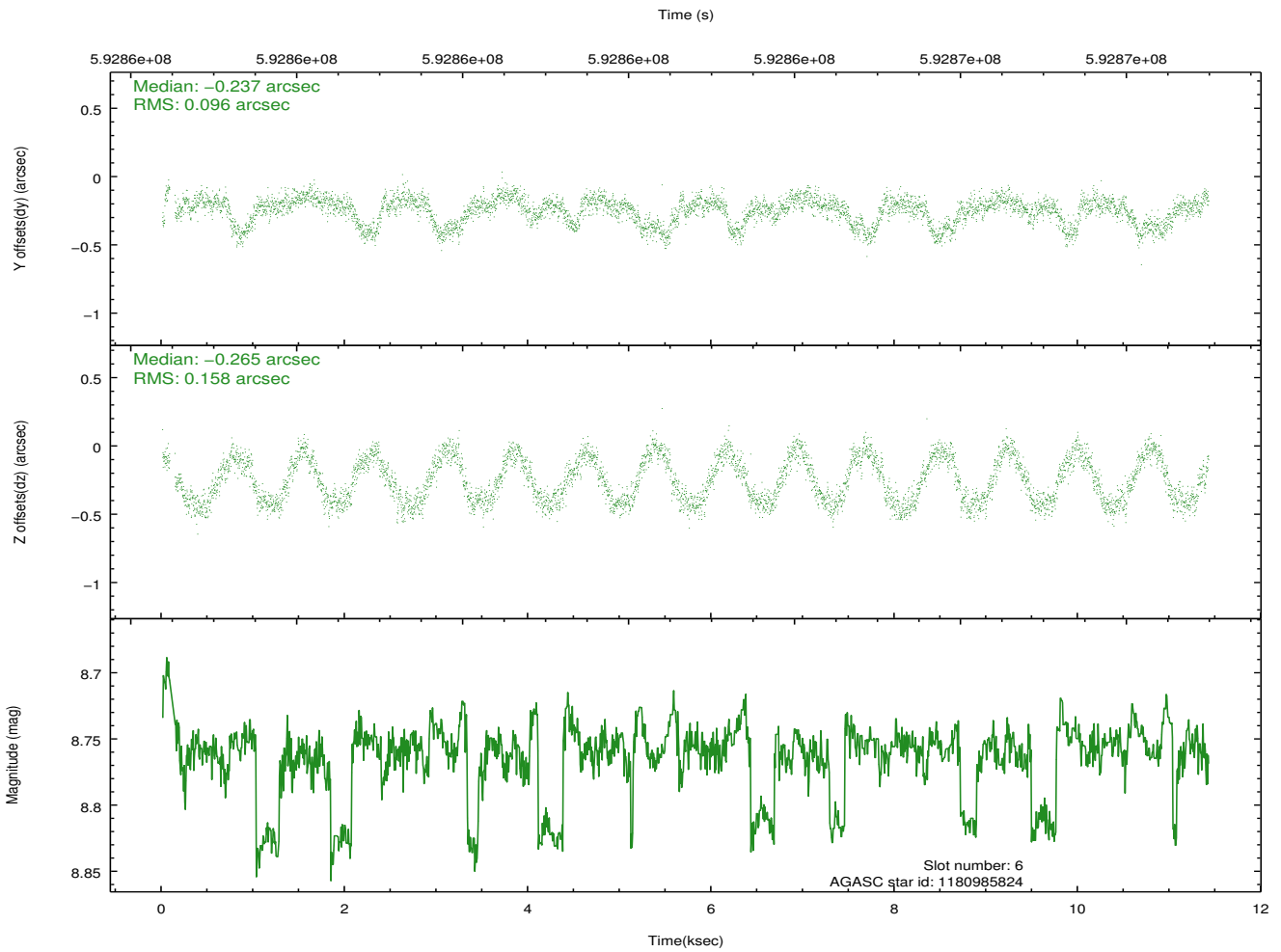
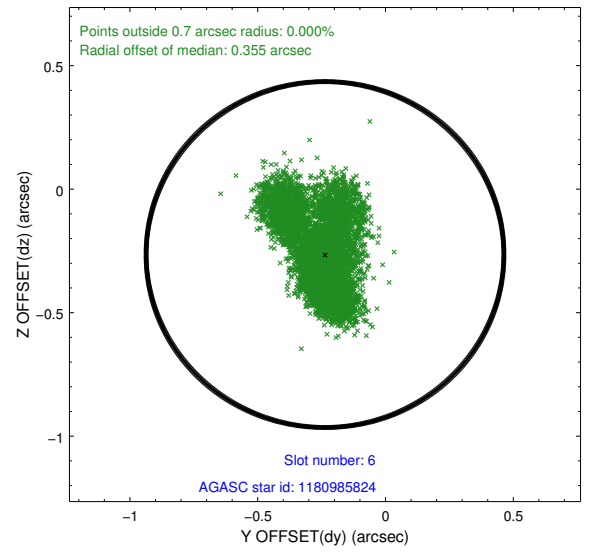
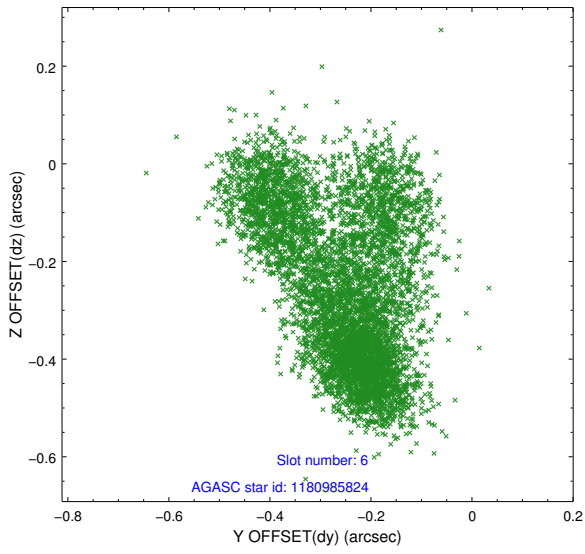
2.4.2 Slot 4



2.4.3 Slot 5

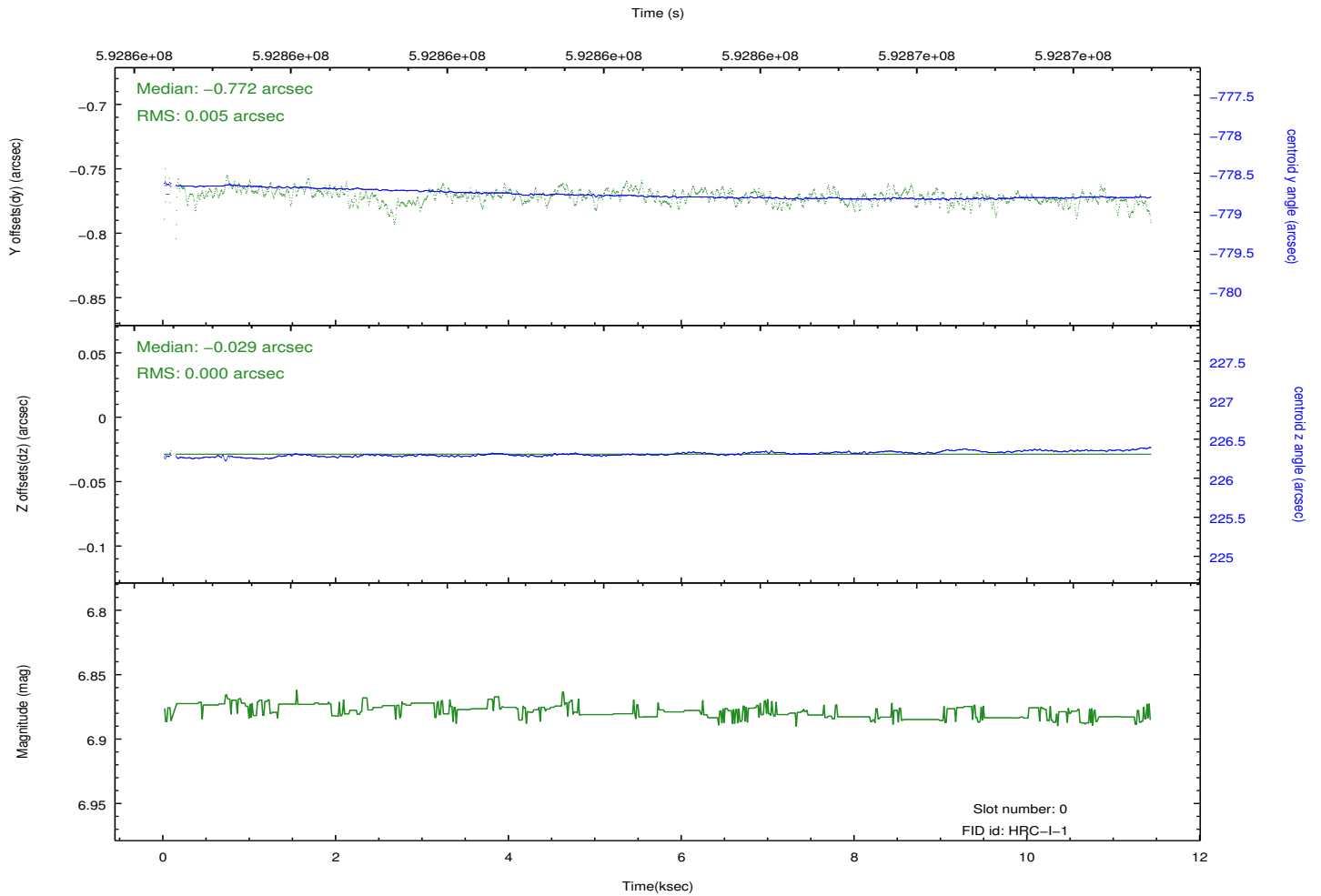
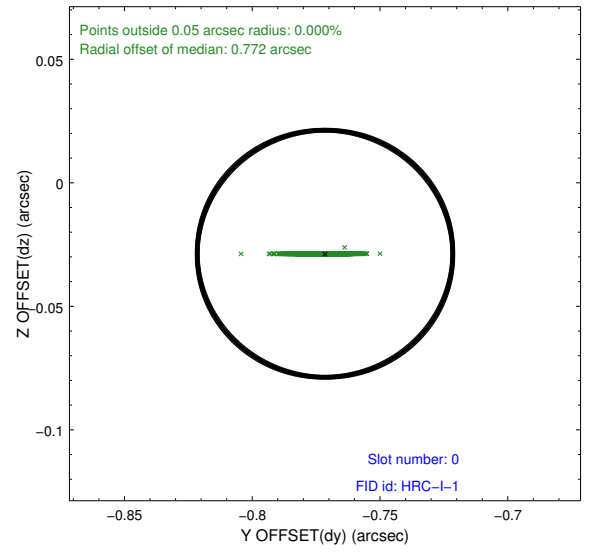
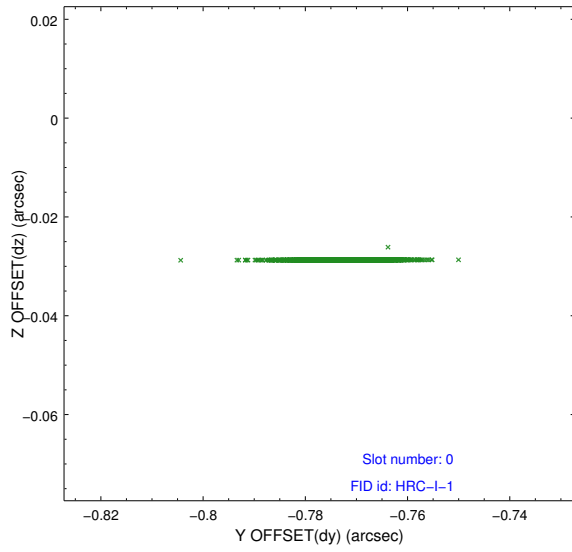


2.4.4 Slot 6

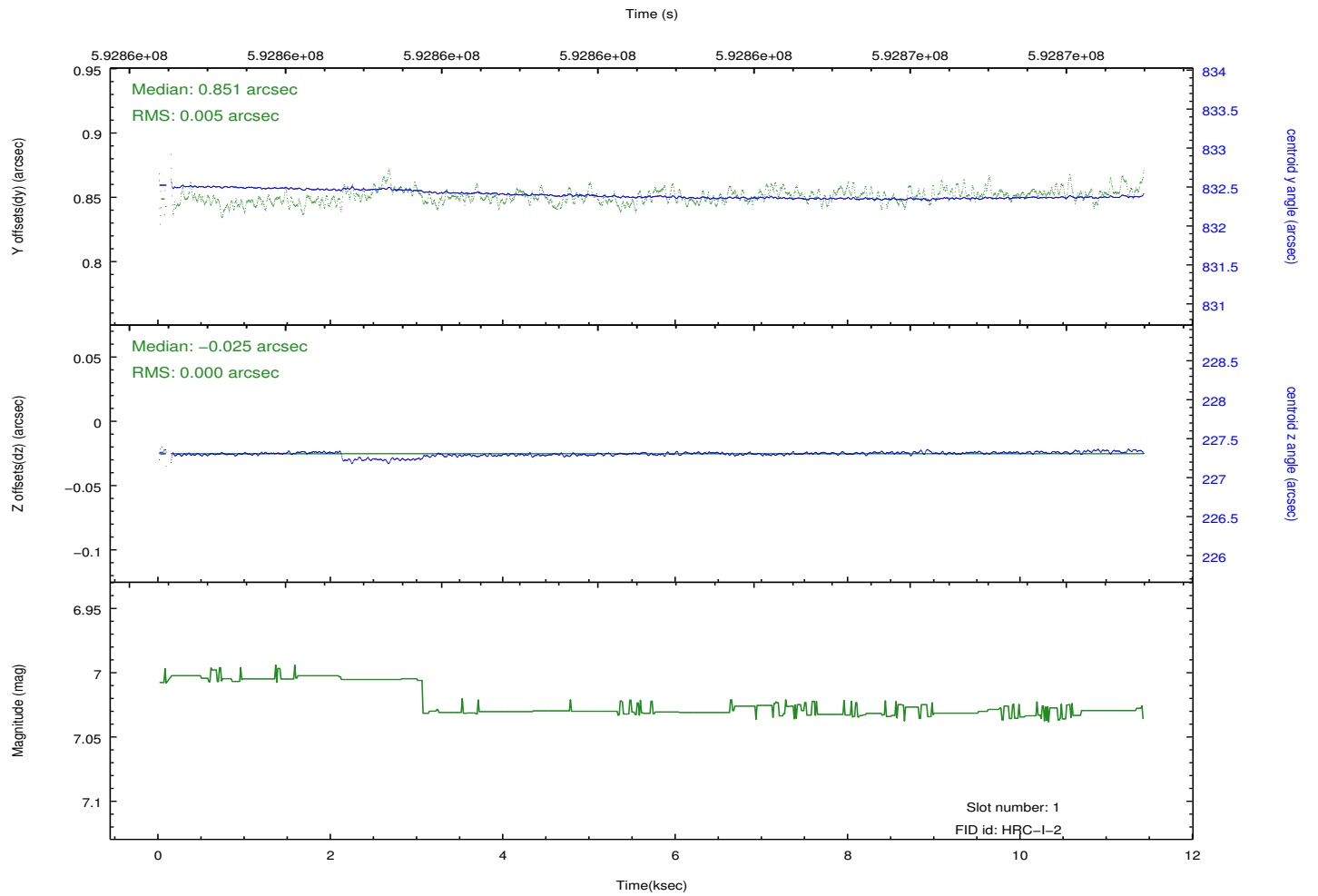
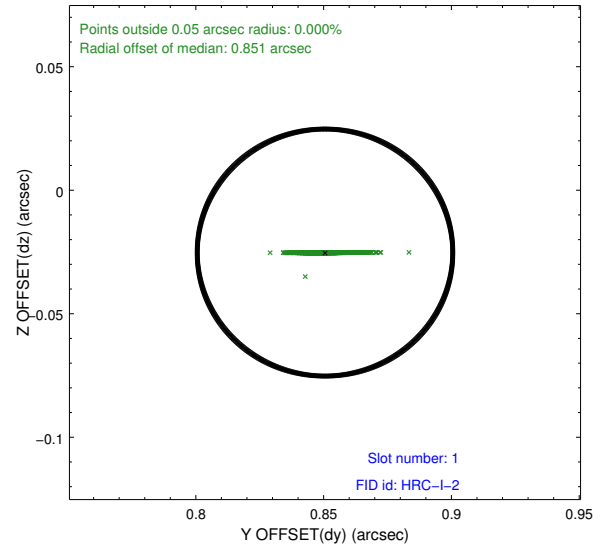
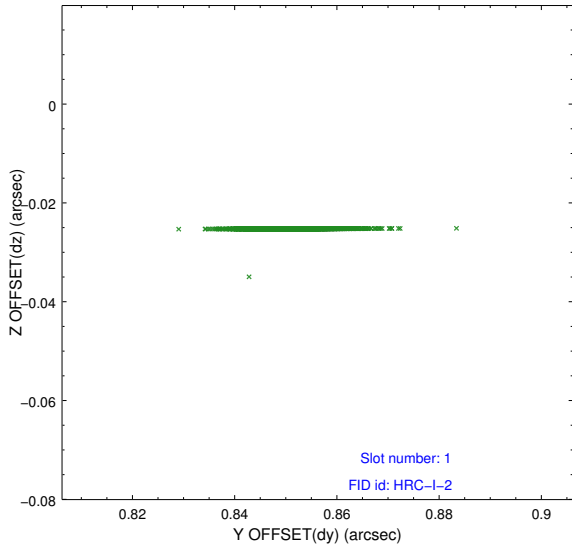


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.10.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.922400629878

A.2 Comments

Window preference met.

The guide star in slot 3 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this star from the solution.