

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 18912 - L2 Version 2
Chandra X-Ray Center

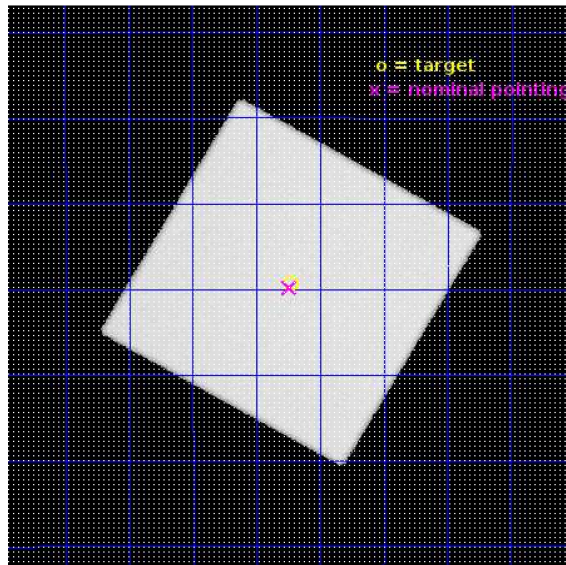
L2 Processing Date : Apr 25 2017

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1 Front

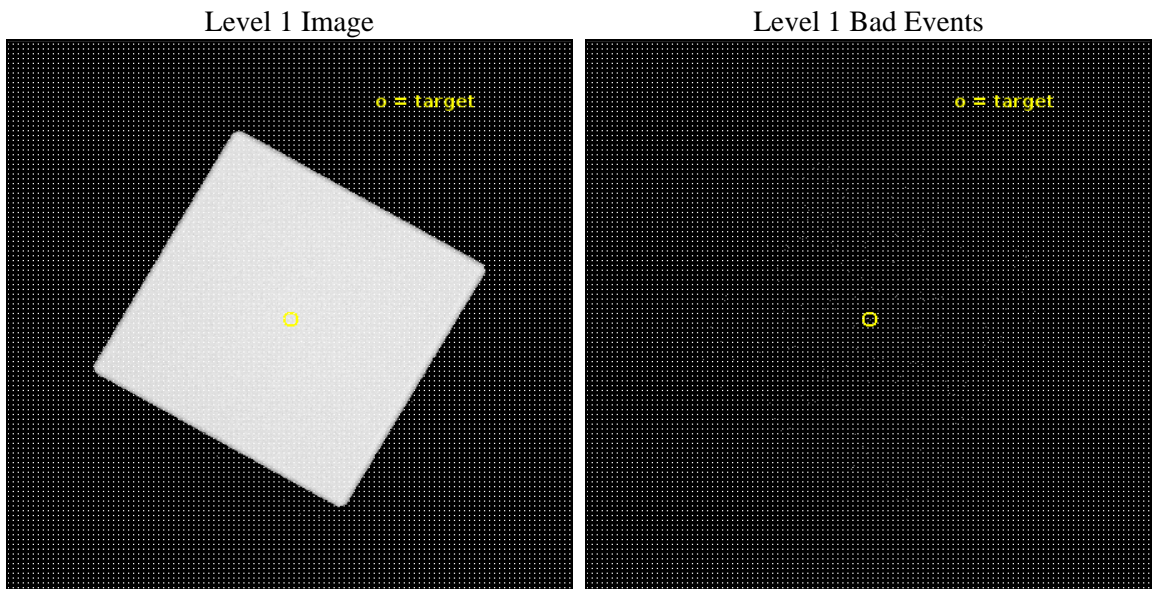
seq_num	201105	Sequence number
obs_id	18912	Observation id
title	Cracking the Conundrum of F Supergiant Coronae	Proposal title
observer	Thomas Ayres	Principal investigator
object	HD36673	Source name
ra_targ	83.1825	Observer's specified target RA [deg]
dec_targ	-17.822278	Observer's specified target Dec [deg]
ra_nom	83.185113329706	Nominal RA [deg]
dec_nom	-17.830395815461	Nominal Dec [deg]
roll_nom	254.90533015187	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20122.801169157	[s]
livetime	19046.716141616	Ontime multiplied by DTCOR
l2events	2288208	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	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	20122.801169157	[s]
caldbver	4.7.3	 	l1events	3176783	Number of level 1 events
date	2017-04-25T20:01:47	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

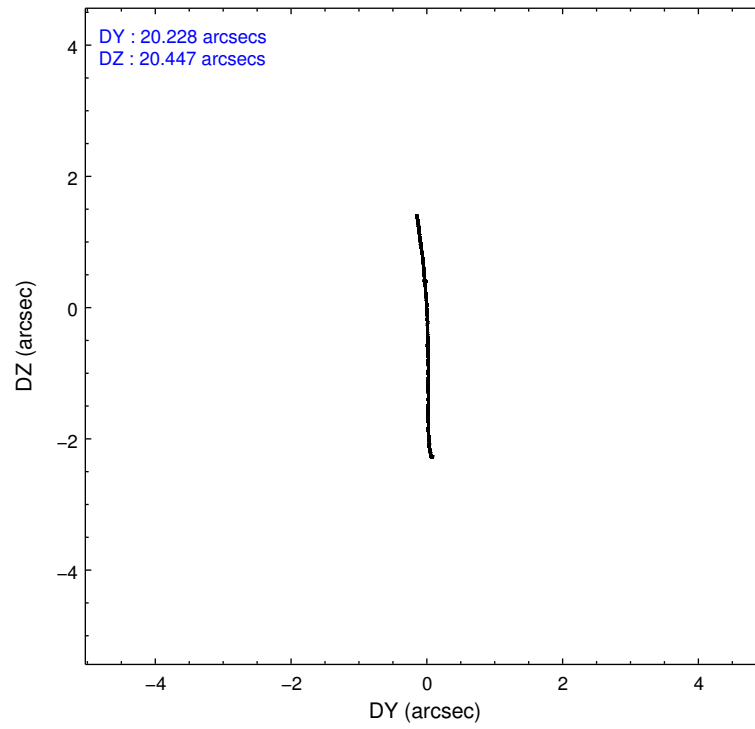
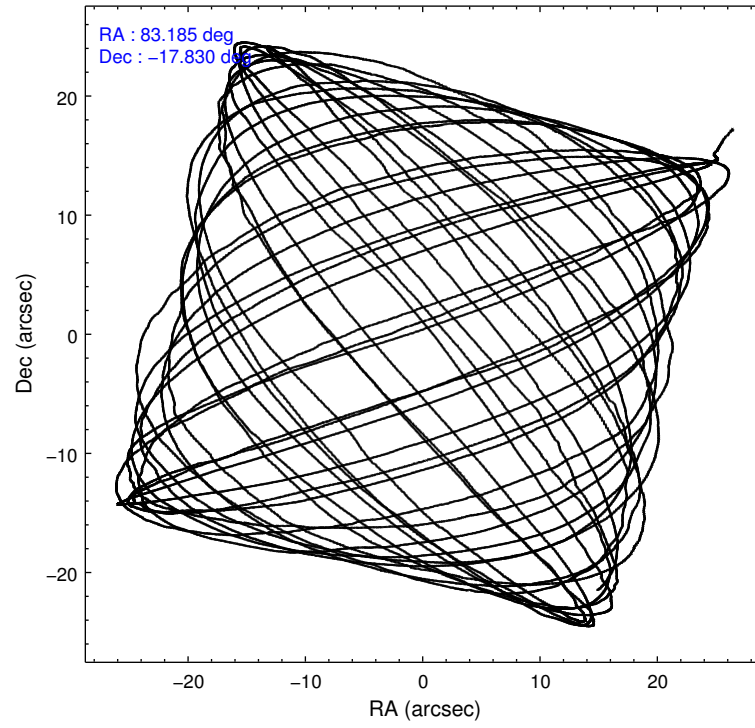
	segment 0
level 1 events	3176783
rejected events	181241
rejected %	5%

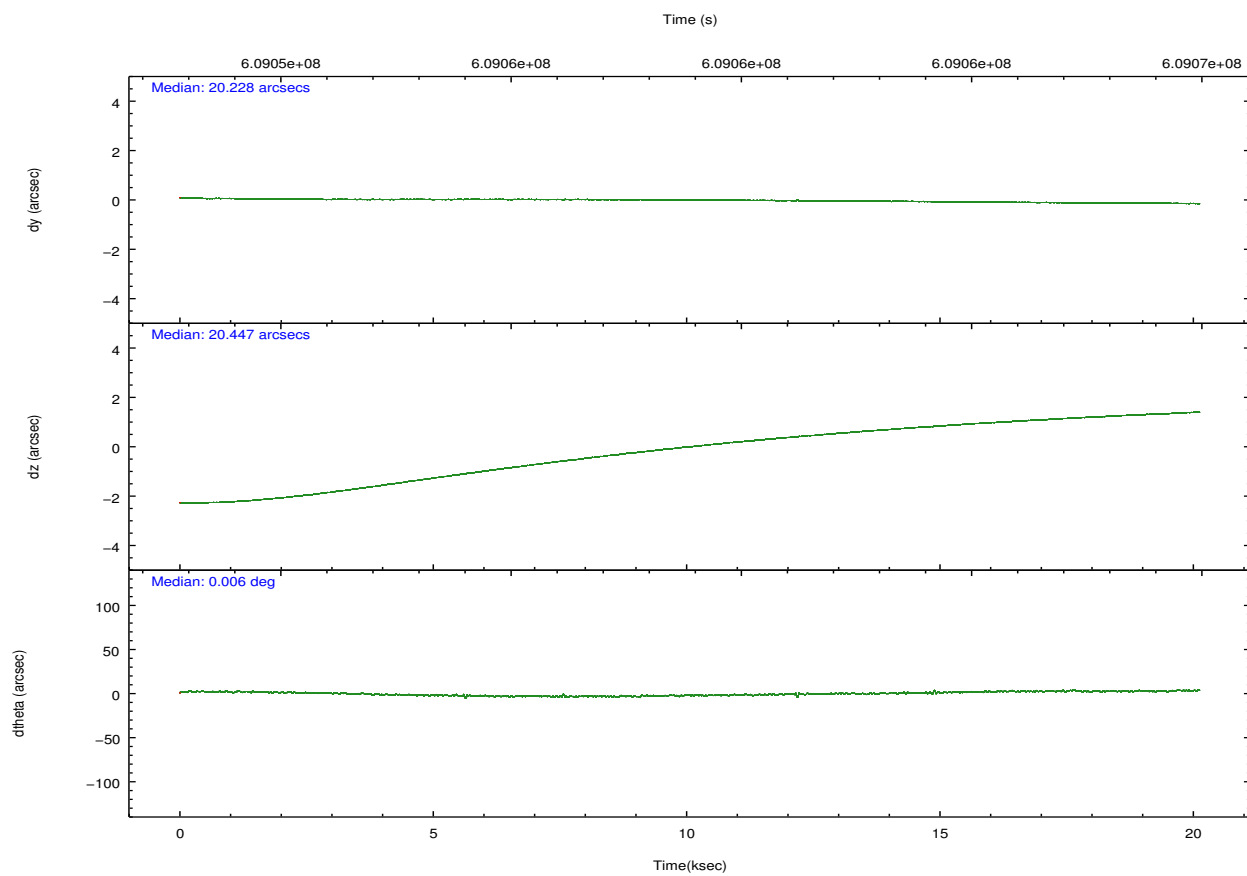
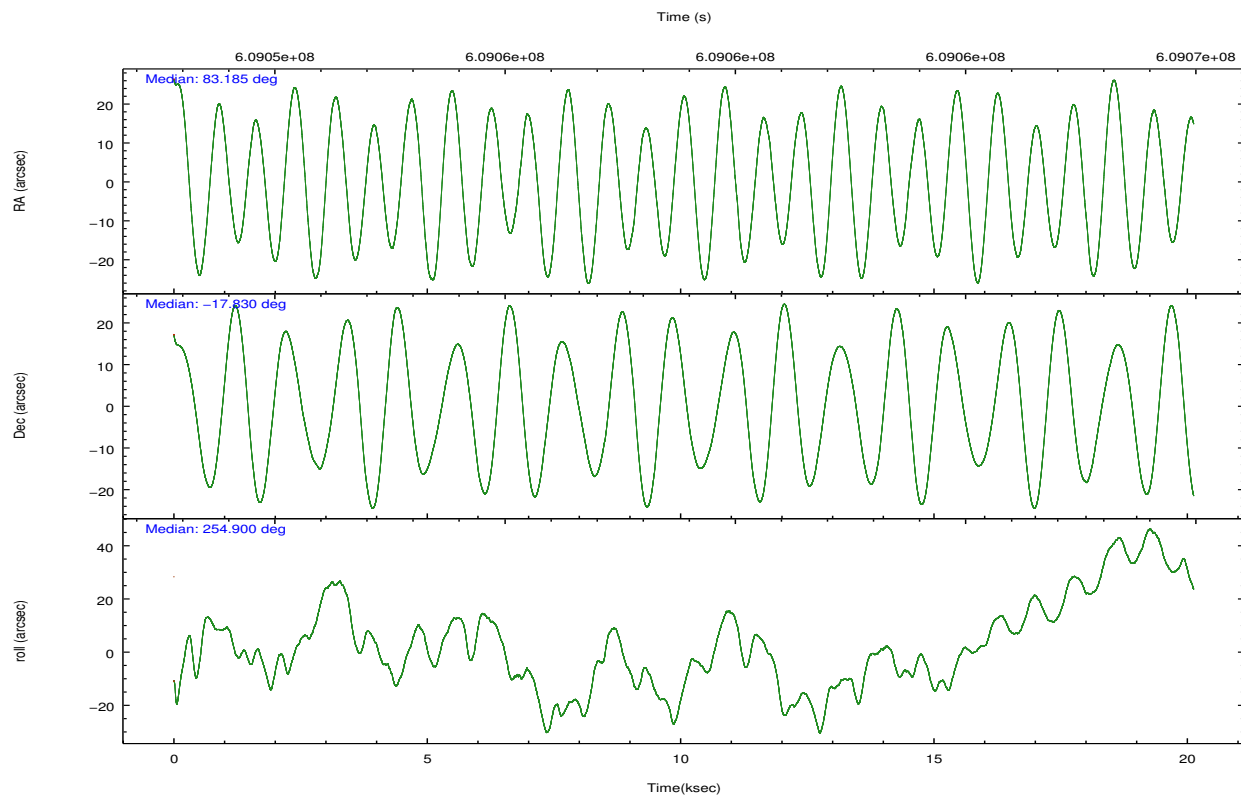
2.2 Compared Parameters

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	83.177050	83.18511332970616
[deg] Pointing Dec	-17.804217	-17.83039581546058
[deg] Pointing Roll	254.998333	254.9053301518709
[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)	609048970.184000	609047784.87269
Observation start date	2017-04-20T04:15:01	2017-04-20T03:56:24
[s] Observation end time (MET)	609068970.184000	609070174.97399
Observation end date	2017-04-20T09:48:21	2017-04-20T10:09:34

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

2.3 Aspect



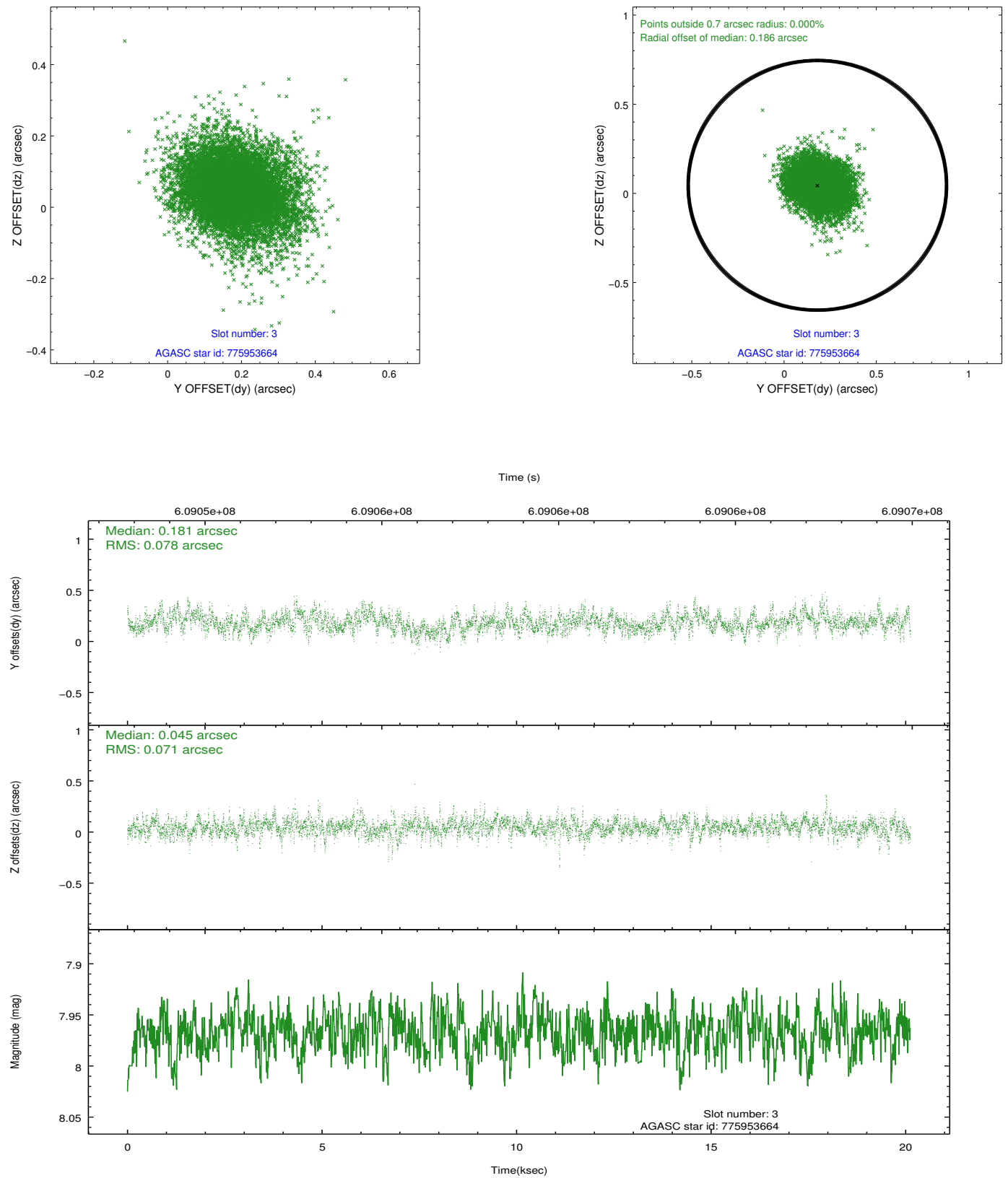


Slot Statistics

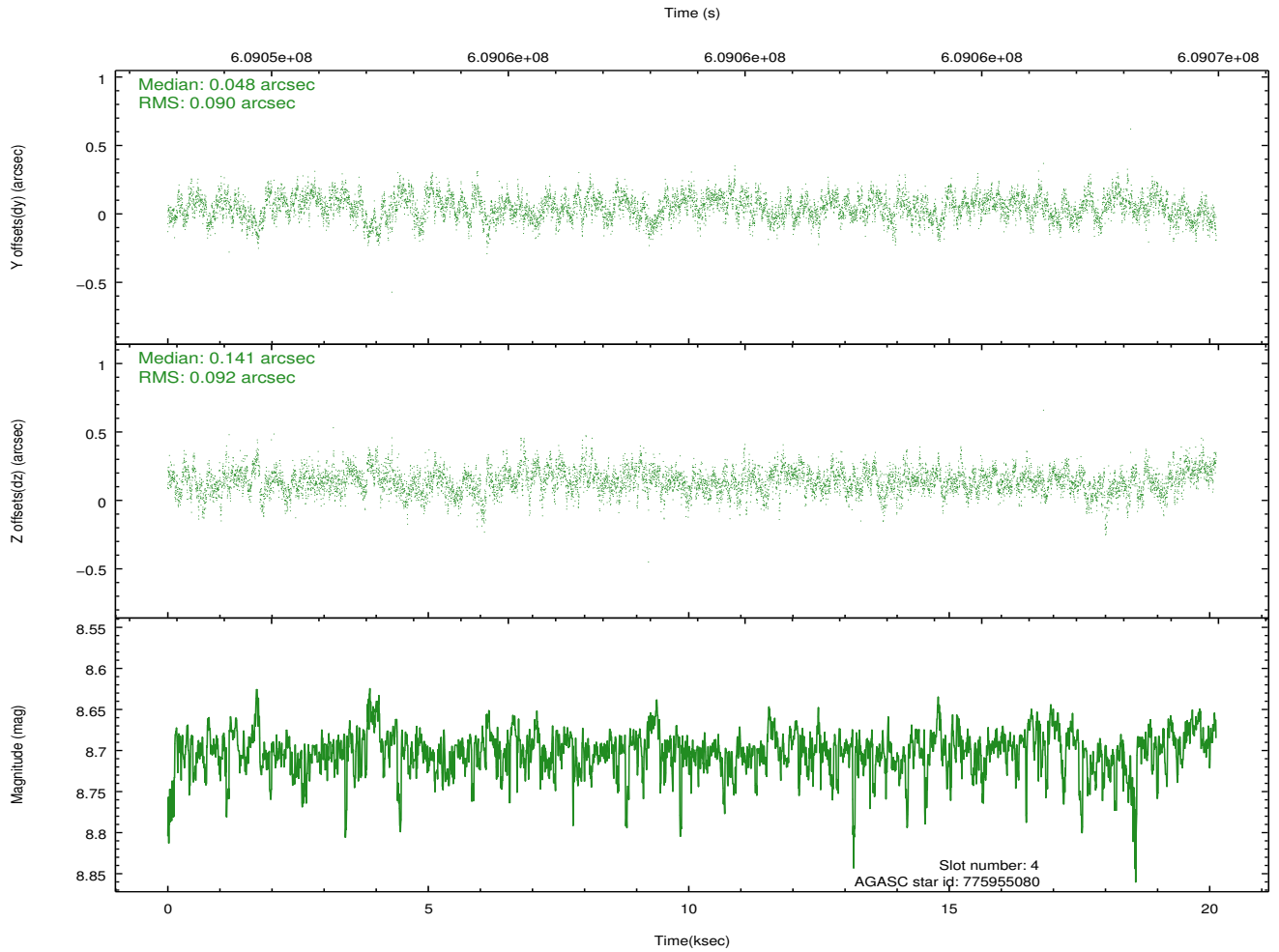
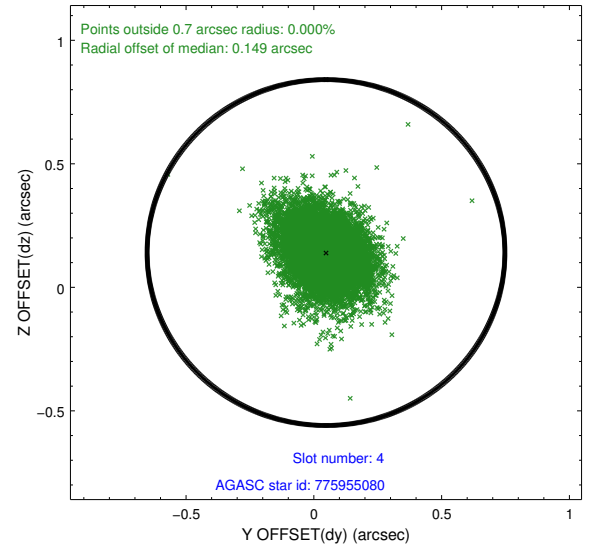
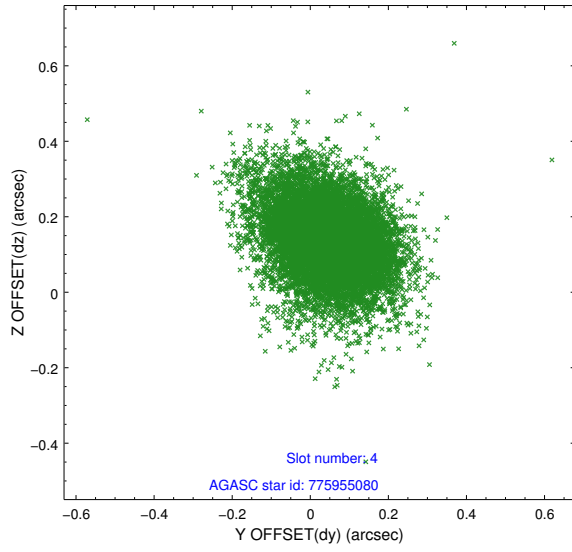
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	4909	-0.194	0.006	0.016	0.024	0.000000	0.000000	-776.28	-1308.49
1	FID		HRC-I-2	7.01	4909	0.323	-0.096	0.026	0.037	0.000000	0.000000	836.71	-1310.35
2	FID		HRC-I-3	7.07	4909	-0.011	-0.001	0.022	0.031	0.000000	0.000000	-1204.51	995.79
3	GUIDE	used	775953664	7.97	9814	0.181	0.045	0.108	0.188	83.414867	-17.785955	-273.27	770.98
4	GUIDE	used	775955080	8.70	9812	0.048	0.141	0.134	0.227	83.651042	-17.553282	-1291.54	1338.27
5	GUIDE	used	775955112	8.79	9805	-0.188	-0.071	0.115	0.191	83.888343	-17.657836	-1136.39	2221.60
6	GUIDE	used	775957136	8.14	9817	-0.043	-0.115	0.133	0.229	83.557279	-18.338544	1523.00	1753.56
7	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

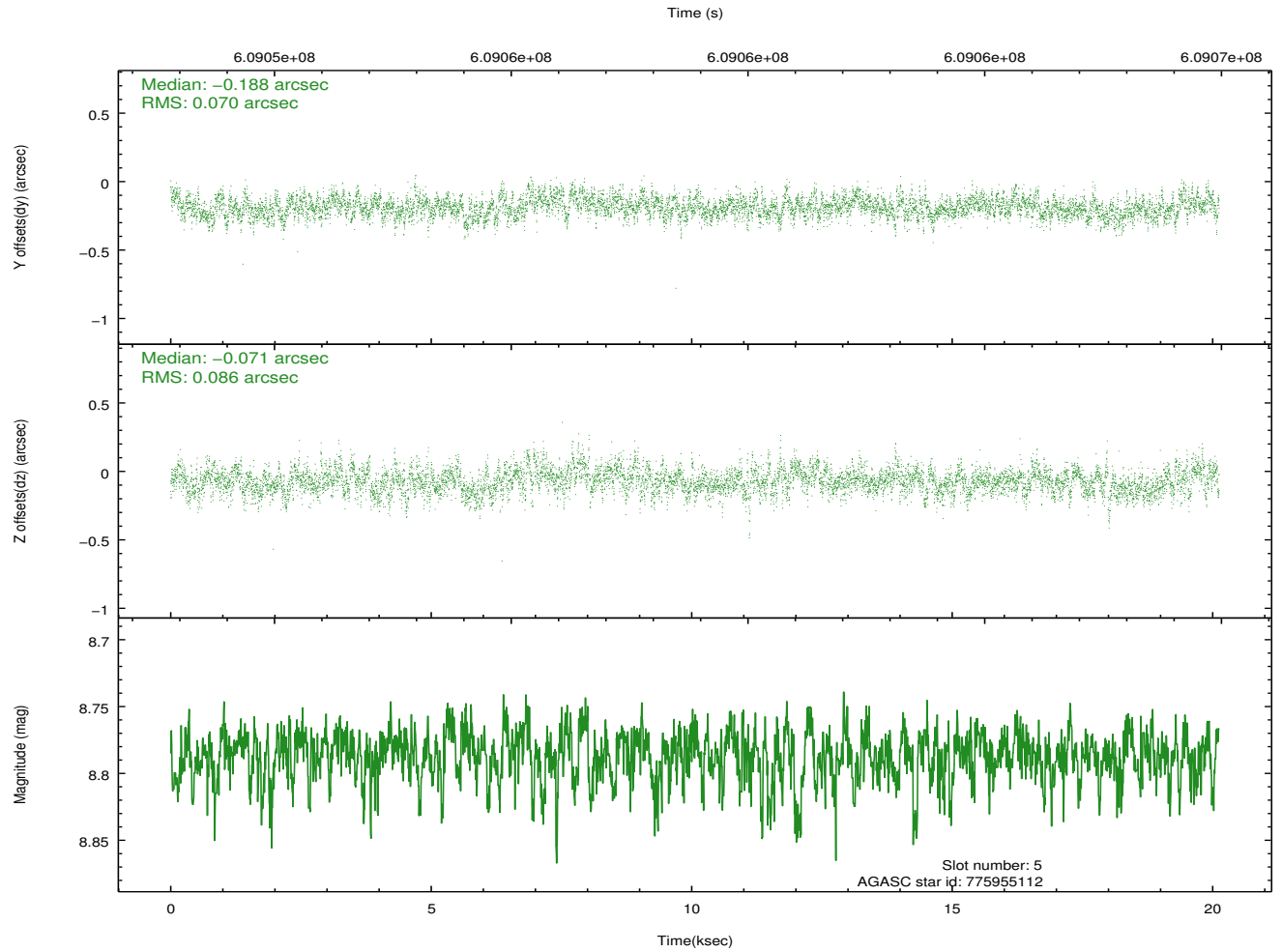
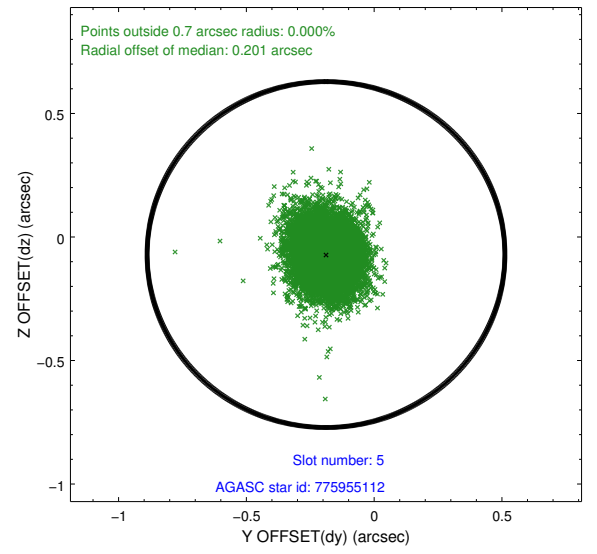
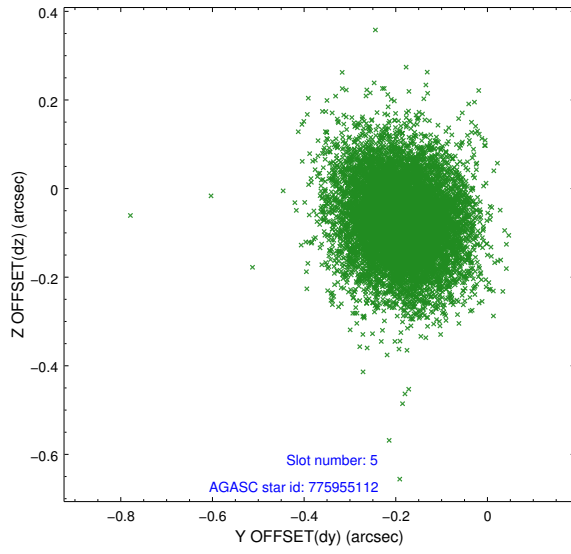
2.4.1 Slot 3



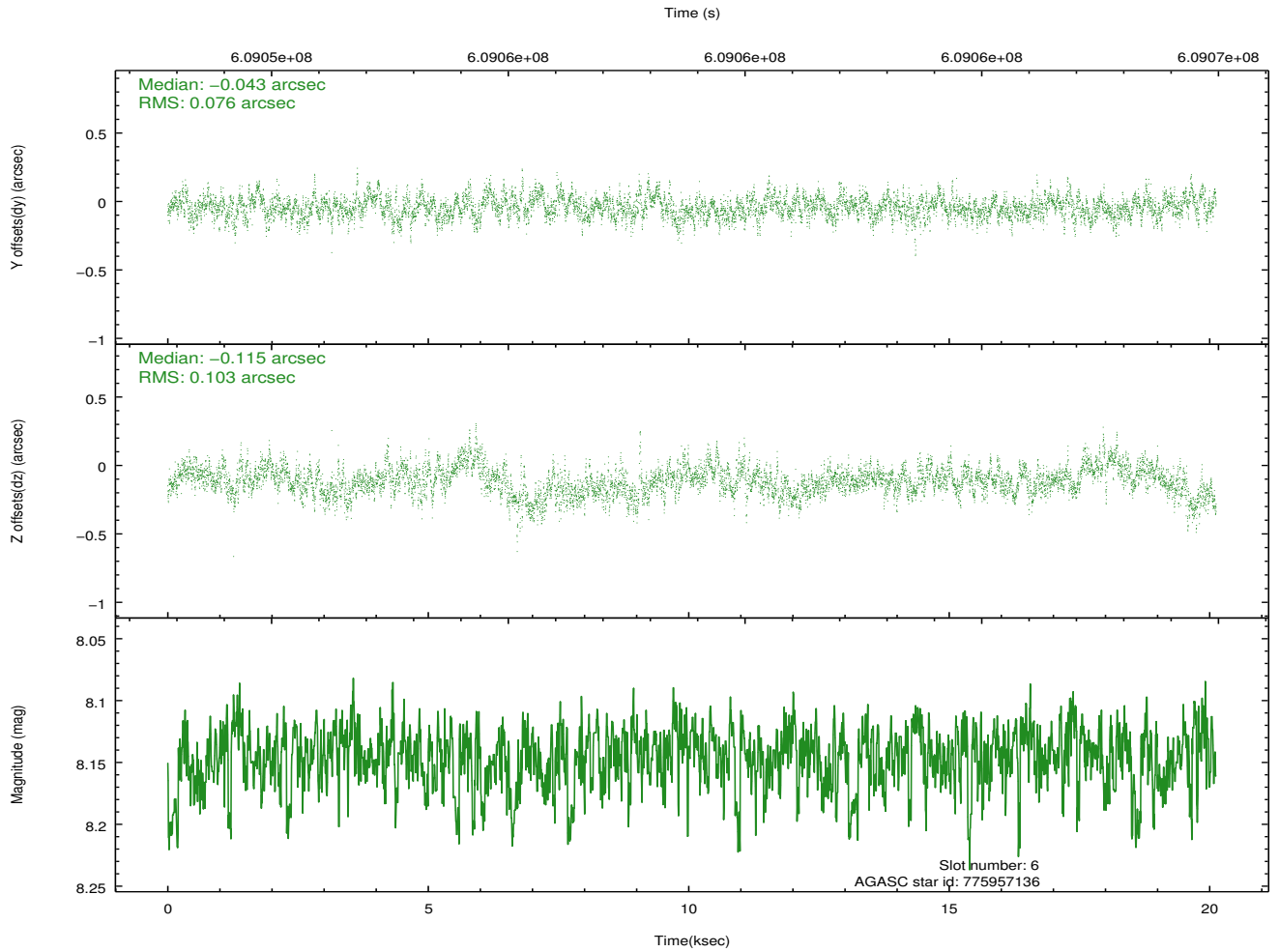
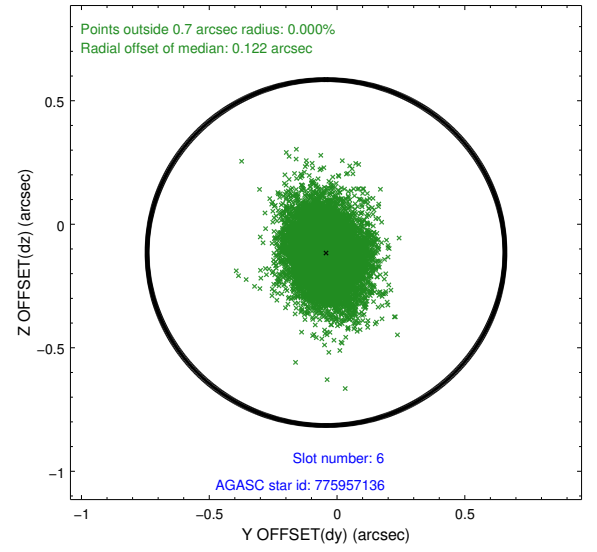
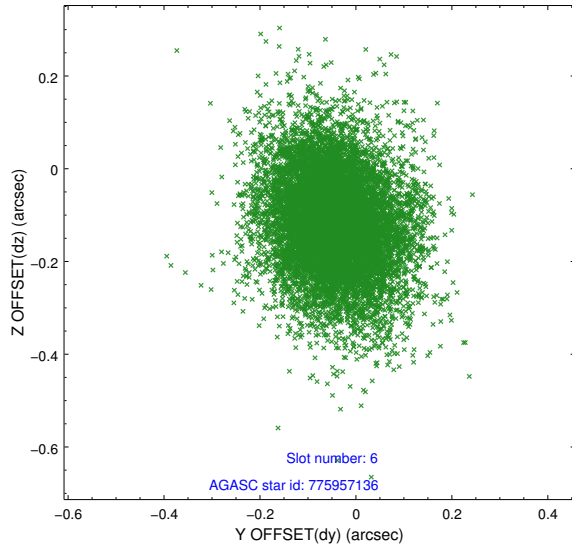
2.4.2 Slot 4



2.4.3 Slot 5

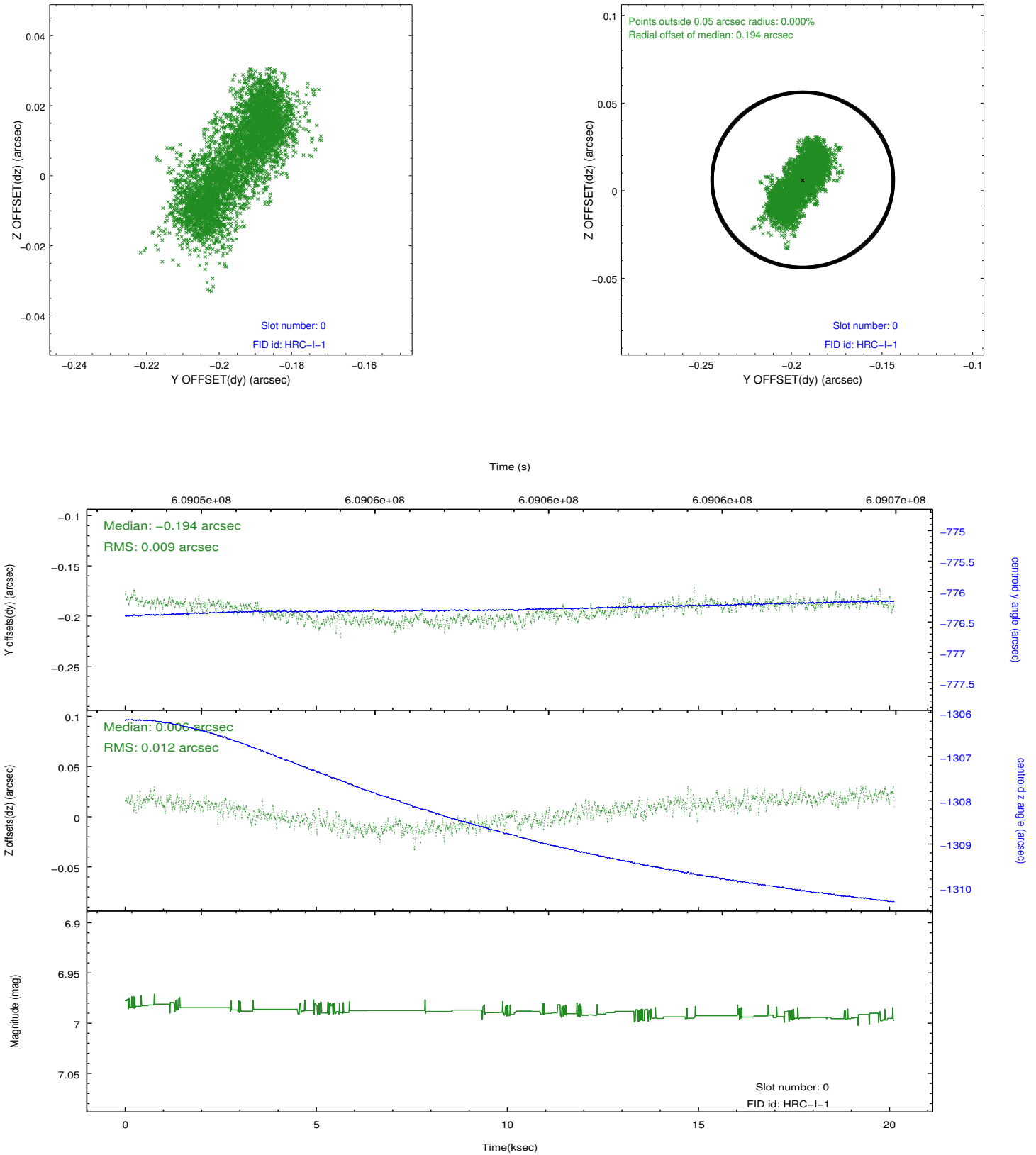


2.4.4 Slot 6

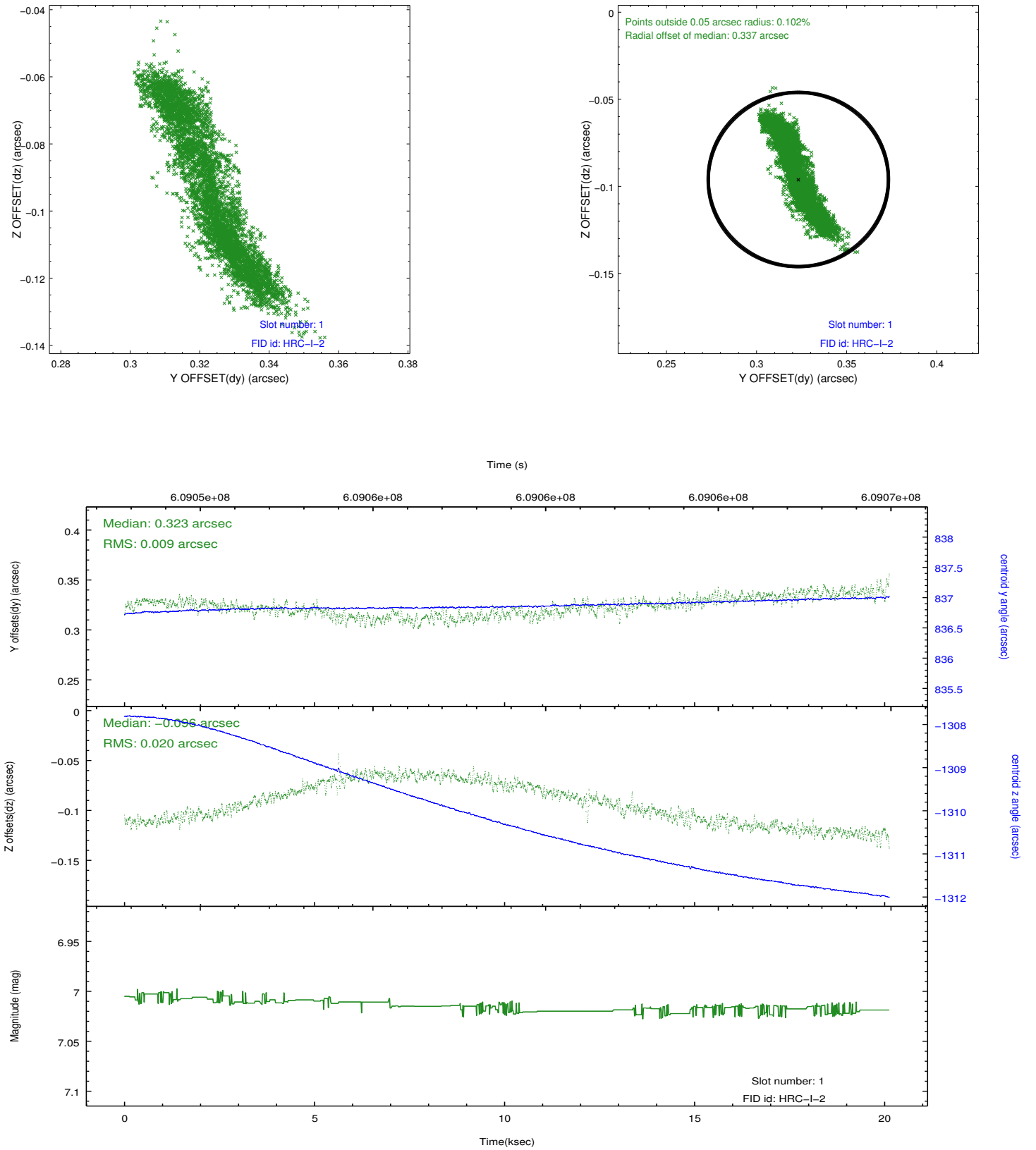


2.5 FID Slots

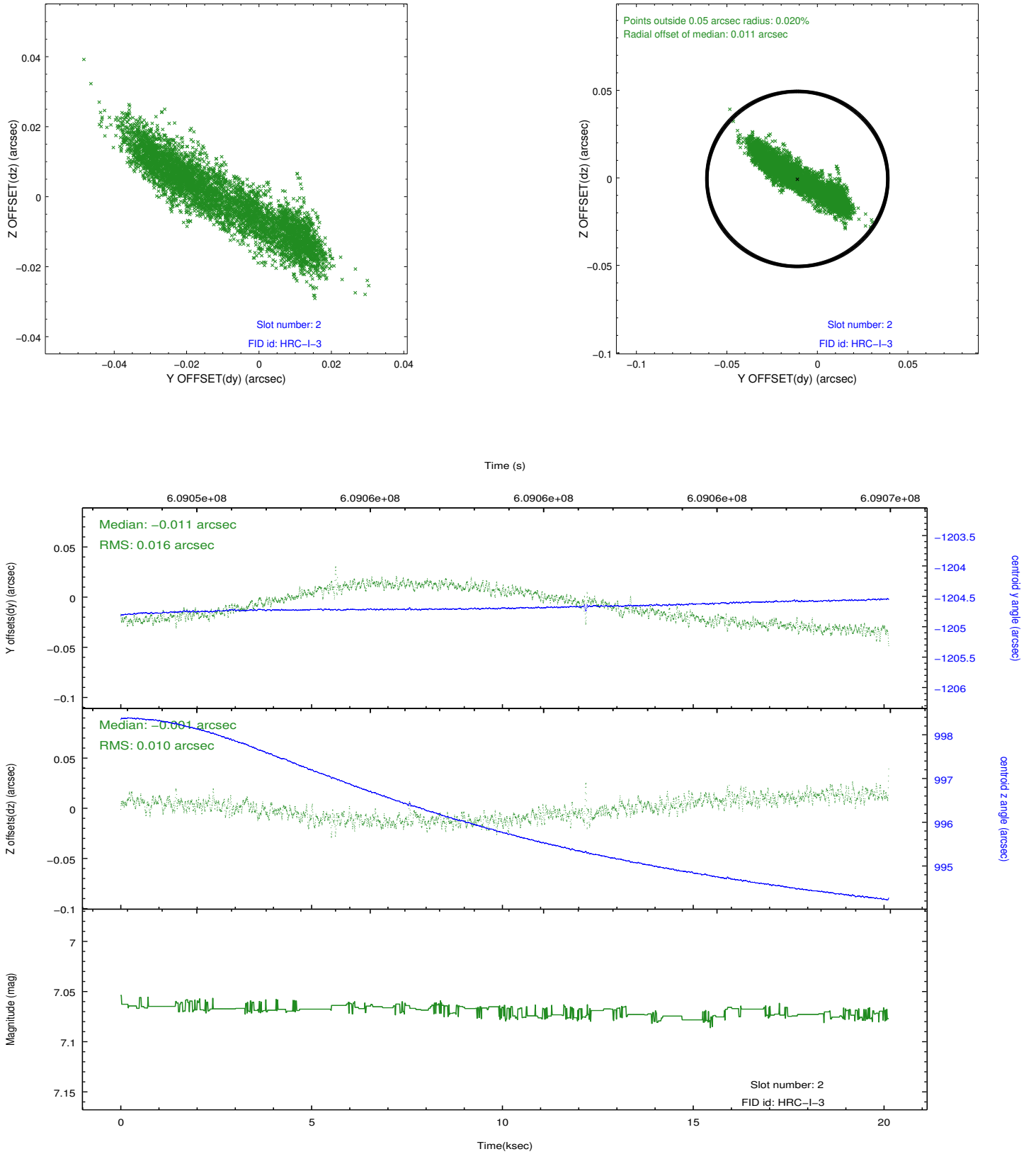
2.5.1 Slot 0



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)	2017.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.122801169157

A.2 Comments

Joint proposal with HST.

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.