

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18411 - L2 Version 1
Chandra X-Ray Center

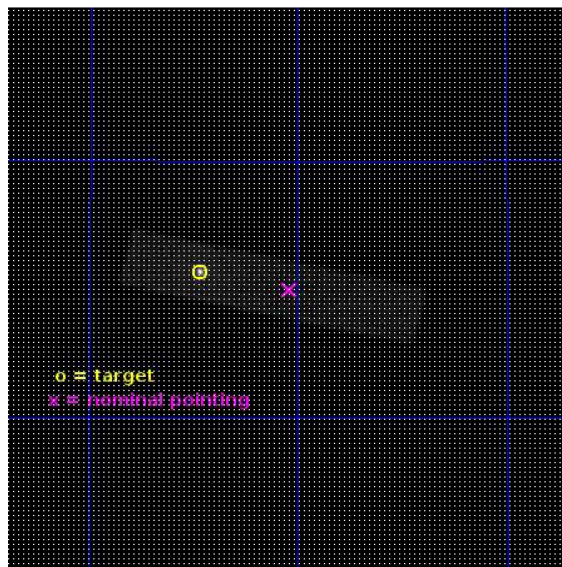
L2 Processing Date : Jul 11 2016

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1 Front

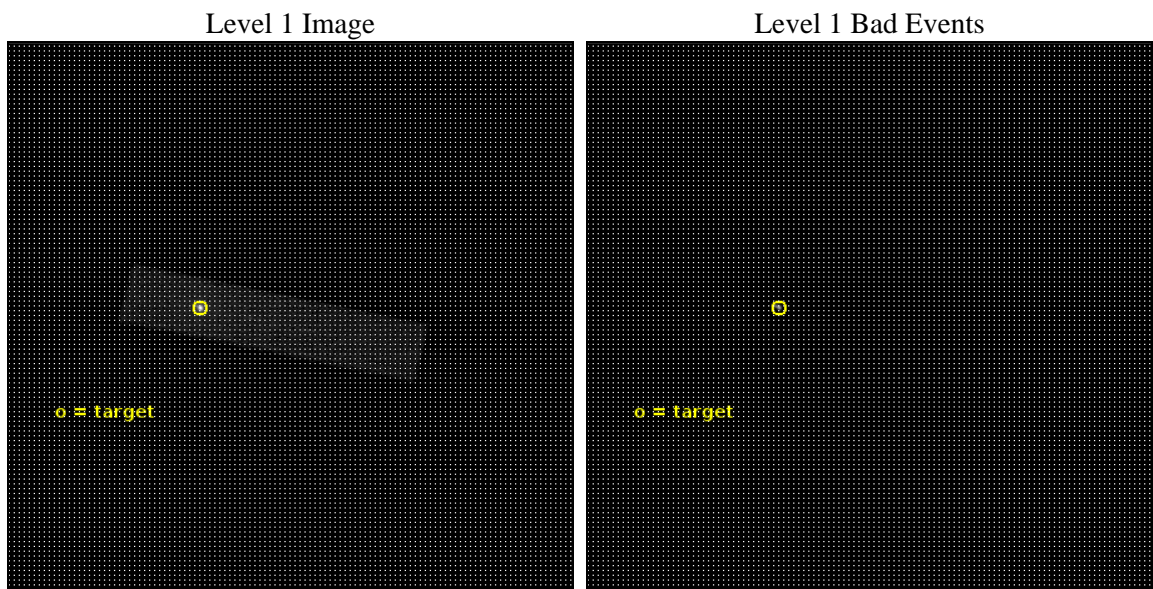
seq_num	291306	Sequence number
obs_id	18411	Observation id
title	AO-17 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.02043355699	Nominal RA [deg]
dec_nom	38.750311035401	Nominal Dec [deg]
roll_nom	192.01170501904	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.0813180208	[s]
livetime	1034.558447083	Ontime multiplied by DTCOR
l2events	208202	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	1182.0813180208	[s]
caldbver	4.7.2	 	l1events	267928	Number of level 1 events
date	2016-07-11T07:29:18	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

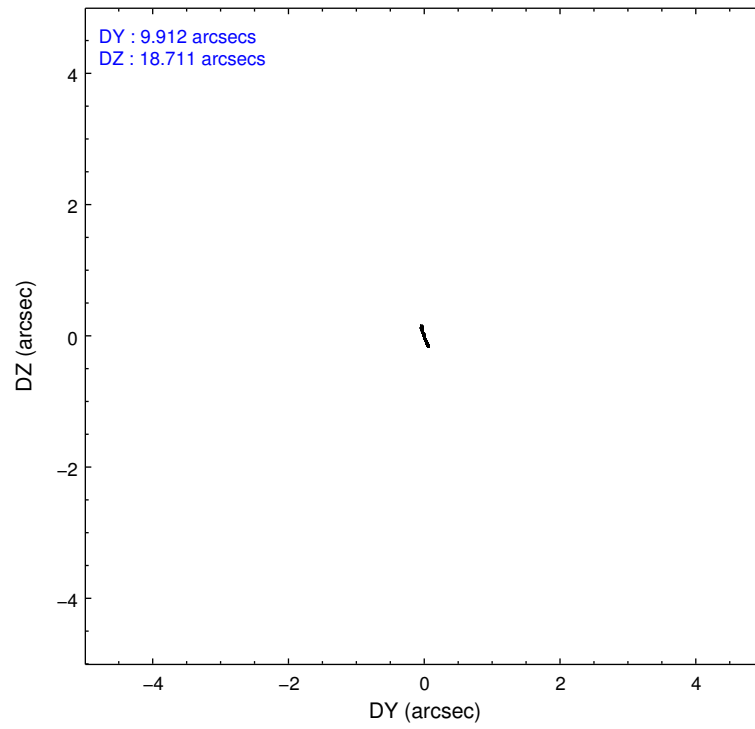
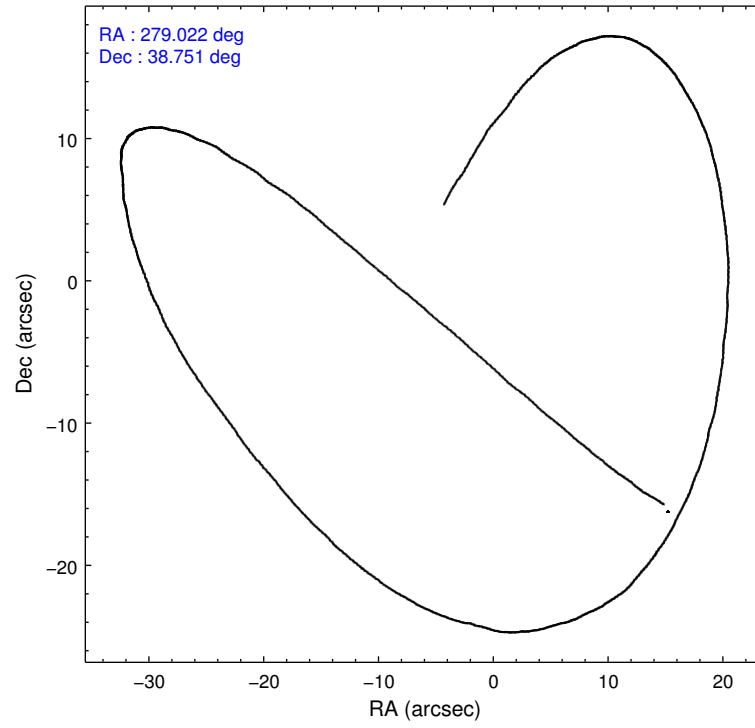
Level 1 Events

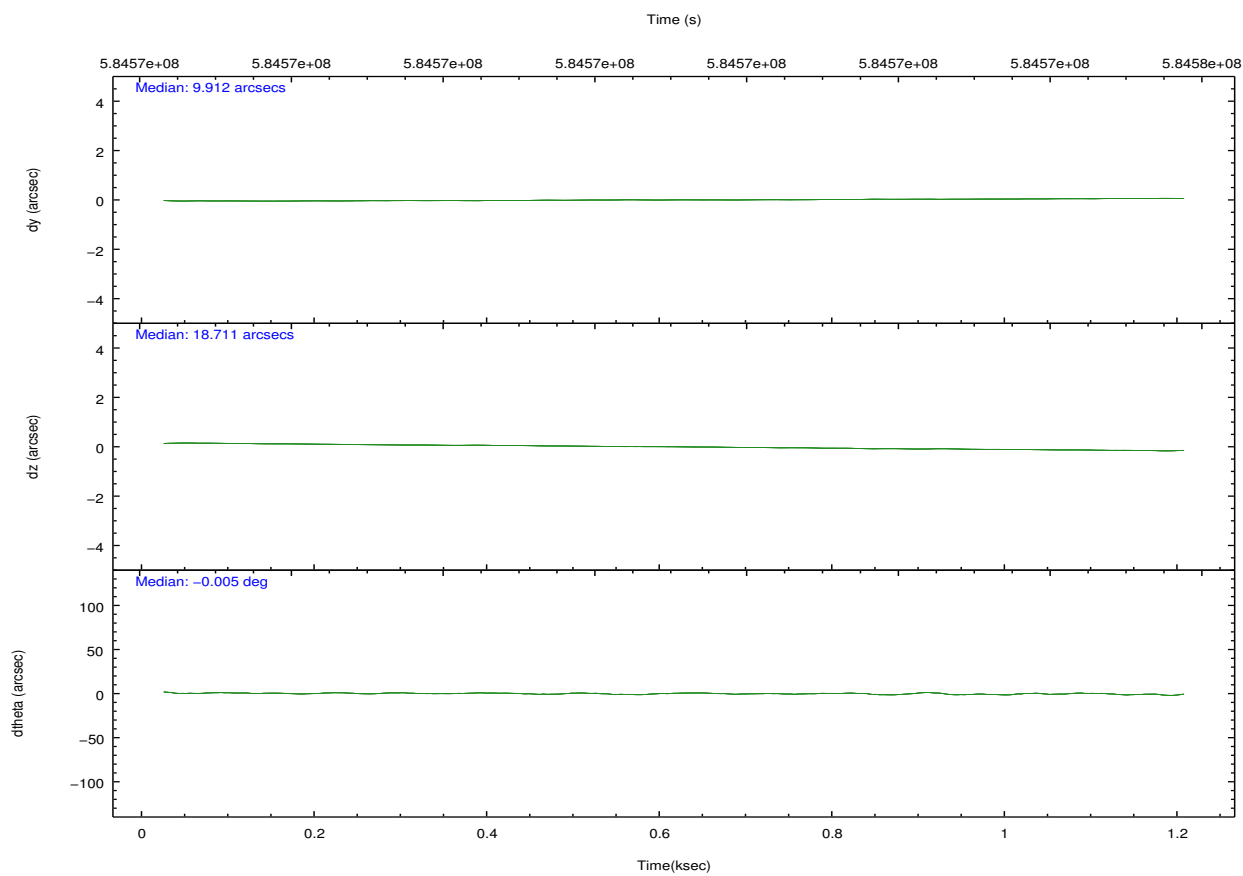
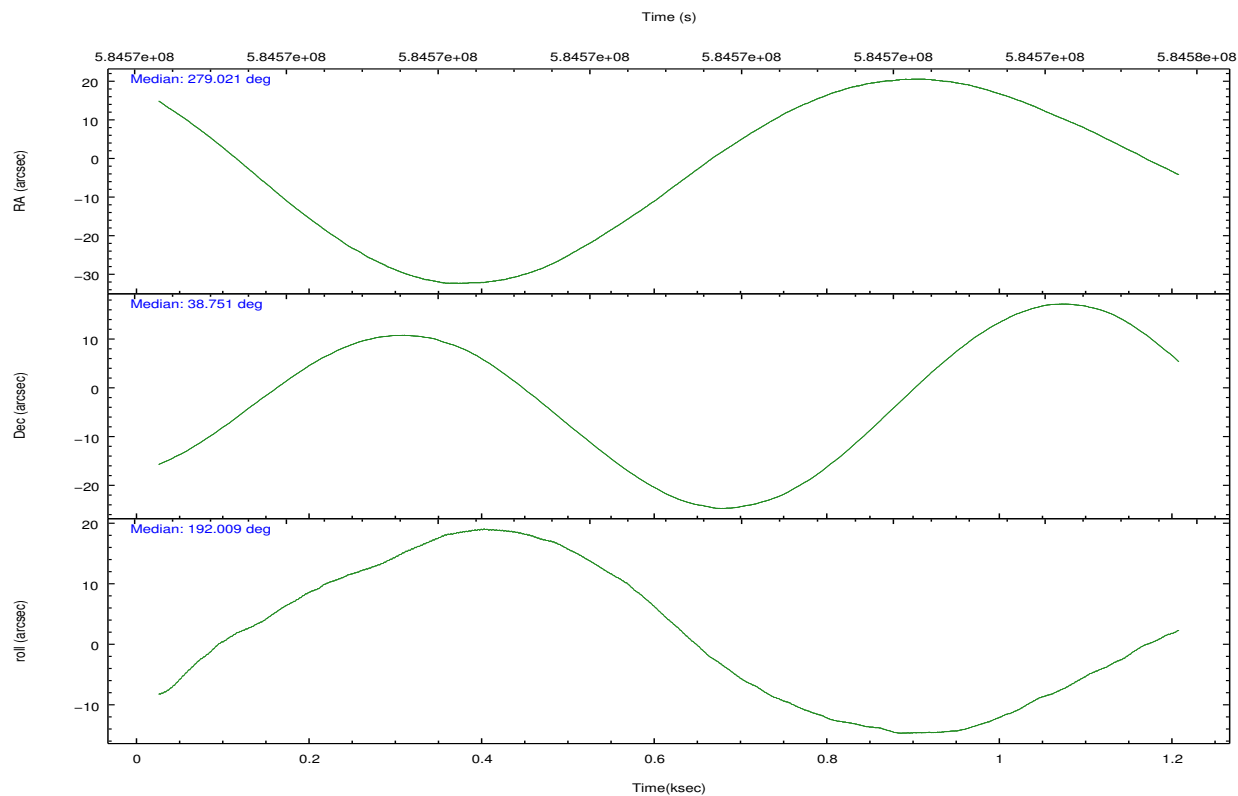
	segment 1	segment 2	segment 3
level 1 events	5076	262244	608
rejected events	5076	44268	608
rejected %	100%	16%	100%

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	279.046745	279.0204335569899			
[deg] Pointing Dec	38.769775	38.7503110354012			
[deg] Pointing Roll	191.927956	192.0117050190414			
[s] Window start time (MET)	581126468.184000	581126468.184000			
[s] Window stop time (MET)	586310468.184000	586310468.184000			
[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)	584573903.184000	584573526.8717901			
Observation start date	2016-07-10T21:37:15	2016-07-10T21:32:06			
[s] Observation end time (MET)	584574903.184000	584575037.7218699			
Observation end date	2016-07-10T21:53:55	2016-07-10T21:57:17			

2.3 Aspect



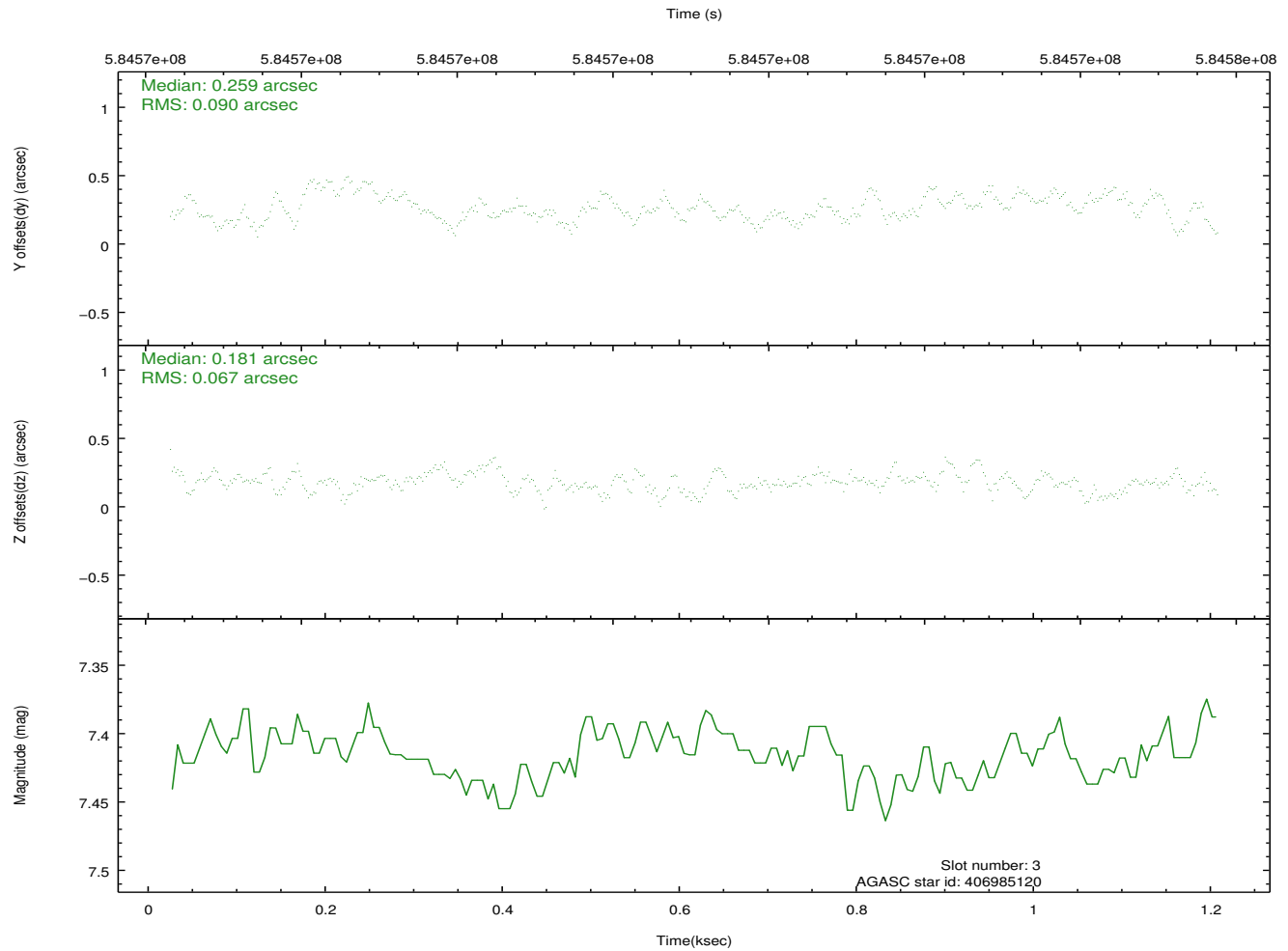
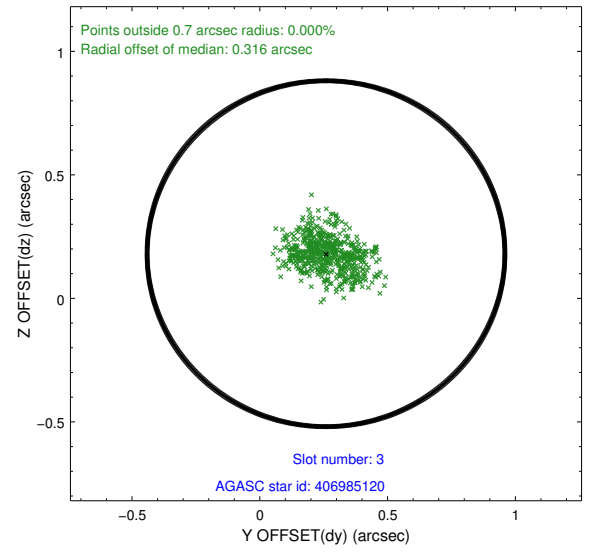
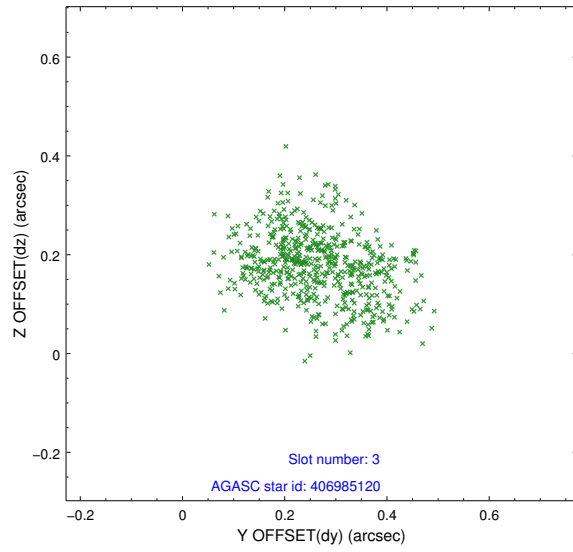


Slot Statistics

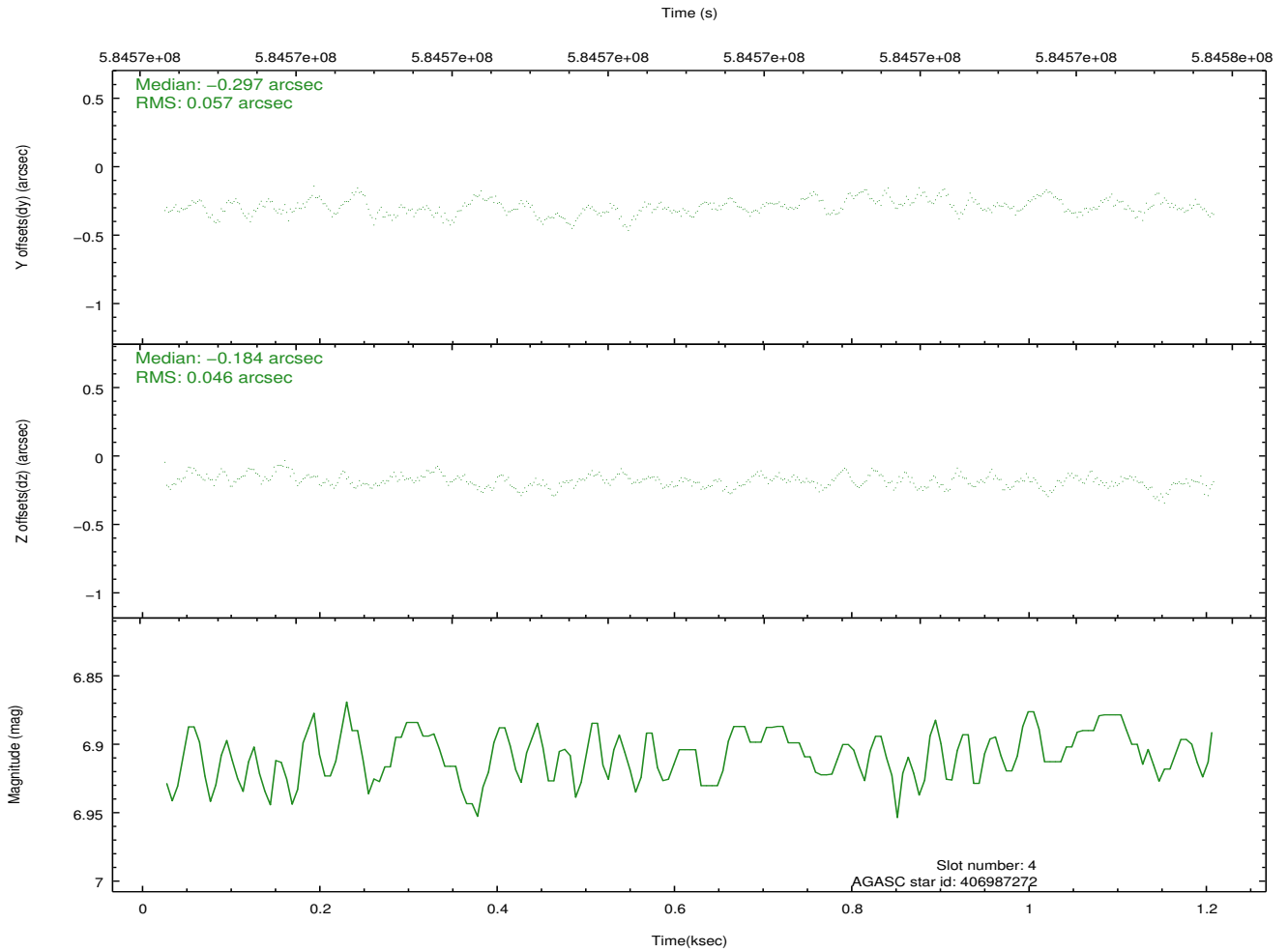
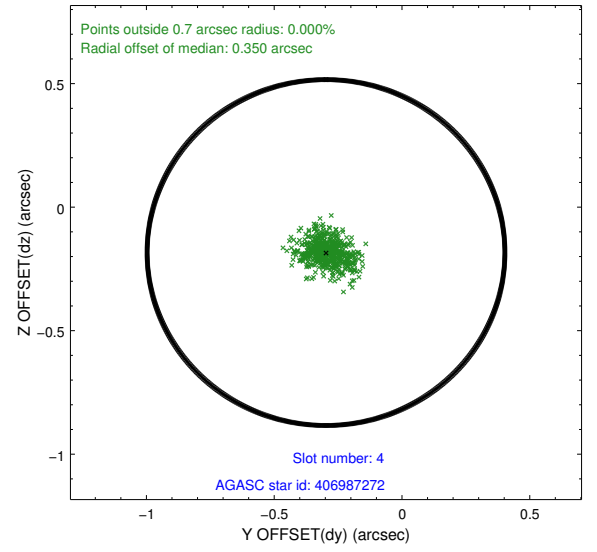
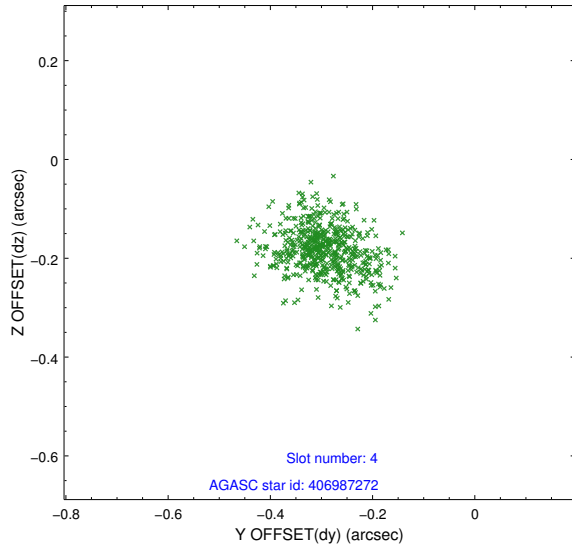
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.08	289	0.028	-0.201	0.008	0.014	0.000000	0.000000	-1164.18	-467.72
1	FID		HRC-S-2	7.05	289	0.290	-0.125	0.005	0.010	0.000000	0.000000	1231.71	-461.83
2	FID		HRC-S-3	7.08	289	0.072	0.024	0.009	0.015	0.000000	0.000000	-1162.63	560.43
3	GUIDE	used	406985120	7.42	578	0.259	0.181	0.123	0.192	278.839732	38.894839	475.48	-557.66
4	GUIDE	used	406987272	6.91	578	-0.297	-0.184	0.078	0.131	278.536588	38.437504	1655.56	870.29
5	GUIDE	used	406989616	8.21	578	0.102	-0.060	0.106	0.221	279.202881	38.520843	-241.35	971.94
6	GUIDE	used	407521232	8.60	578	0.254	0.432	0.105	0.167	279.628883	39.431715	-2076.60	-1996.92
7	GUIDE	used	406987384	8.93	577	-0.319	-0.370	0.123	0.197	278.815518	38.115336	1124.45	2168.34

2.4 Star Slots

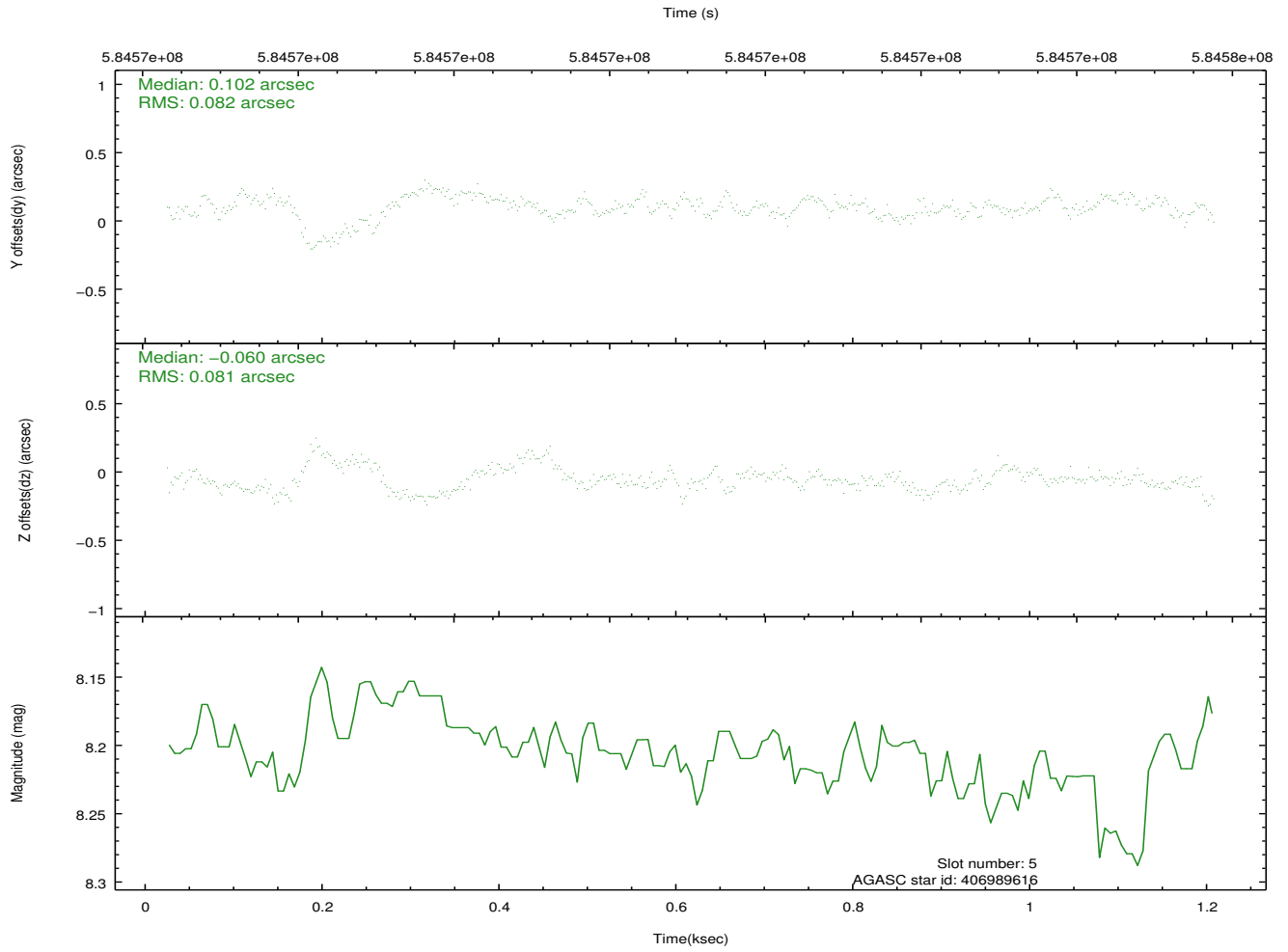
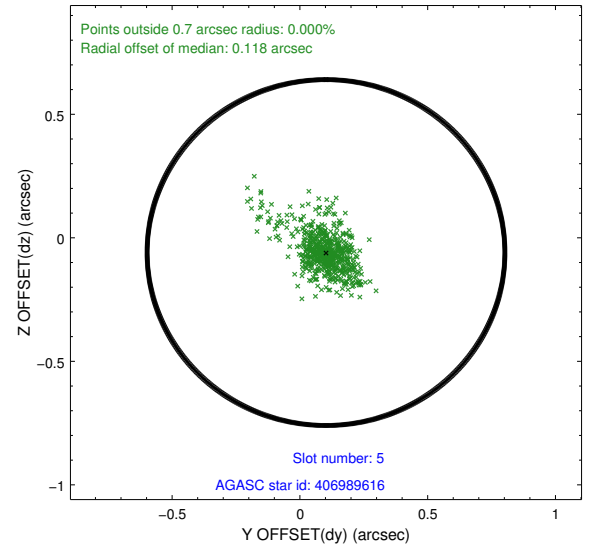
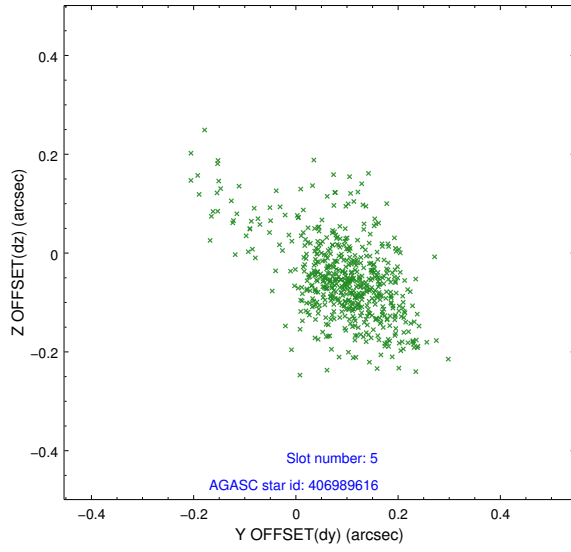
2.4.1 Slot 3



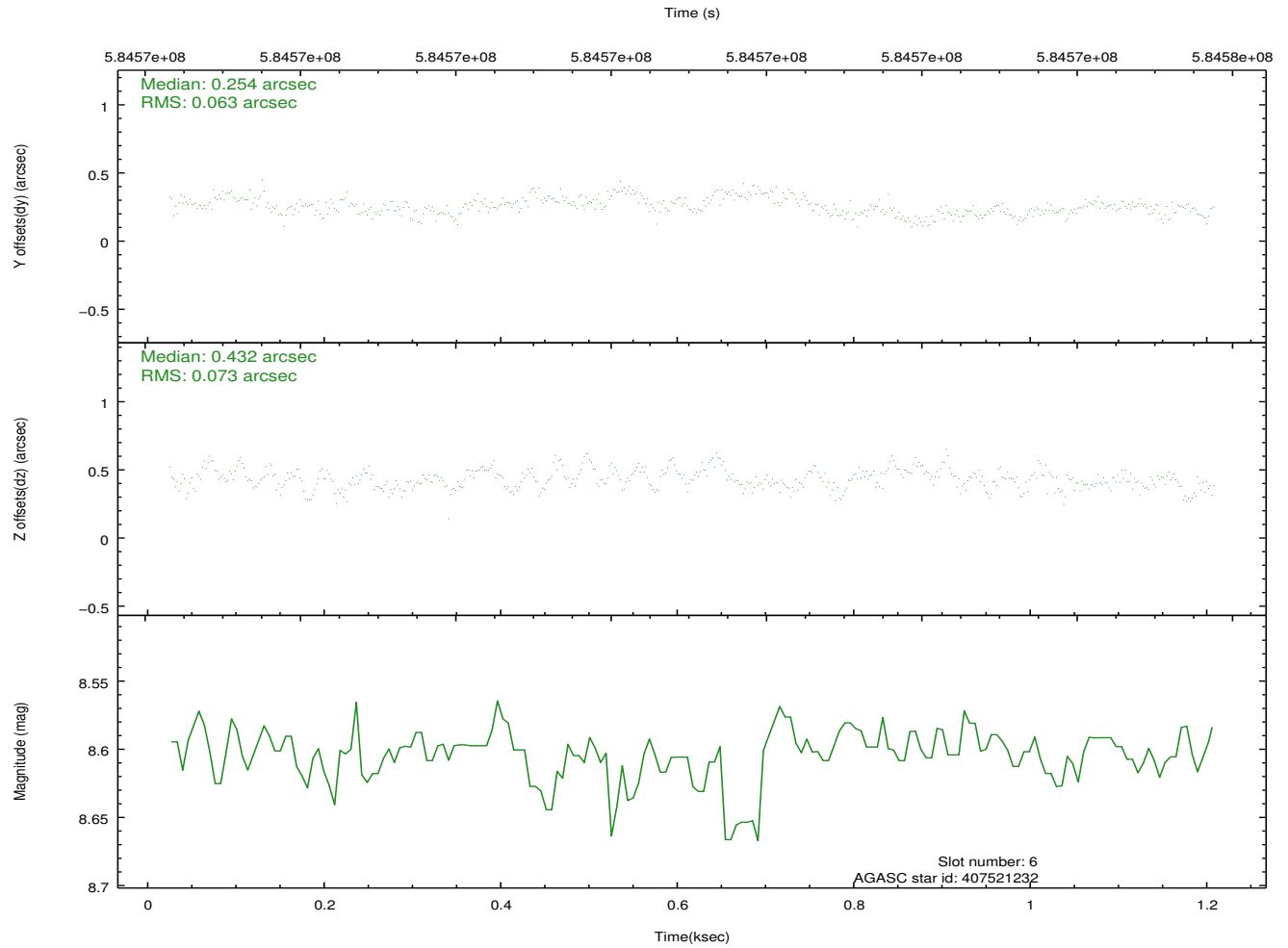
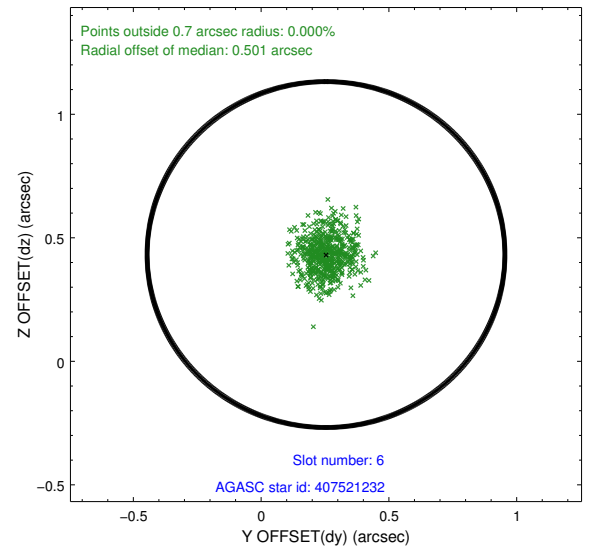
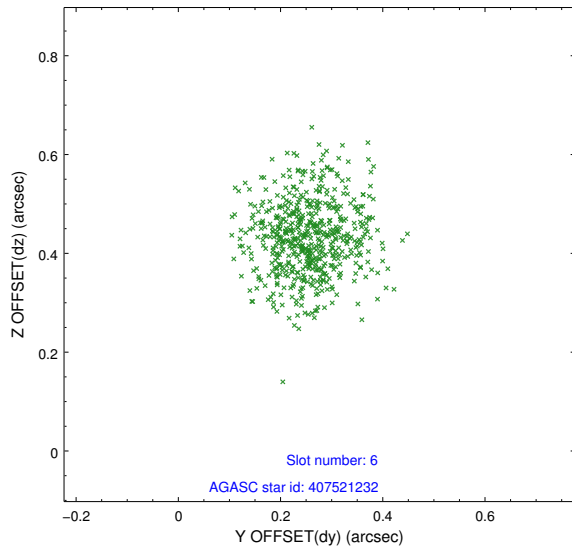
2.4.2 Slot 4



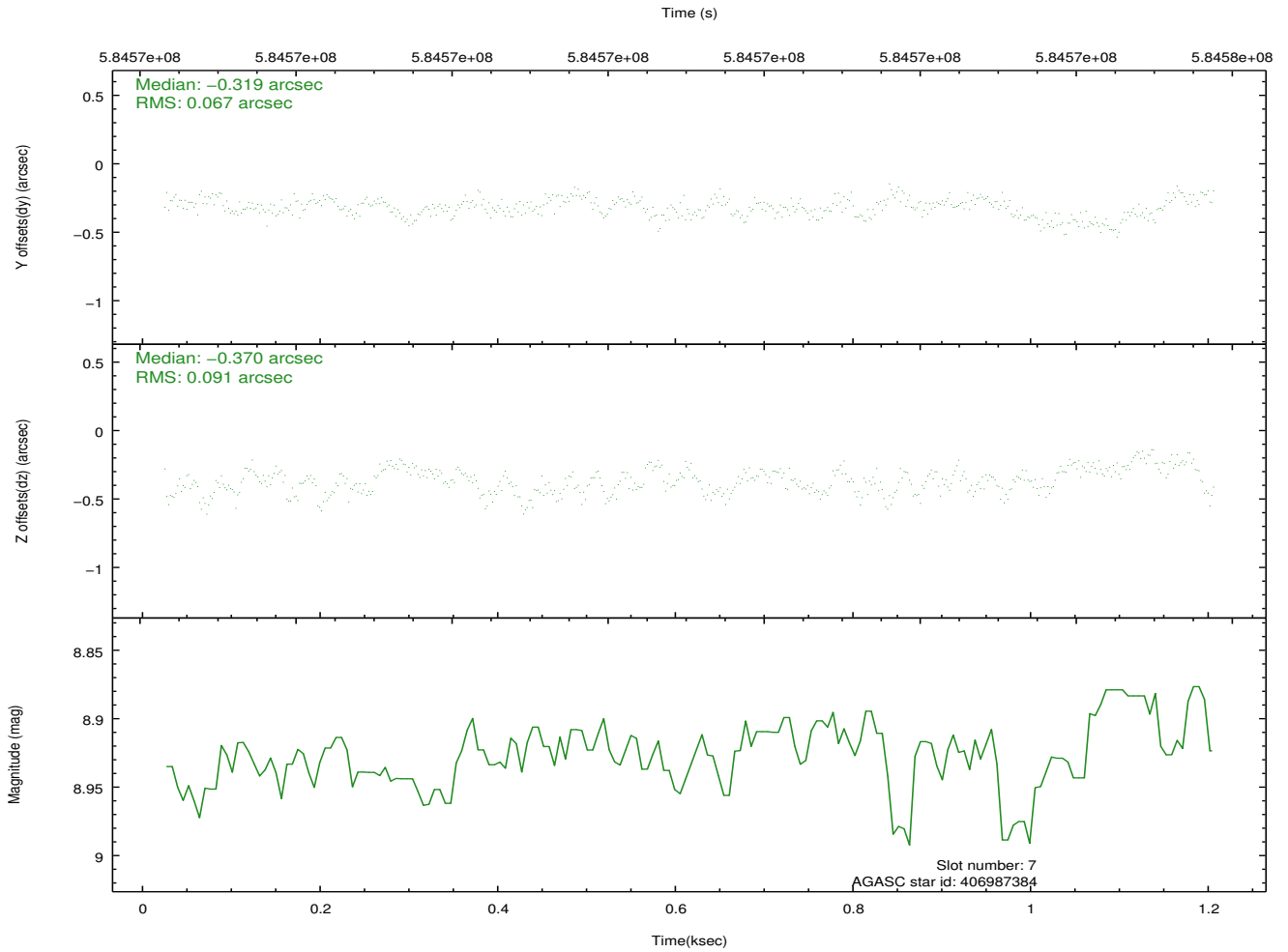
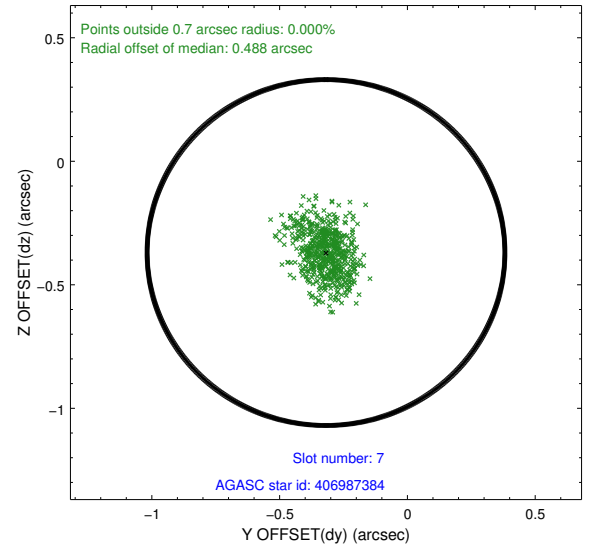
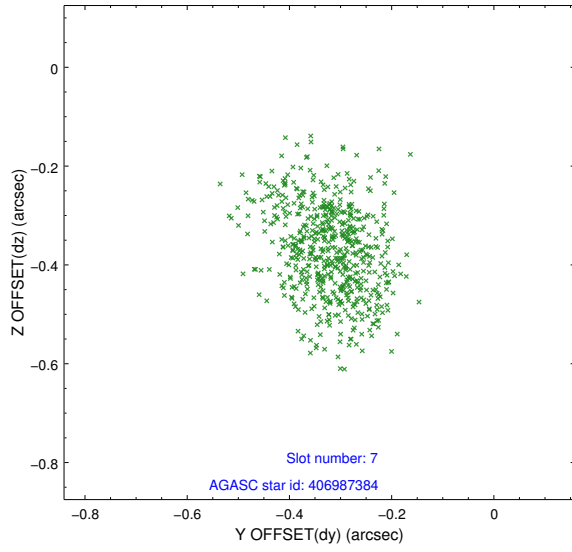
2.4.3 Slot 5



2.4.4 Slot 6

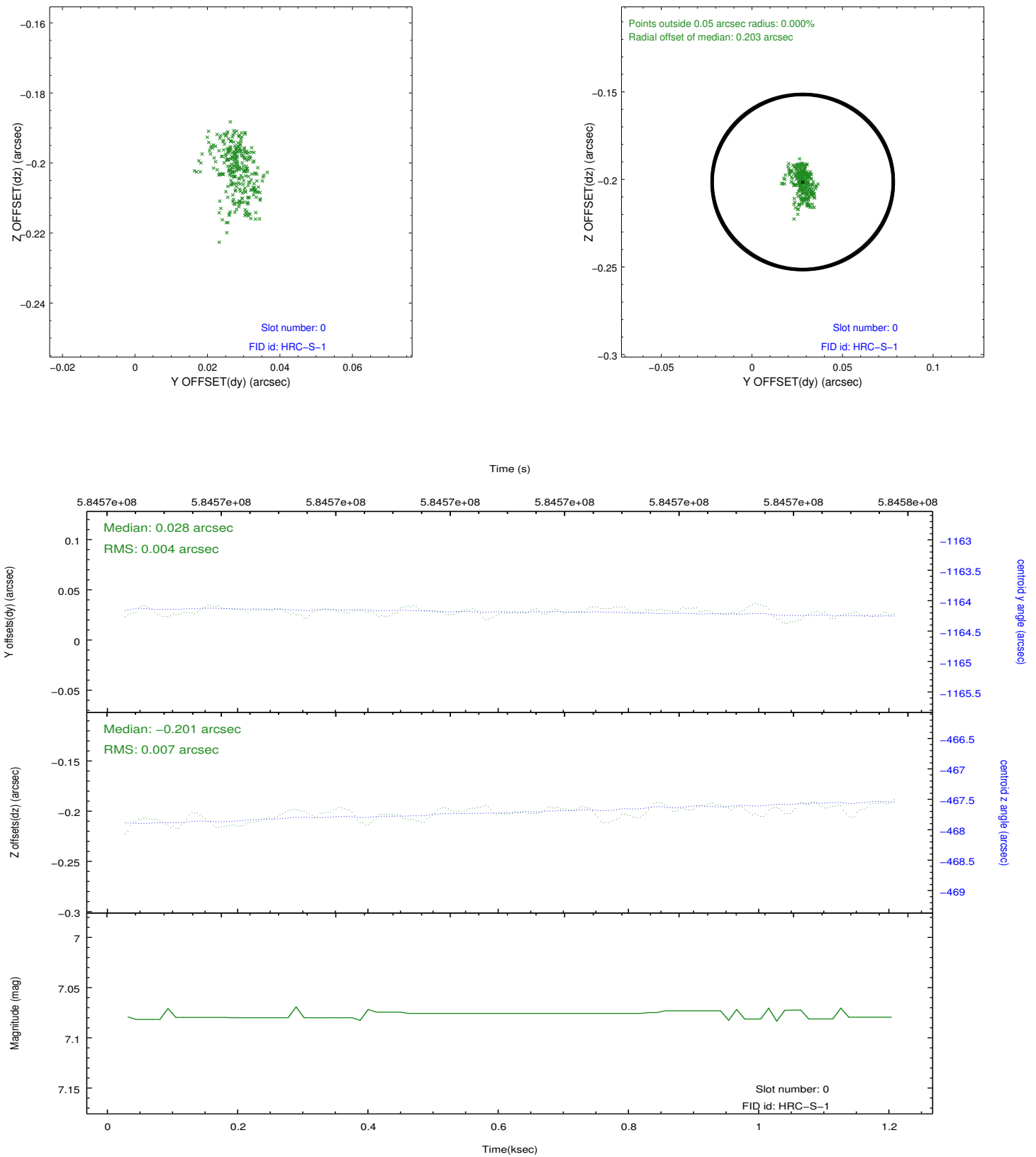


2.4.5 Slot 7

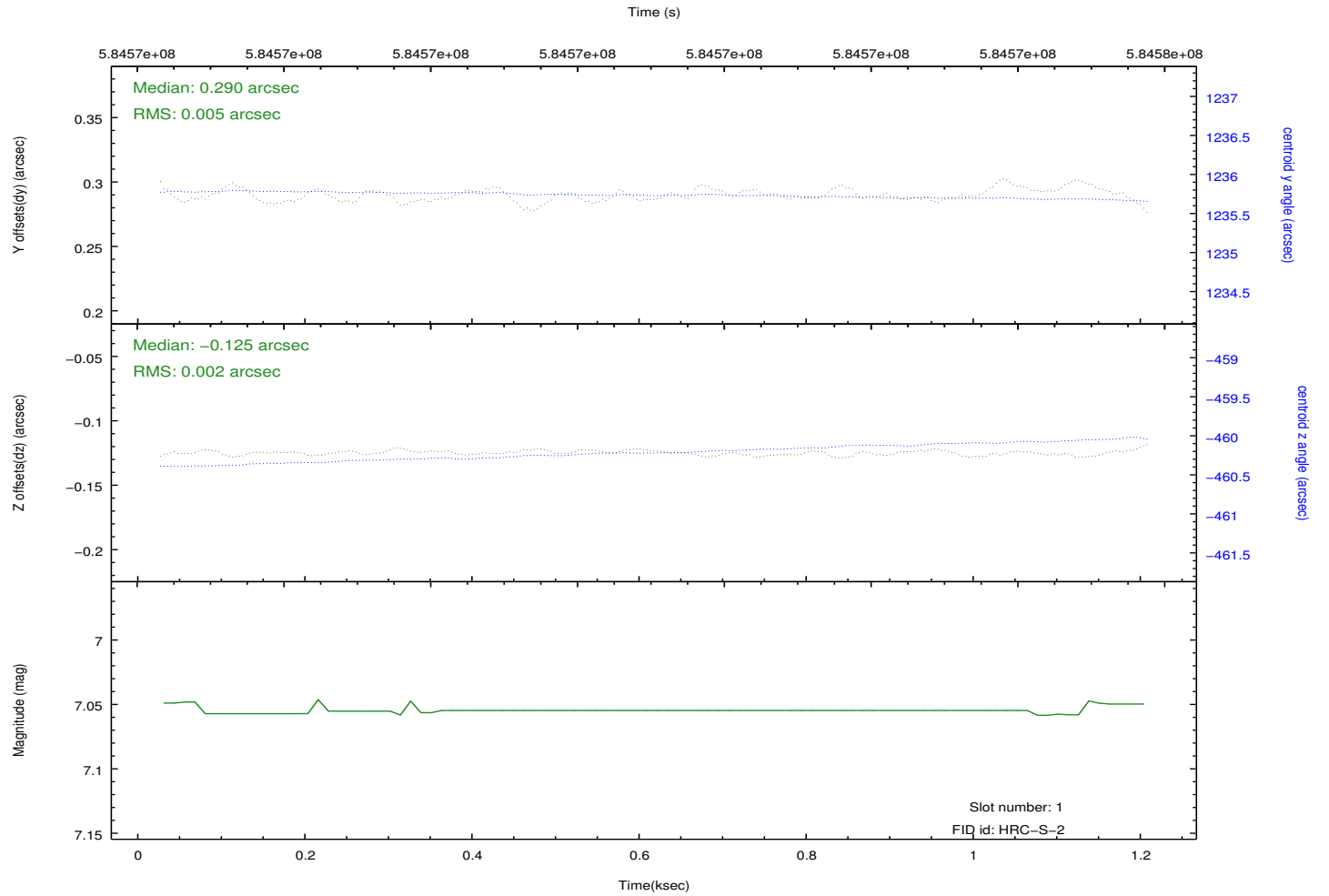
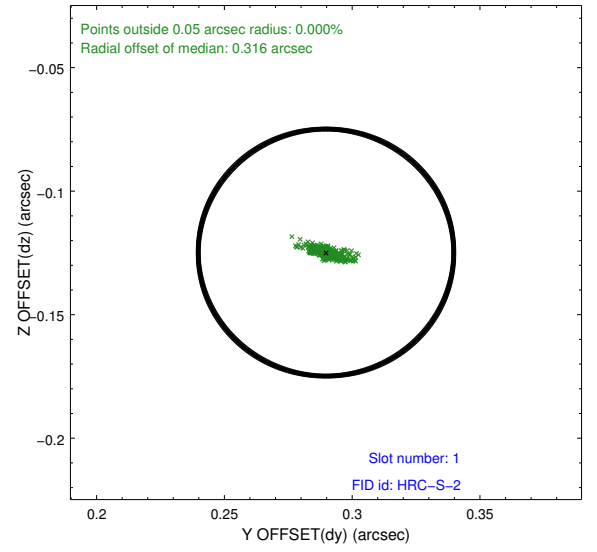
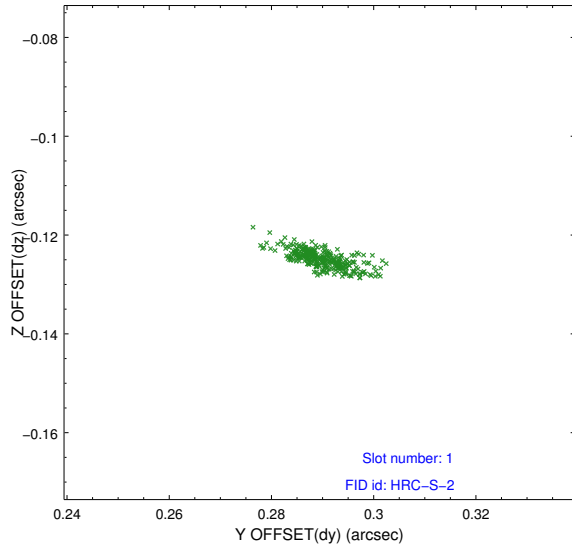


2.5 FID Slots

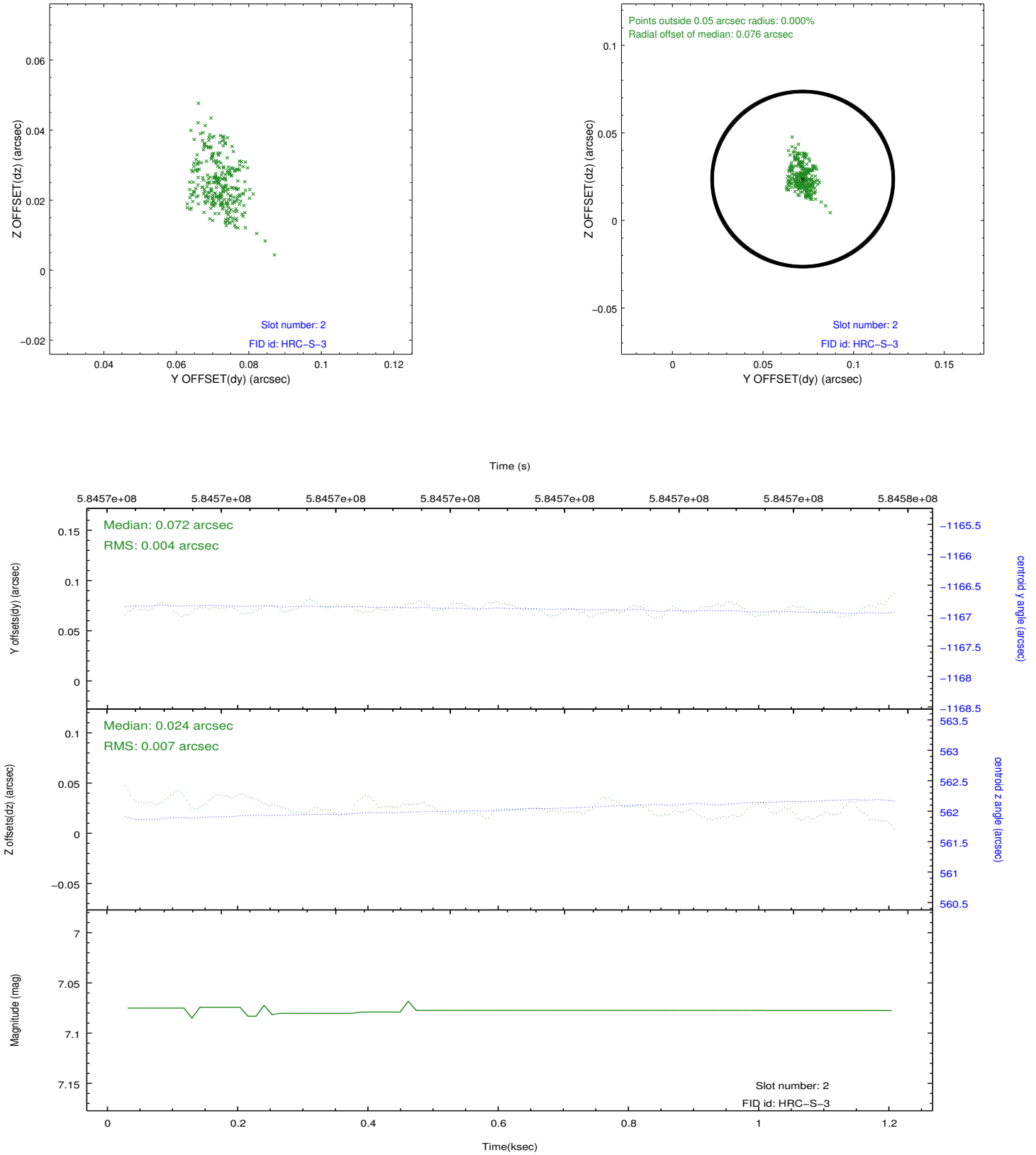
2.5.1 Slot 0



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)	2016.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813180208

A.2 Comments