

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21740 - L2 Version 1
Chandra X-Ray Center

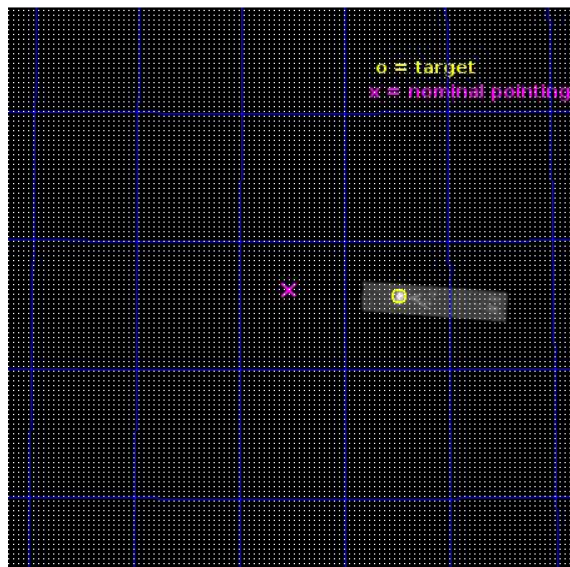
L2 Processing Date : Jul 5 2019

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1 Front

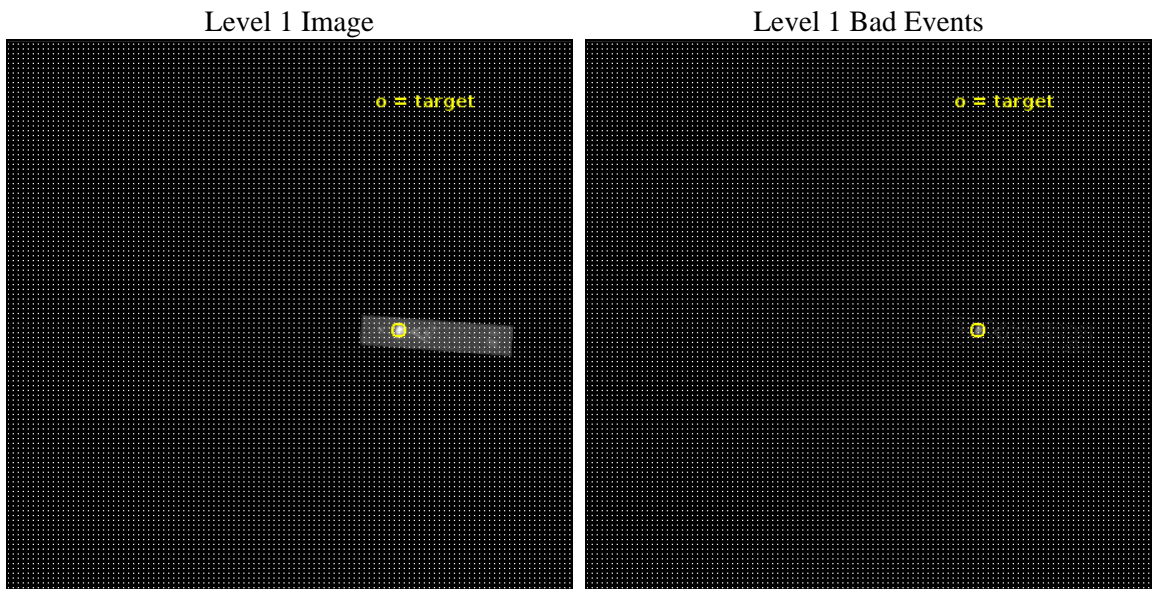
seq_num	291426	Sequence number
obs_id	21740	Observation id
title	AO-20 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.236347	Observer's specified target RA [deg]
dec_targ	38.785478	Observer's specified target Dec [deg]
ra_nom	279.7643648873	Nominal RA [deg]
dec_nom	38.812444138964	Nominal Dec [deg]
roll_nom	184.38435210799	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1196.4313219786	[s]
liveltime	595.26695436543	Ontime multiplied by DTCOR
l2events	209788	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	10.8	Processing system revision	ontime	1196.4313219786	[s]
caldsver	4.8.3.1	 	l1events	257847	Number of level 1 events
date	2019-07-05T13:27:15	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

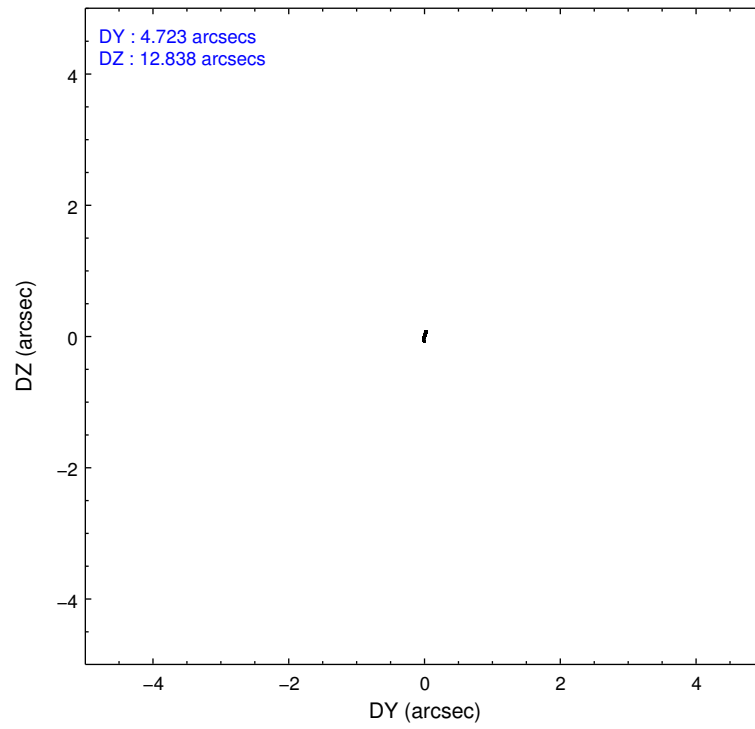
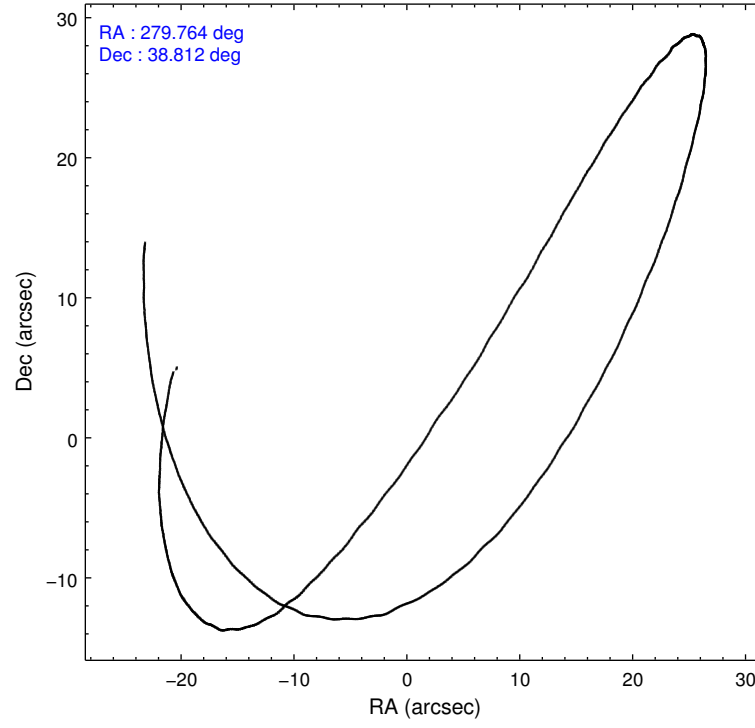
	segment 1	segment 2	segment 3
level 1 events	21	16	257810
rejected events	21	16	37201
rejected %	100%	100%	14%

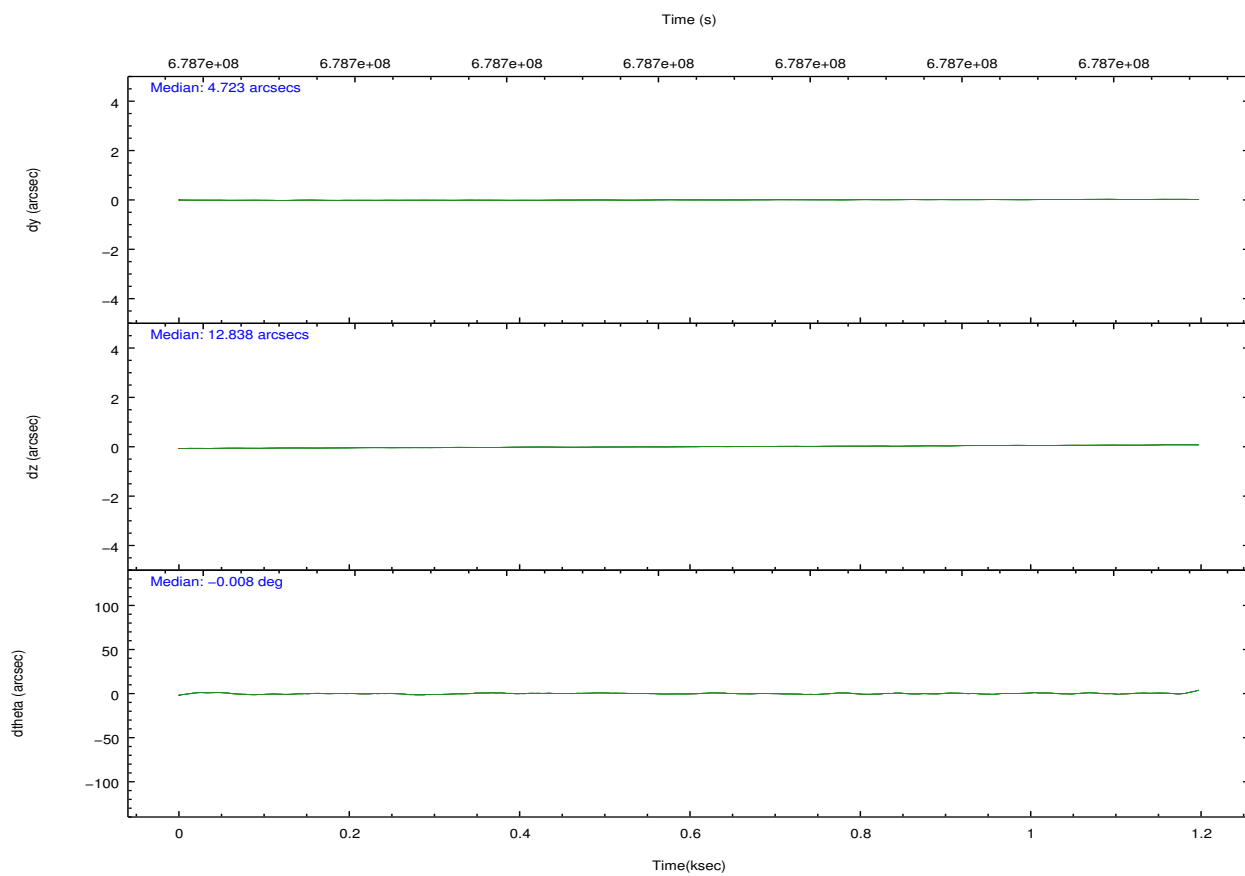
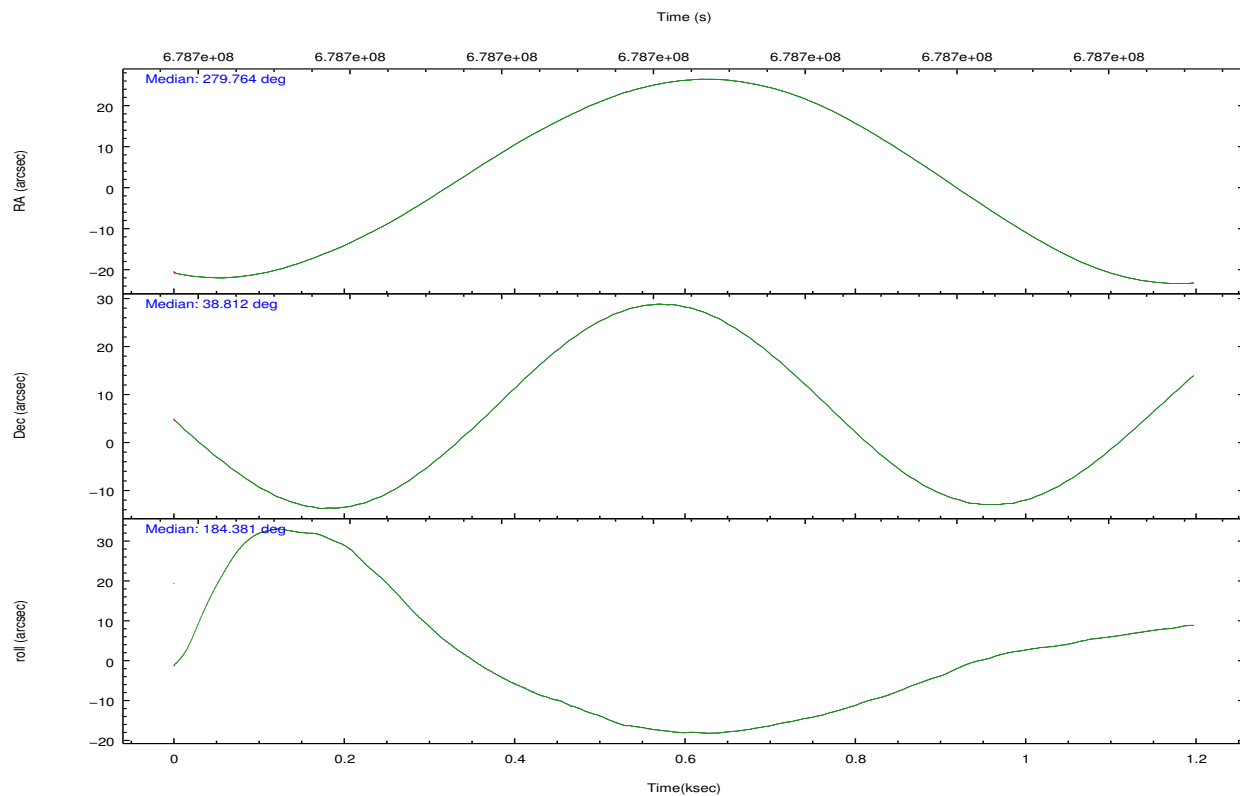
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.794448	279.7643648873039
[deg] Pointing Dec	38.831046	38.81244413896395
[deg] Pointing Roll	184.298378	184.3843521079899
[s] Window start time (MET)	675734469.184000	675734469.184000
[s] Window stop time (MET)	680918469.184000	680918469.184000
[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)	678701841.184000	678701463.68305
Observation start date	2019-07-05T08:16:12	2019-07-05T08:11:03
[s] Observation end time (MET)	678702841.184000	678703731.49569
Observation end date	2019-07-05T08:32:52	2019-07-05T08:48:51

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

2.3 Aspect



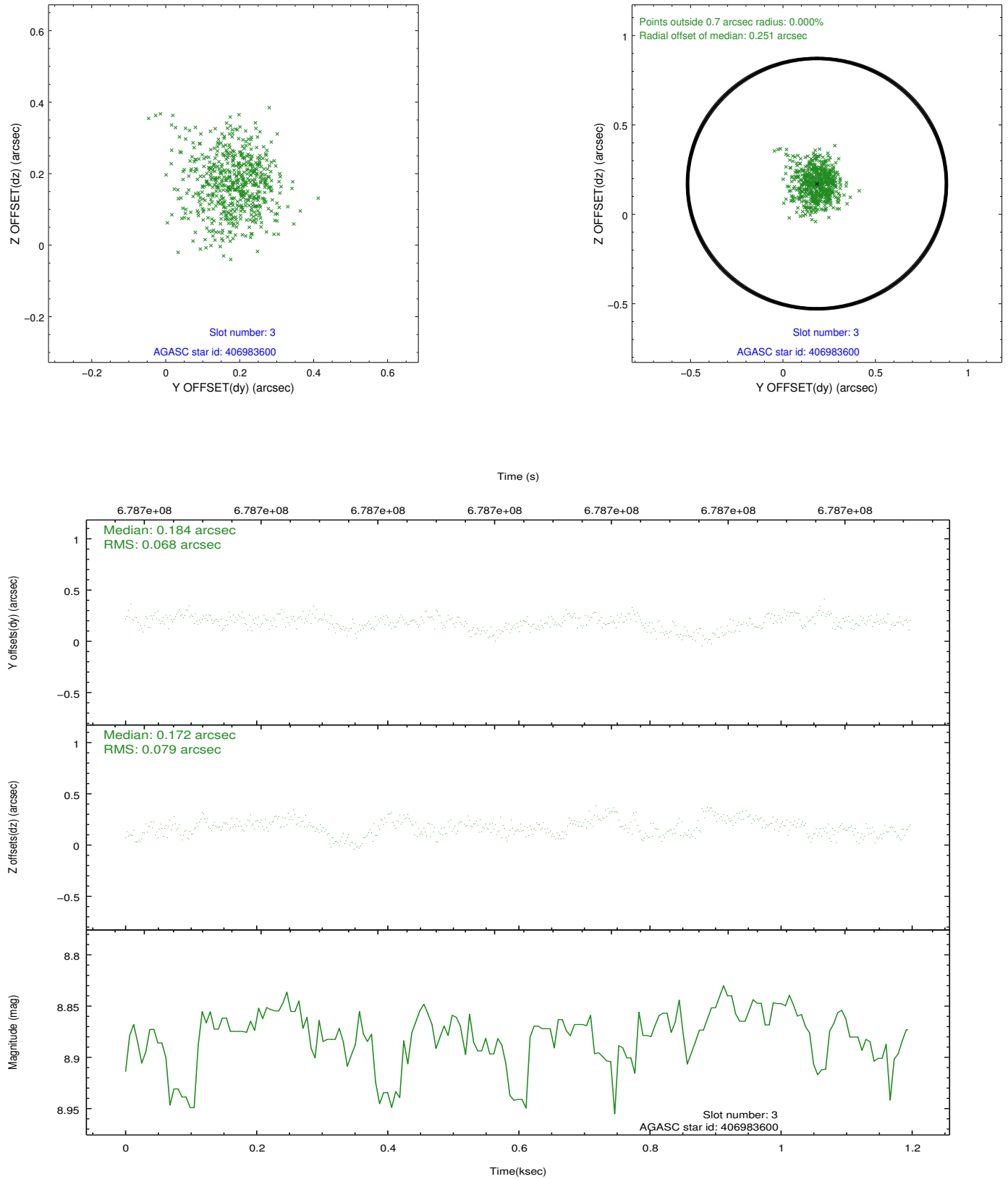


Slot Statistics

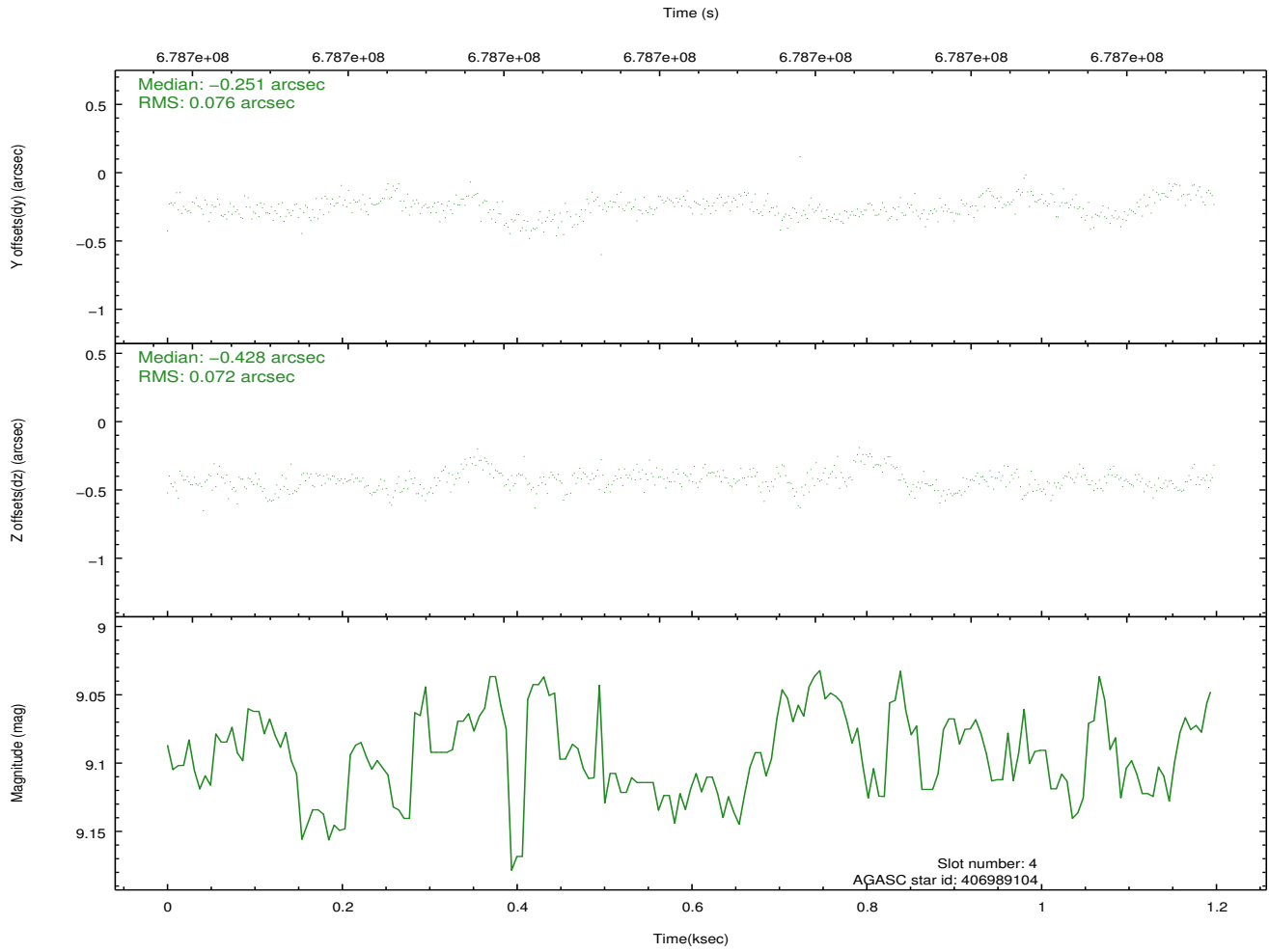
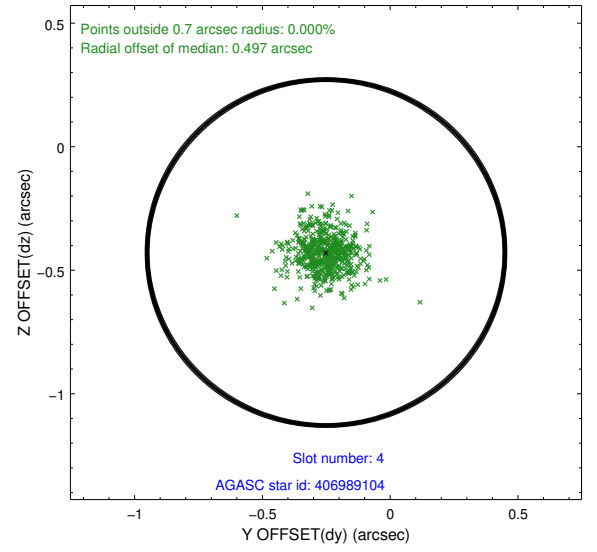
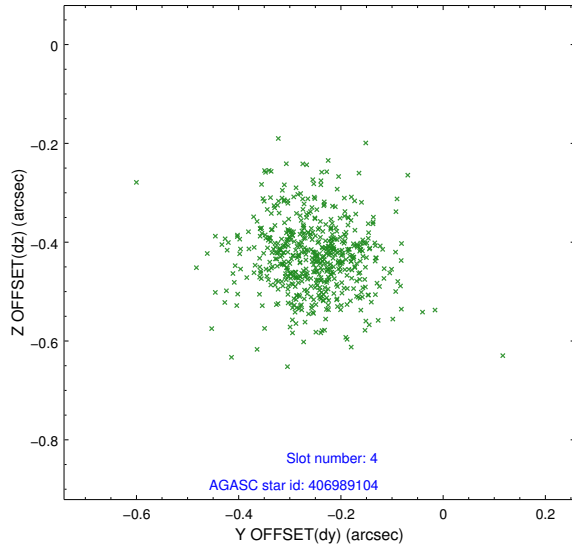
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.04	293	1.000	-0.042	-0.122	0.006	0.012	0.000000	0.000000	-1158.91	-461
1	FID		HRC-S-2	7.01	293	1.000	0.400	-0.142	0.004	0.007	0.000000	0.000000	1237.23	-455
2	FID		HRC-S-3	7.03	293	1.000	0.030	-0.037	0.006	0.013	0.000000	0.000000	-1157.42	566
3	GUIDE	used	406983600	8.88	583	1.000	0.184	0.172	0.109	0.182	279.940957	39.020708	-462.64	-652
4	GUIDE	used	406989104	9.09	584	1.000	-0.251	-0.428	0.107	0.186	279.132962	38.504168	1943.52	1021
5	GUIDE	used	406989616	8.21	583	1.000	-0.343	-0.323	0.080	0.129	279.202881	38.520843	1746.53	981
6	GUIDE	used	407513096	8.13	585	1.000	0.340	0.356	0.088	0.147	279.928965	39.436841	-534.36	-2148
7	GUIDE	used	407521232	8.62	584	1.000	0.068	0.222	0.110	0.182	279.628883	39.431715	294.94	-2198

2.4 Star Slots

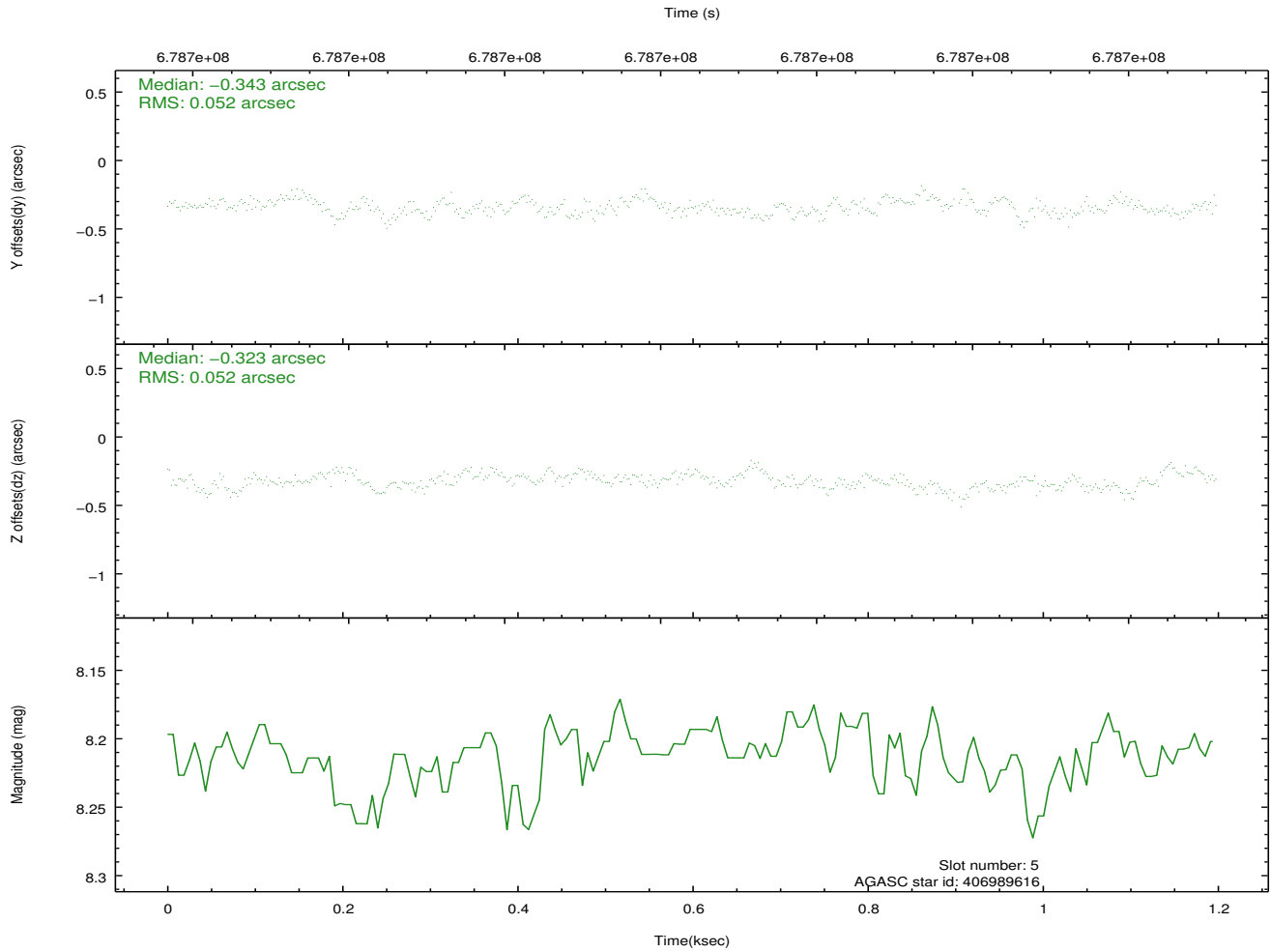
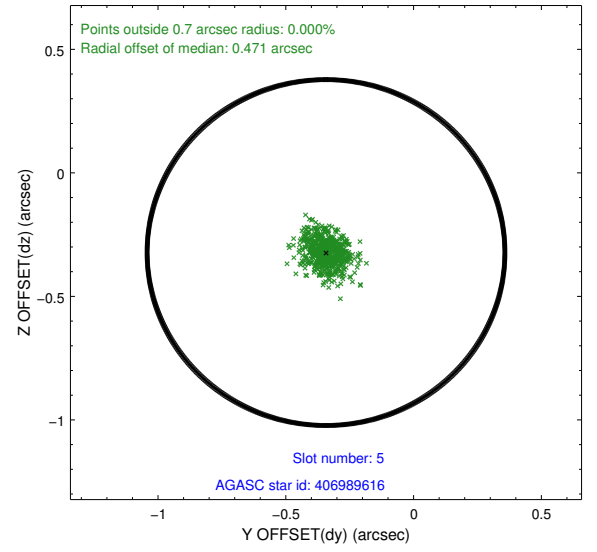
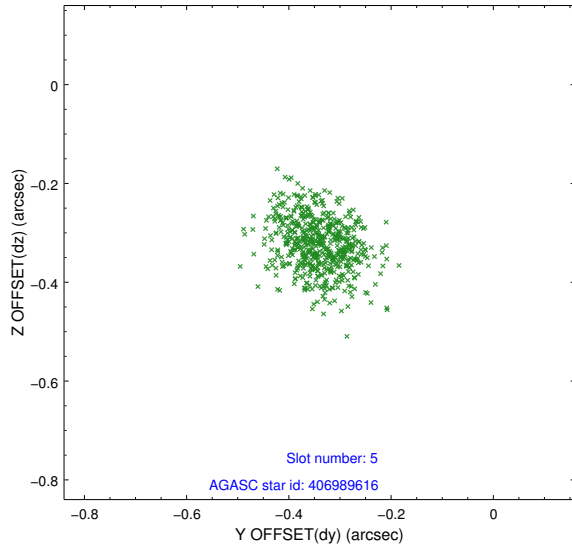
2.4.1 Slot 3



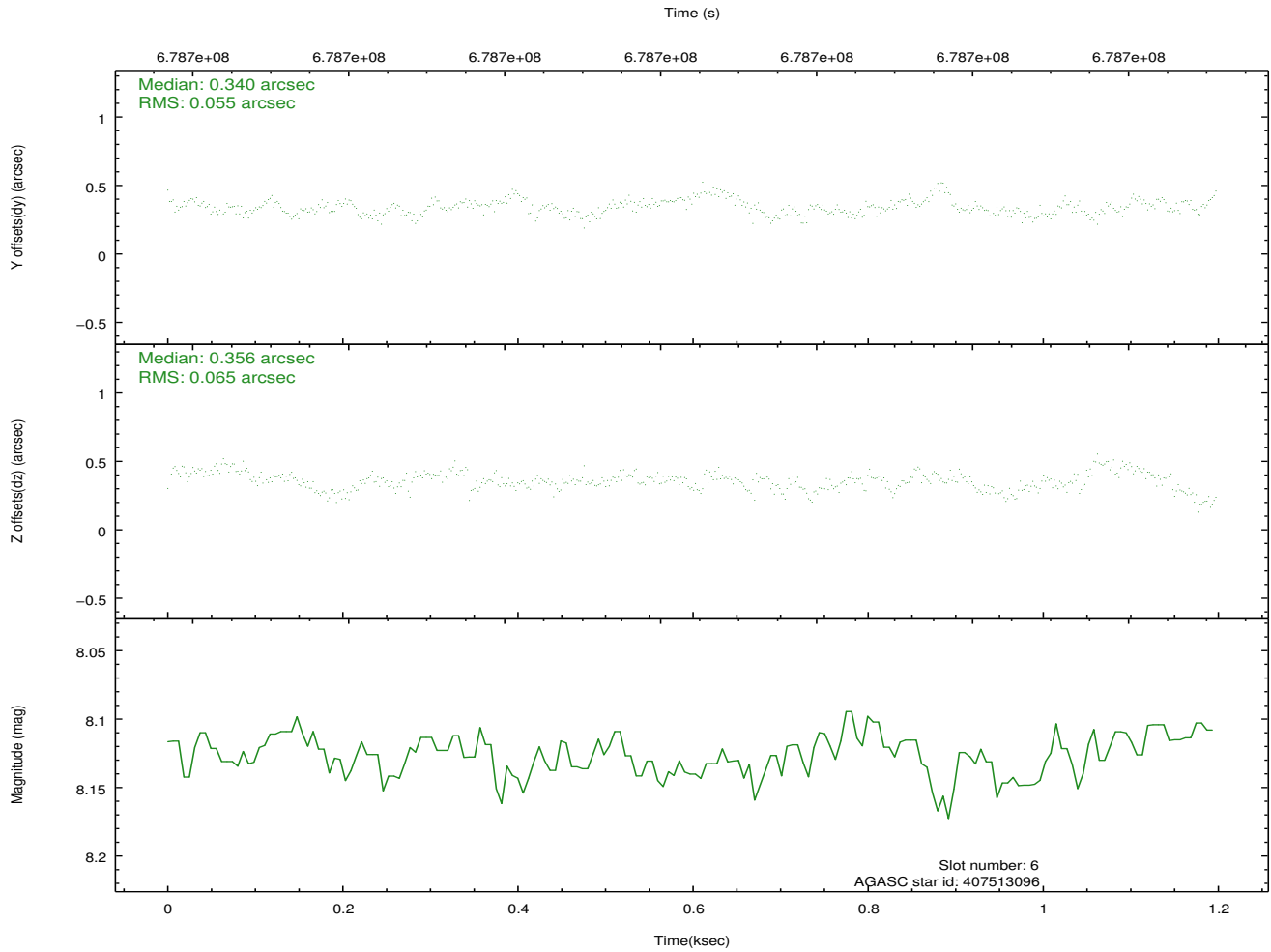
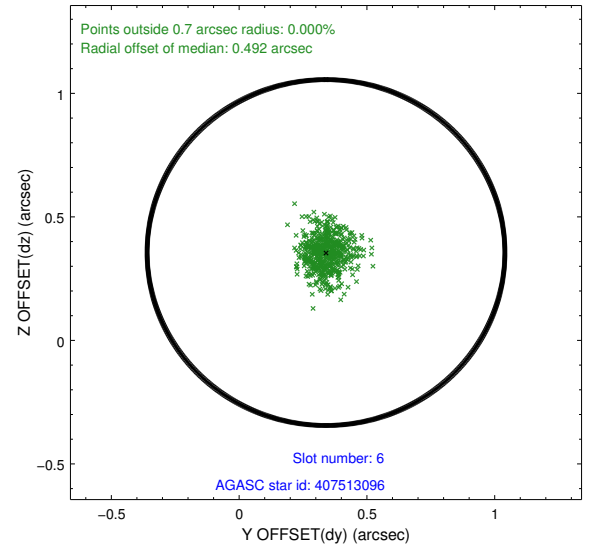
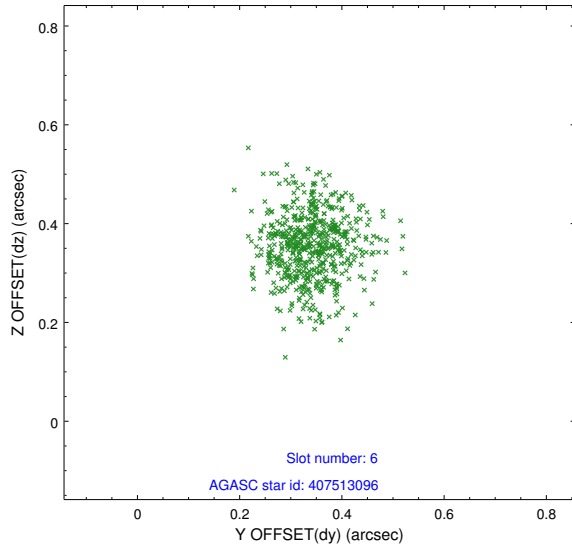
2.4.2 Slot 4



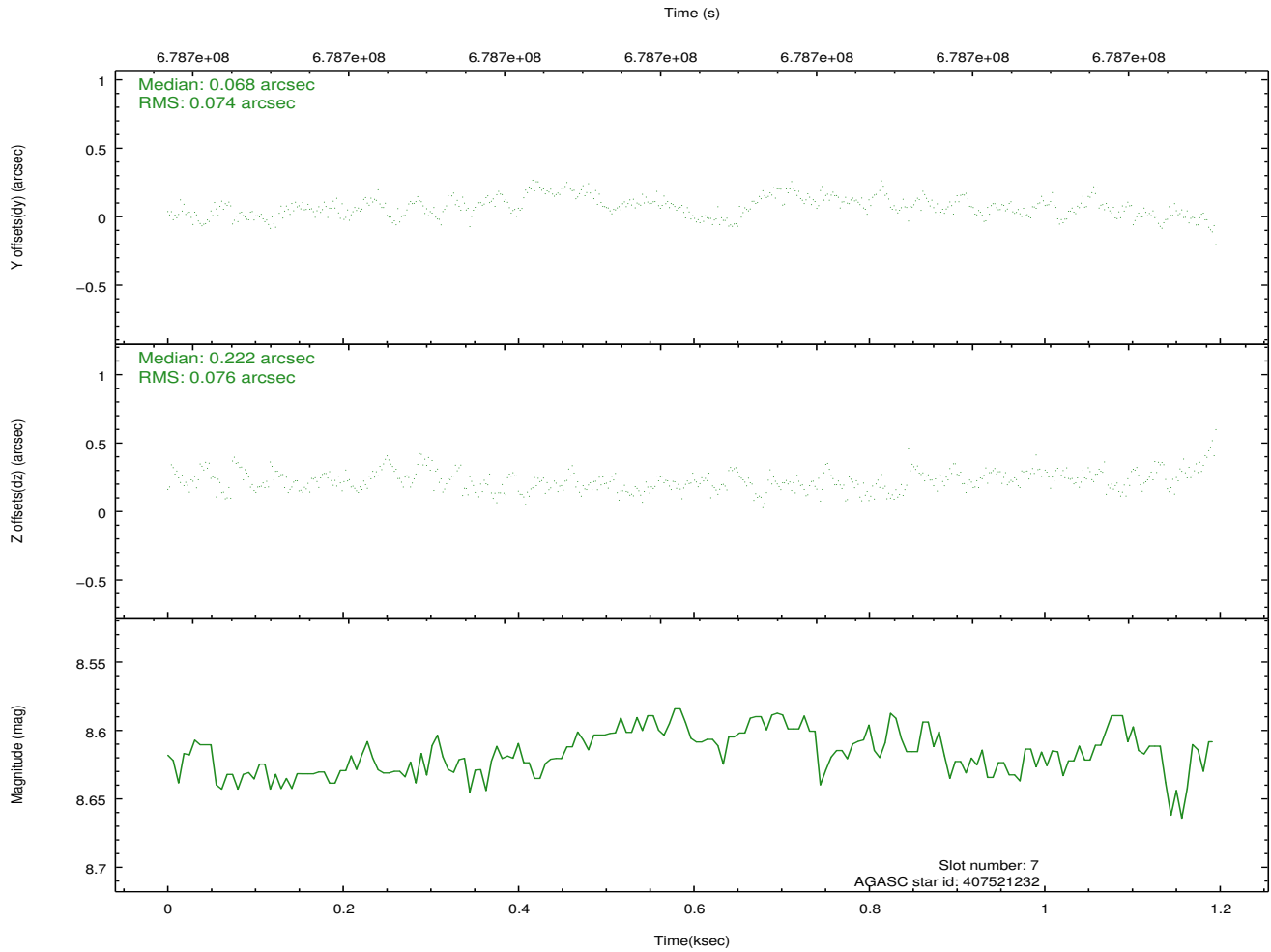
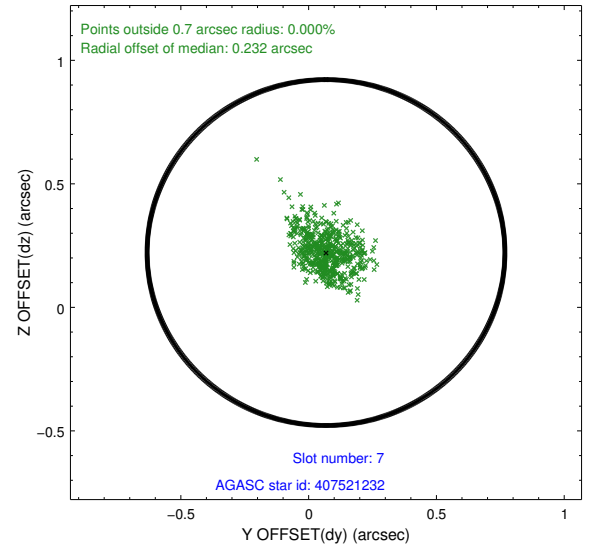
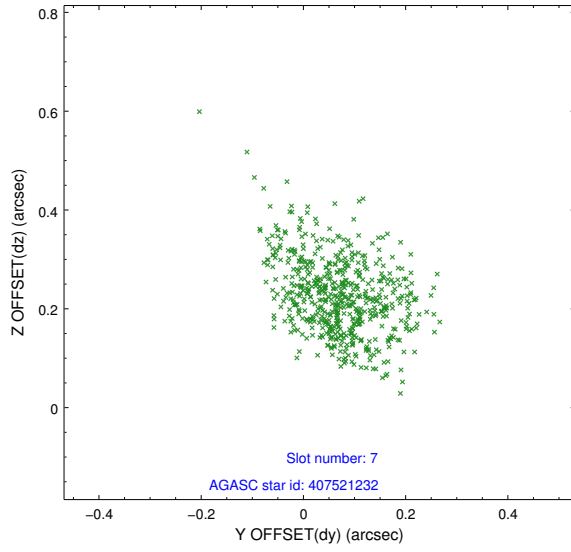
2.4.3 Slot 5



2.4.4 Slot 6

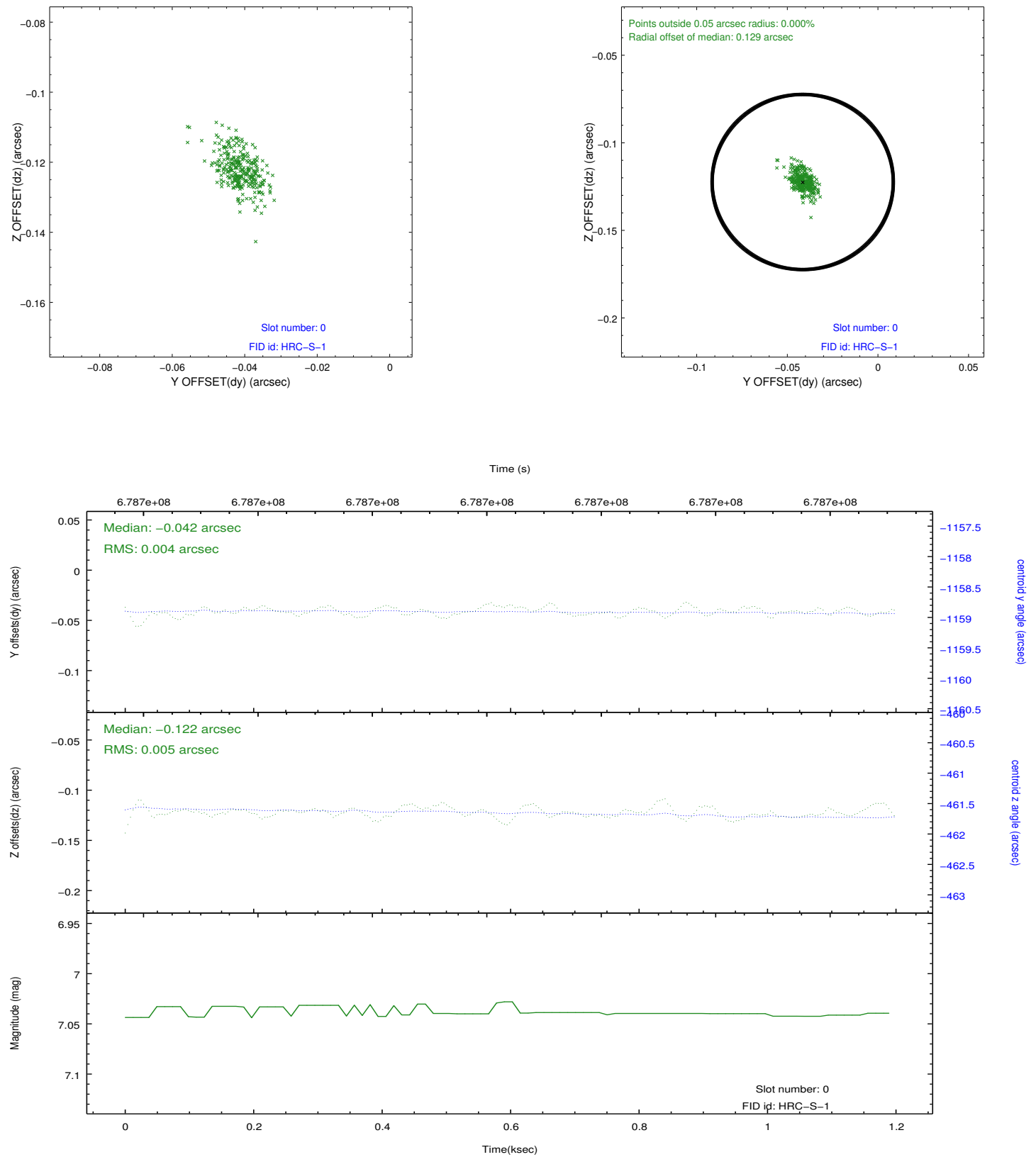


2.4.5 Slot 7

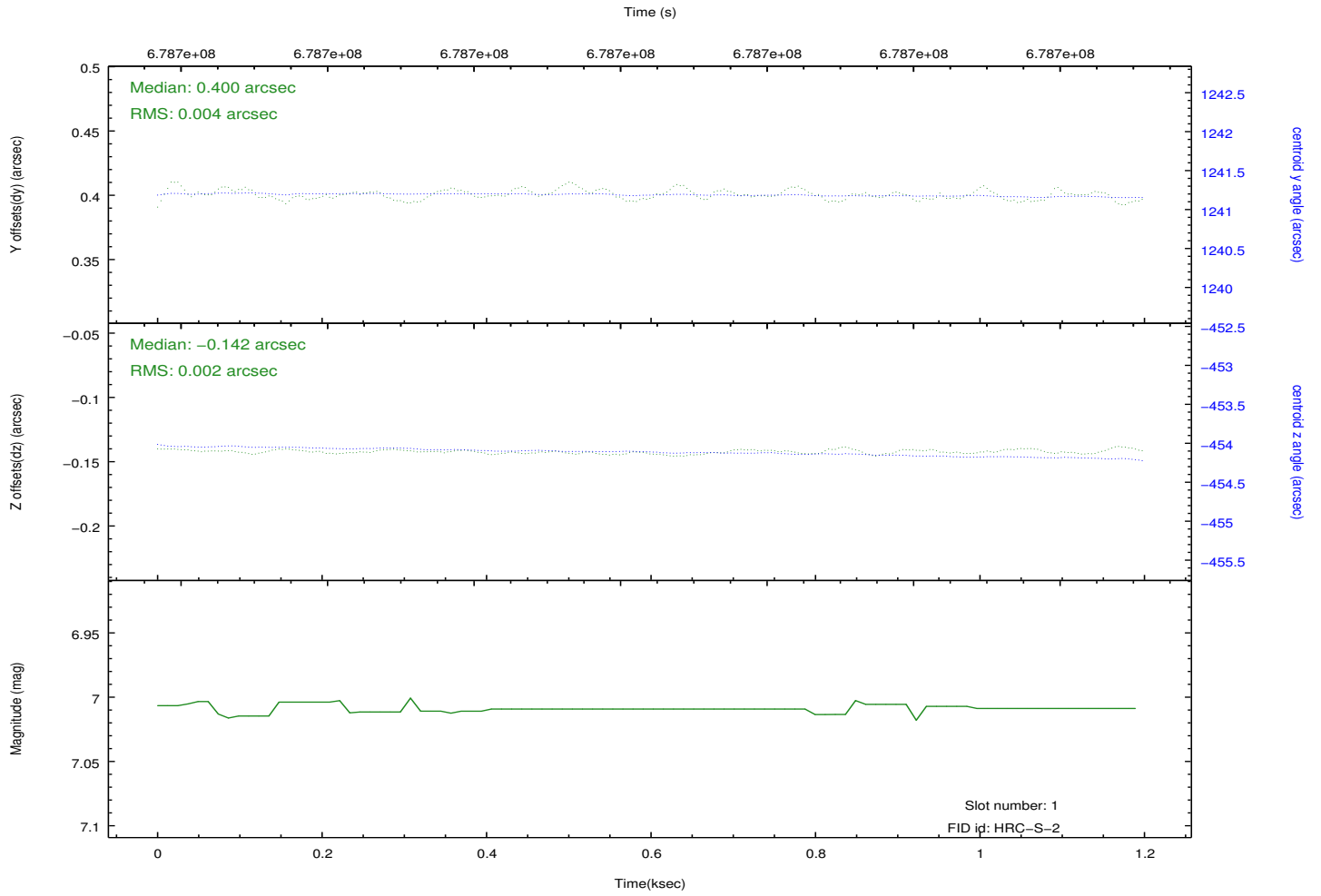
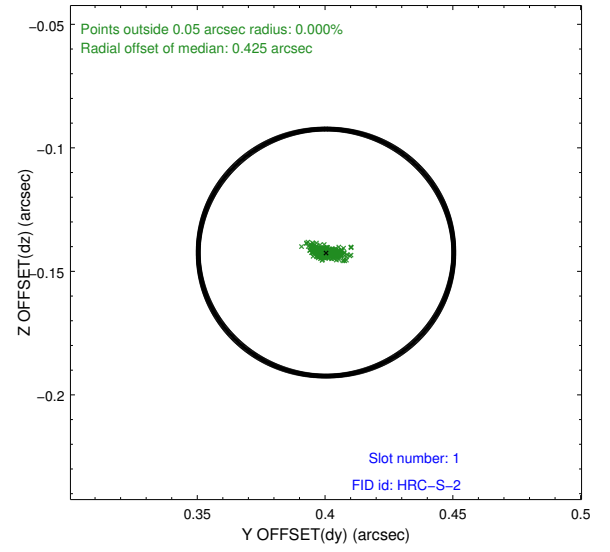
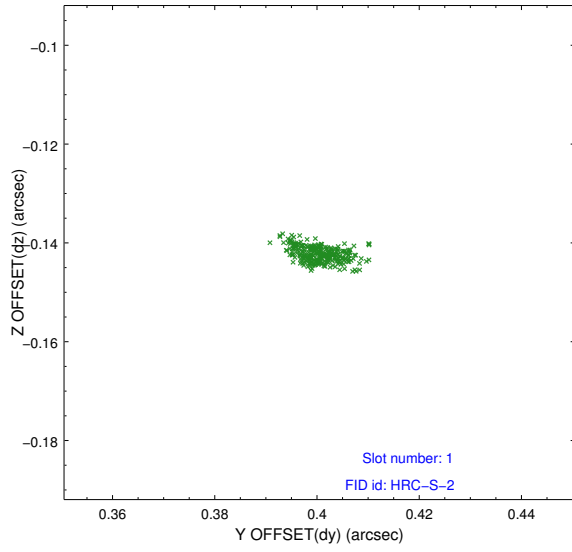


2.5 FID Slots

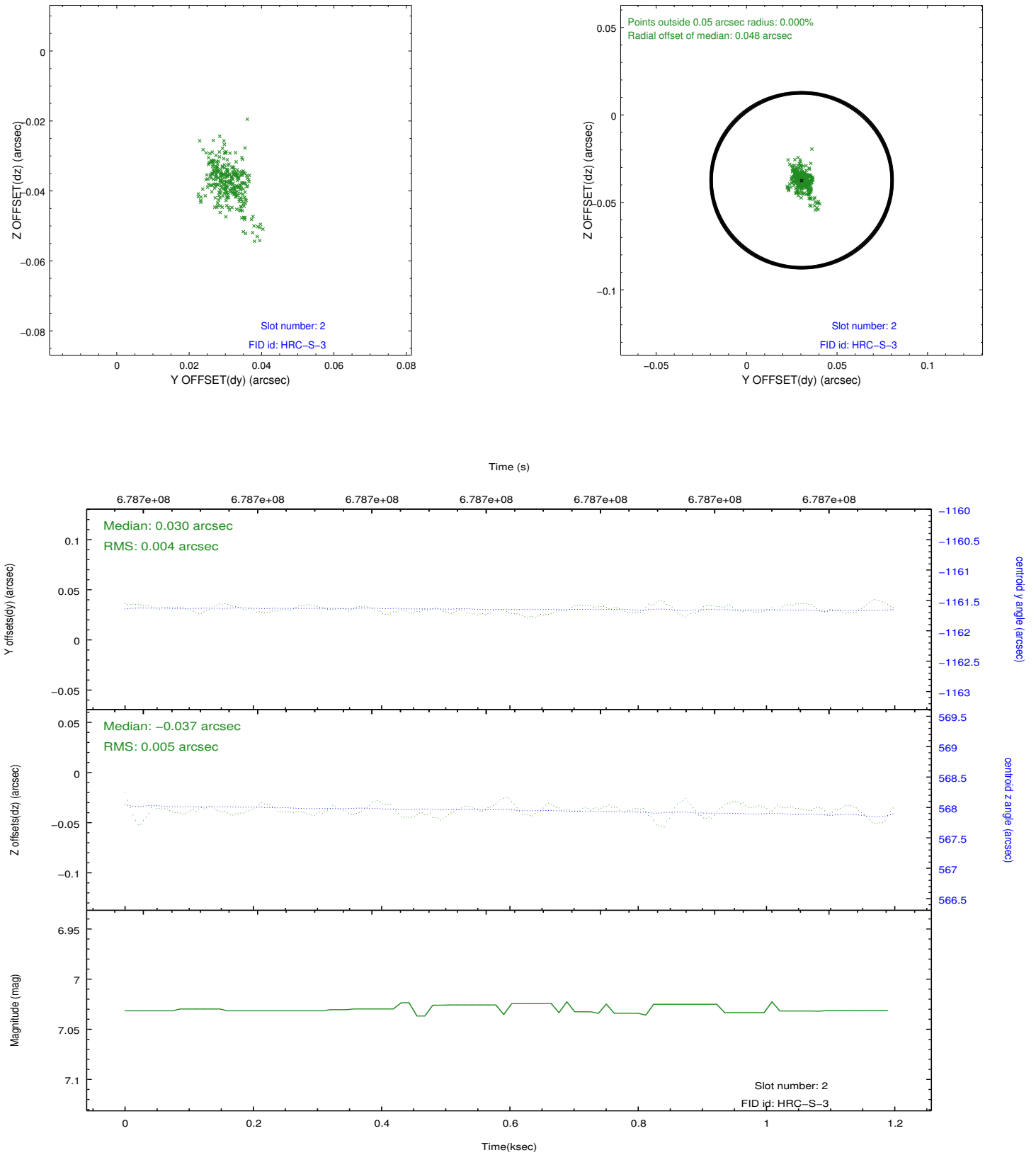
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1964313219786

A.2 Comments

Window preference met.