

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21738 - L2 Version 1
Chandra X-Ray Center

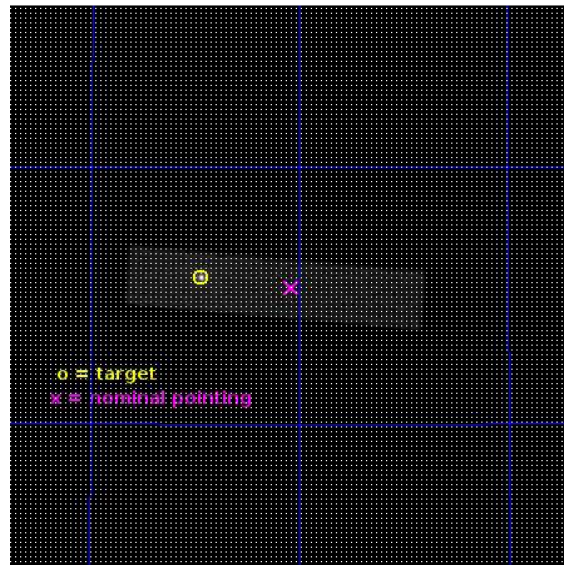
L2 Processing Date : Jul 5 2019

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1 Front

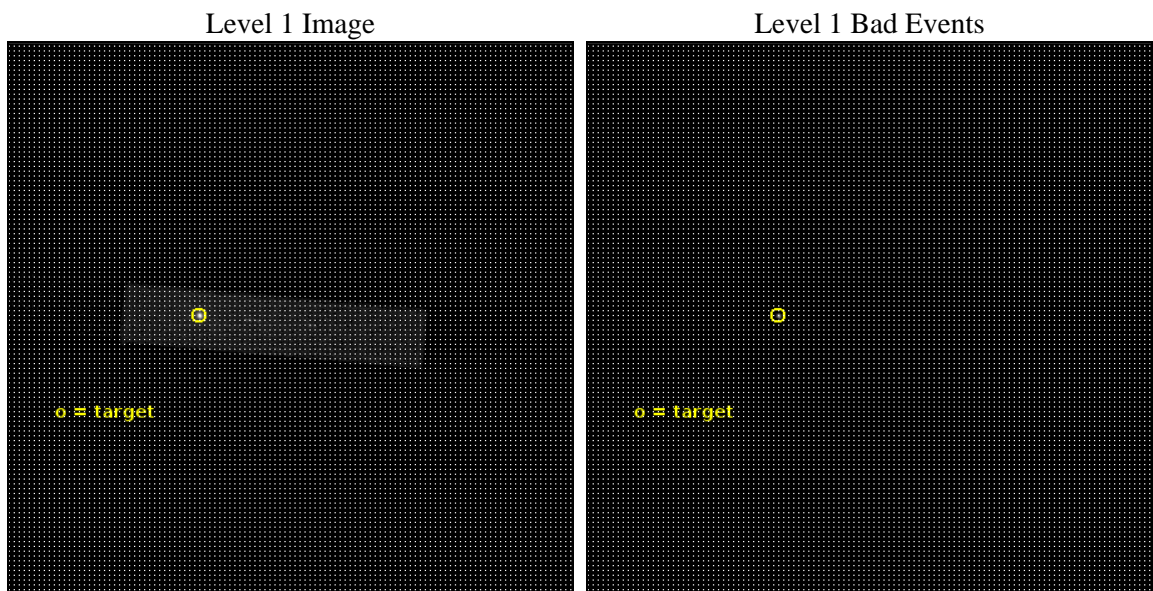
seq_num	291424	Sequence number
obs_id	21738	Observation id
title	AO-20 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.236347	Observer's specified target RA [deg]
dec_targ	38.785478	Observer's specified target Dec [deg]
ra_nom	279.0189691296	Nominal RA [deg]
dec_nom	38.765612956229	Nominal Dec [deg]
roll_nom	185.127416665	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1190.2813216448	[s]
livetime	1056.8317977589	Ontime multiplied by DTCOR
l2events	206891	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	1190.2813216448	[s]
caldsver	4.8.3.1	 	l1events	267986	Number of level 1 events
date	2019-07-05T13:25:04	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

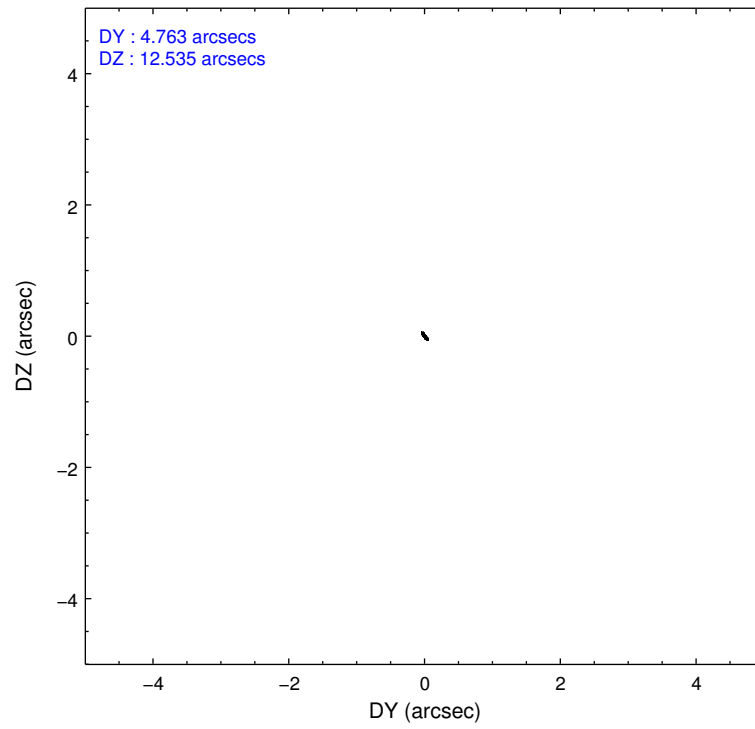
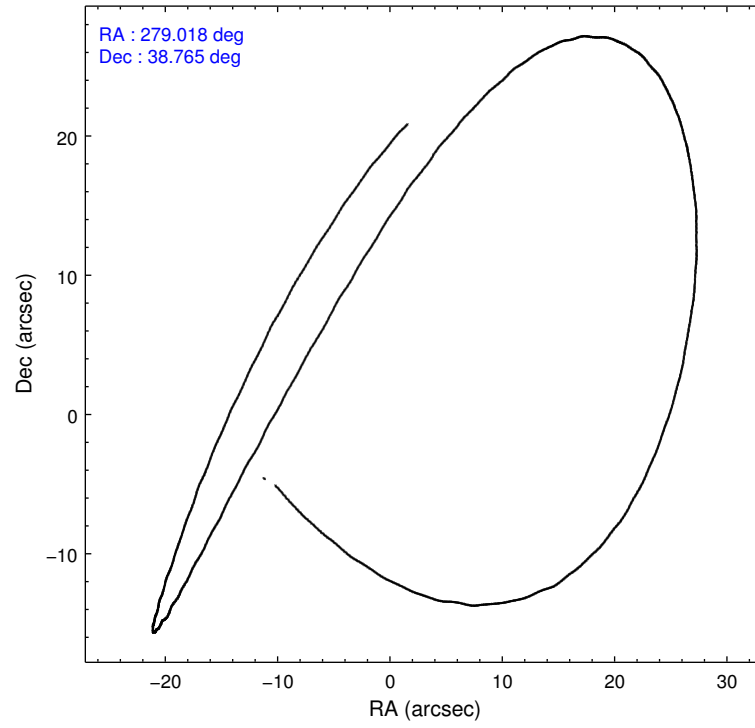
	segment 1	segment 2	segment 3
level 1 events	7608	259593	785
rejected events	7608	40117	785
rejected %	100%	15%	100%

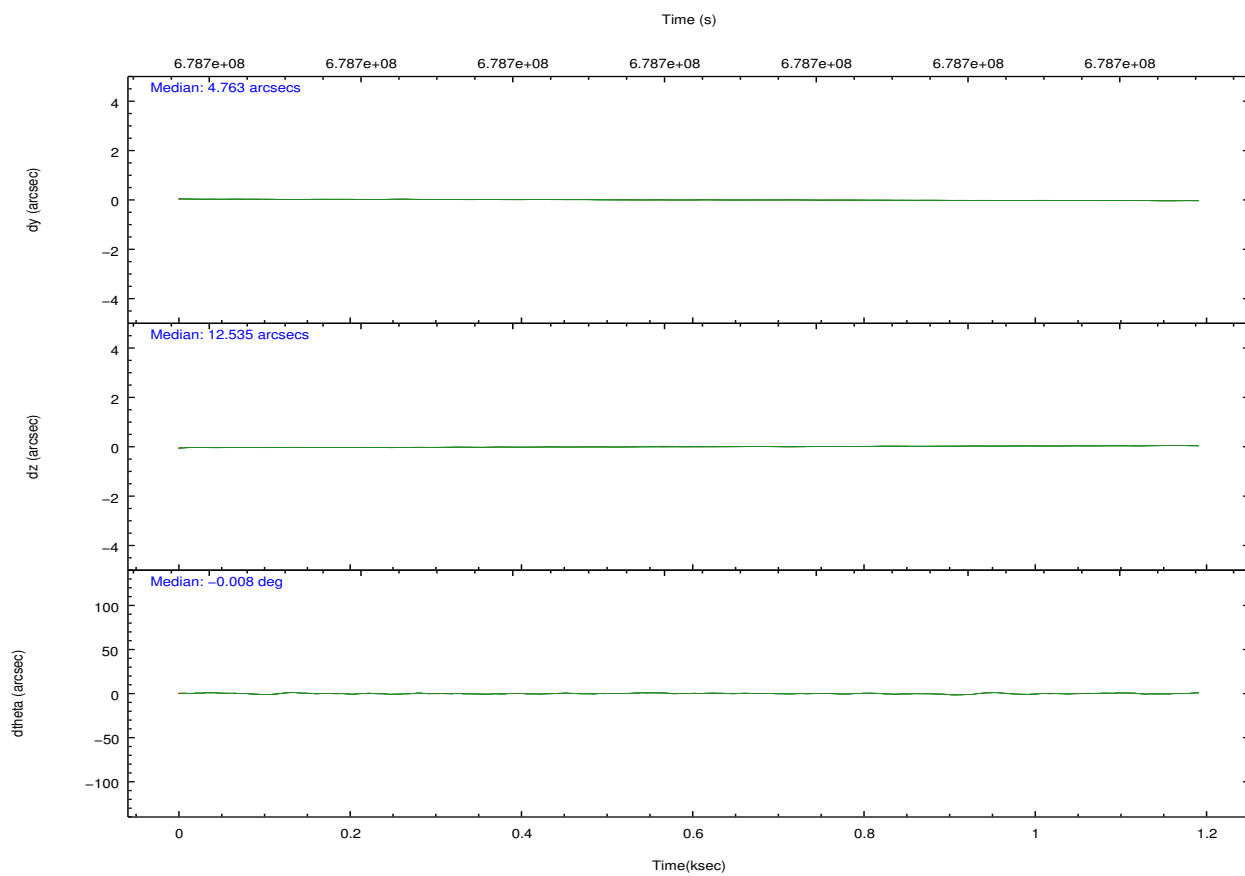
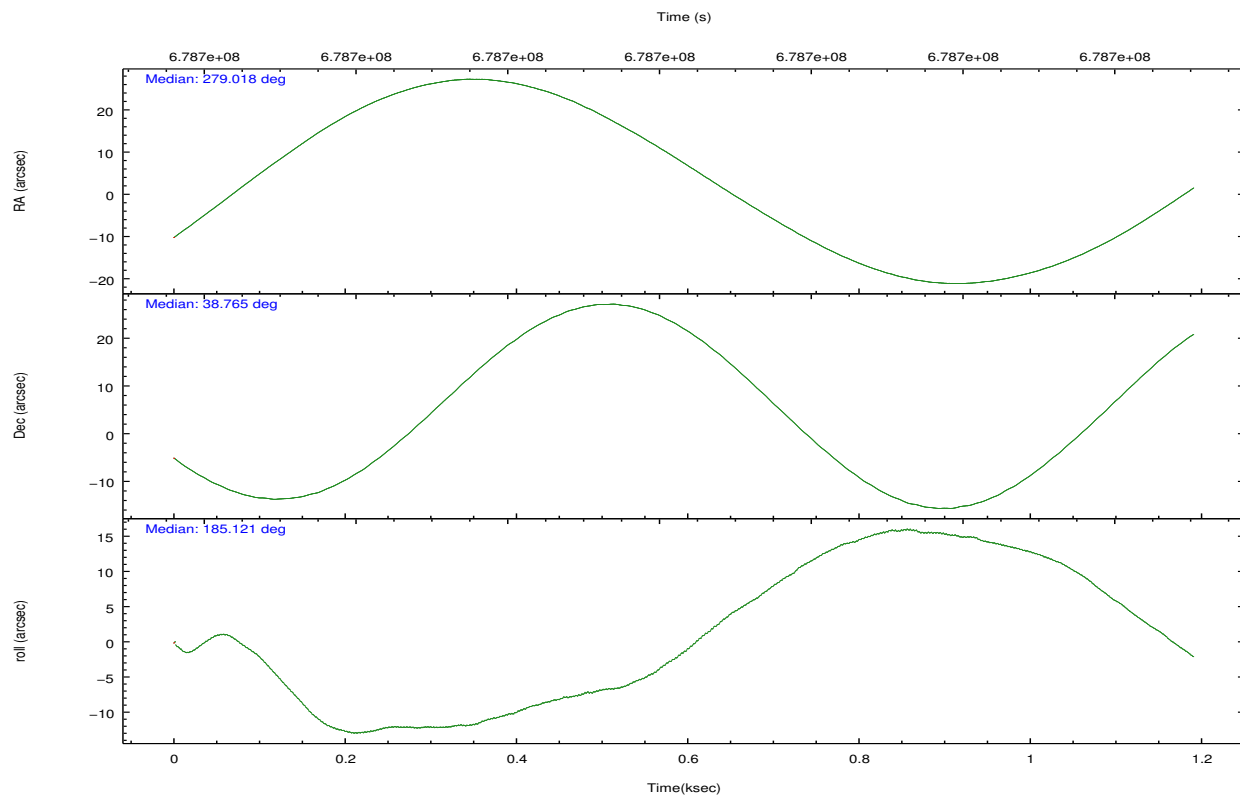
2.2 Compared Parameters

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	279.048258	279.0189691295968
[deg] Pointing Dec	38.784255	38.76561295622894
[deg] Pointing Roll	185.041744	185.1274166649979
[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)	678698818.184000	678698441.98287
Observation start date	2019-07-05T07:25:49	2019-07-05T07:20:41
[s] Observation end time (MET)	678699818.184000	678699951.80796
Observation end date	2019-07-05T07:42:29	2019-07-05T07:45:51

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

2.3 Aspect



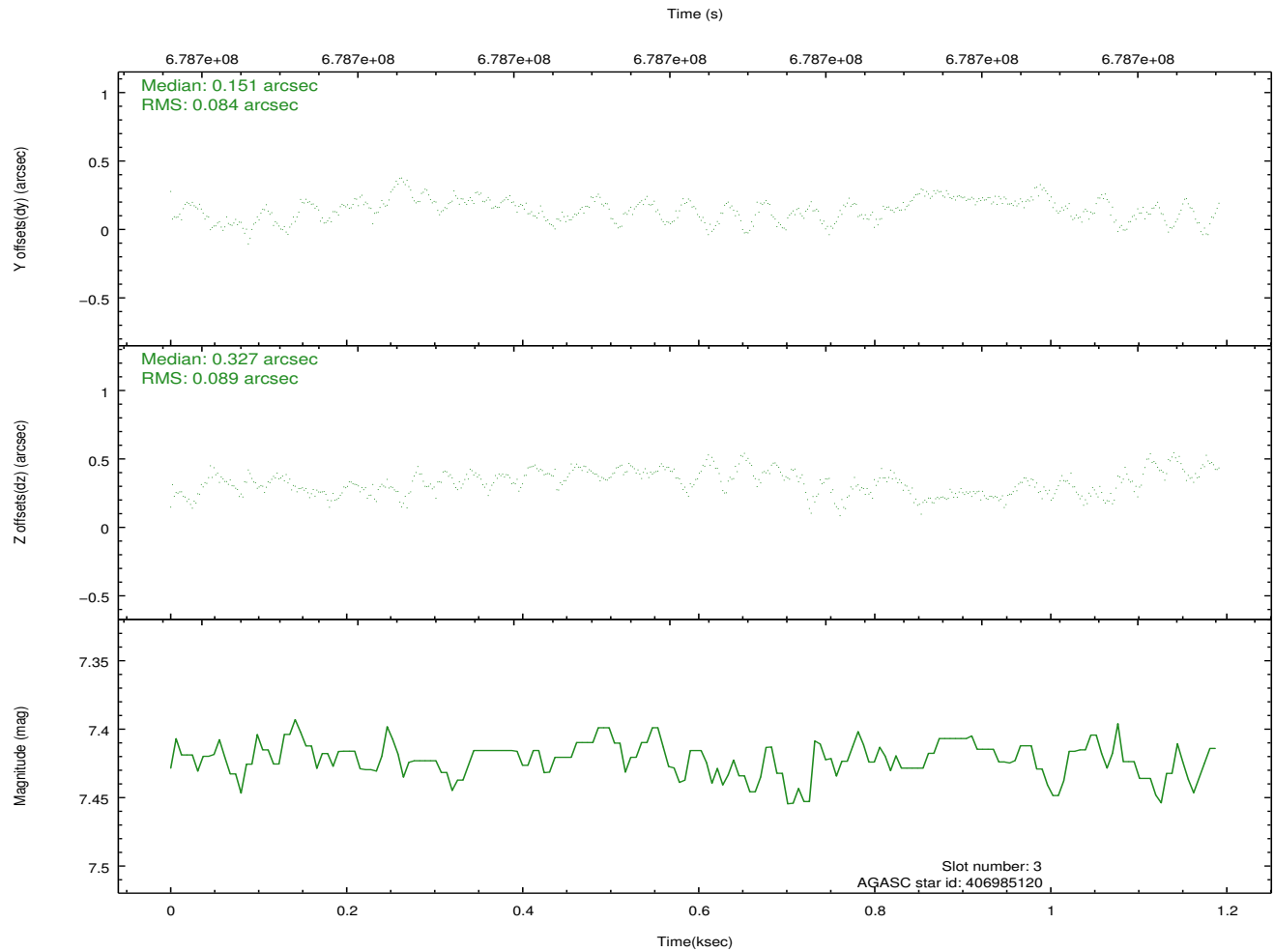
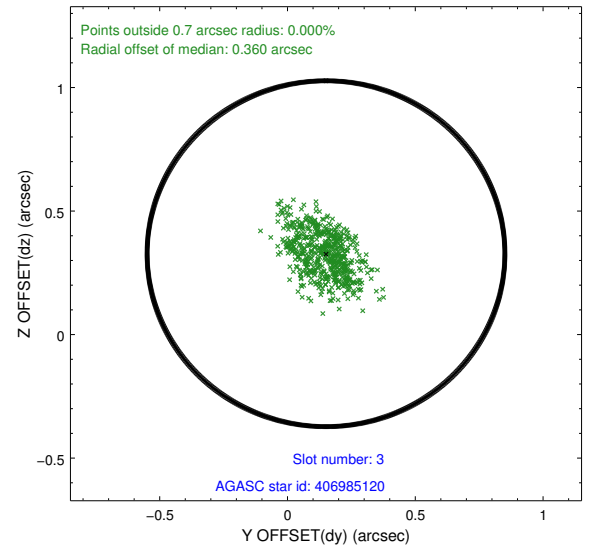
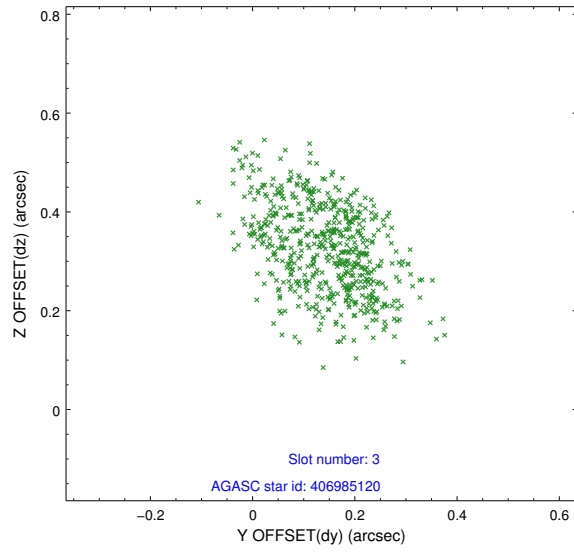


Slot Statistics

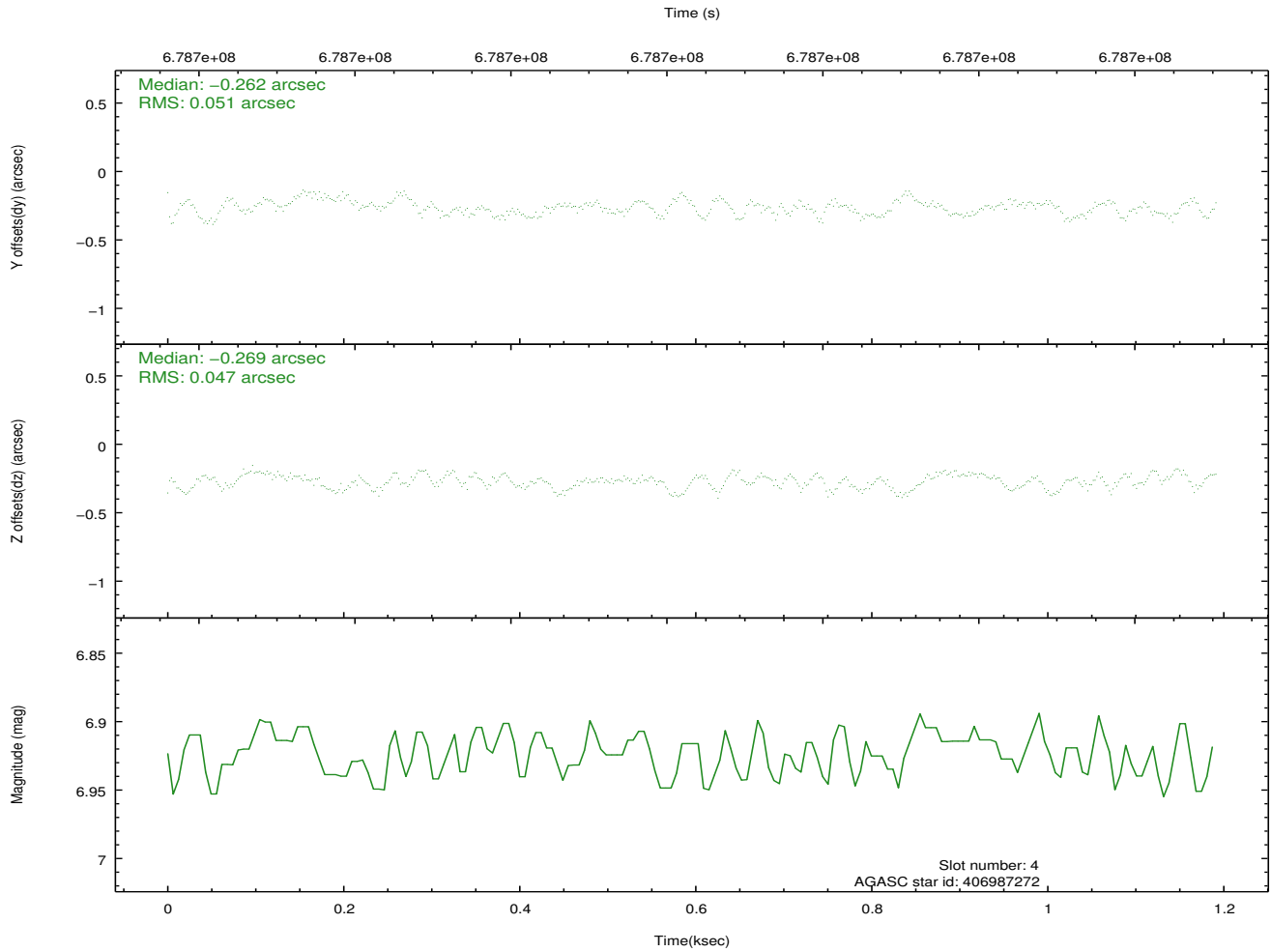
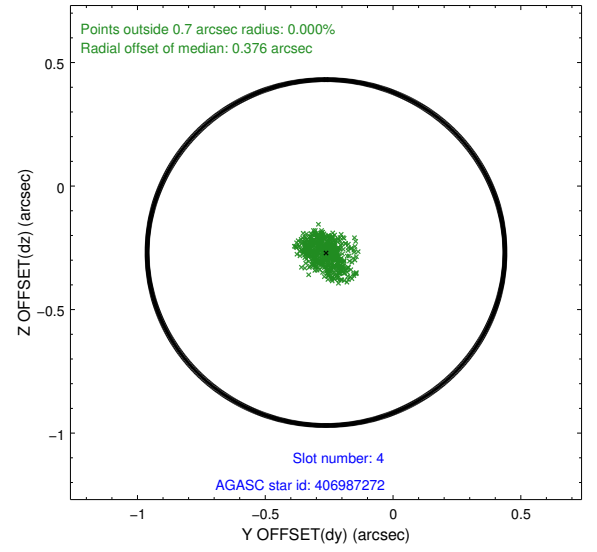
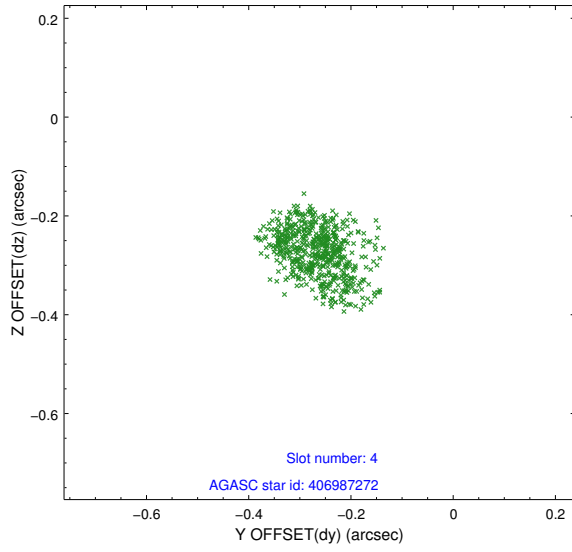
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.04	291	1.000	-0.052	-0.118	0.007	0.012	0.000000	0.000000	-1158.96	-461
1	FID		HRC-S-2	7.01	291	1.000	0.409	-0.141	0.004	0.008	0.000000	0.000000	1237.17	-455
2	FID		HRC-S-3	7.03	291	1.000	0.034	-0.043	0.006	0.014	0.000000	0.000000	-1157.43	566
3	GUIDE	used	406985120	7.42	582	1.000	0.151	0.327	0.130	0.204	278.839732	38.894839	547.12	-451
4	GUIDE	used	406987272	6.92	582	1.000	-0.262	-0.269	0.076	0.116	278.536588	38.437504	1547.48	1107
5	GUIDE	used	406987384	8.92	582	1.000	-0.115	-0.251	0.108	0.179	278.815518	38.115336	870.40	2338
6	GUIDE	used	406989616	8.22	582	1.000	0.059	0.140	0.111	0.185	279.202881	38.520843	-349.06	983
7	GUIDE	used	406990192	8.96	581	1.000	0.166	0.053	0.160	0.256	278.510952	38.533654	1585.47	759

2.4 Star Slots

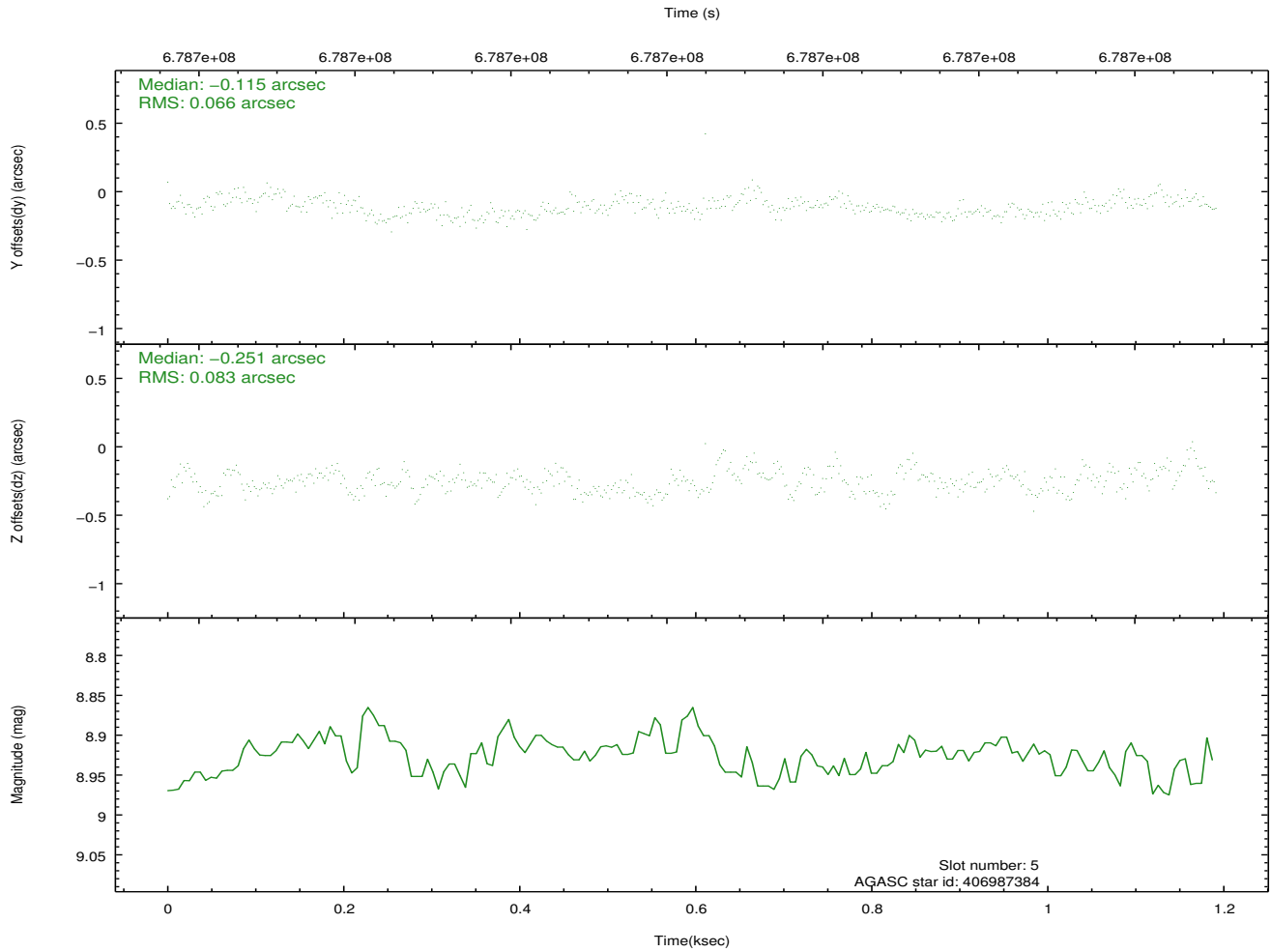
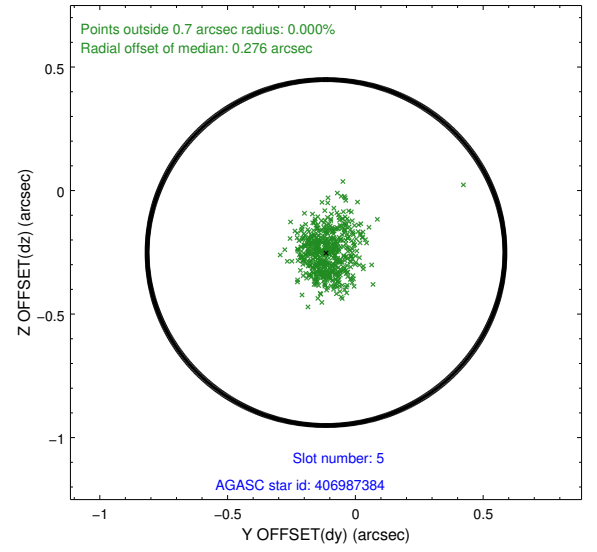
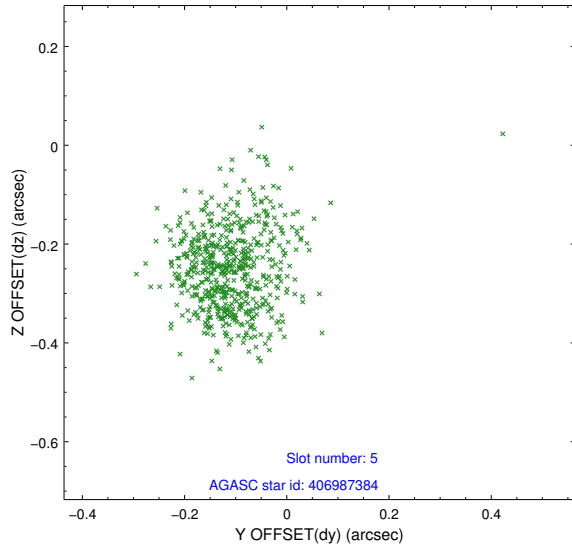
2.4.1 Slot 3



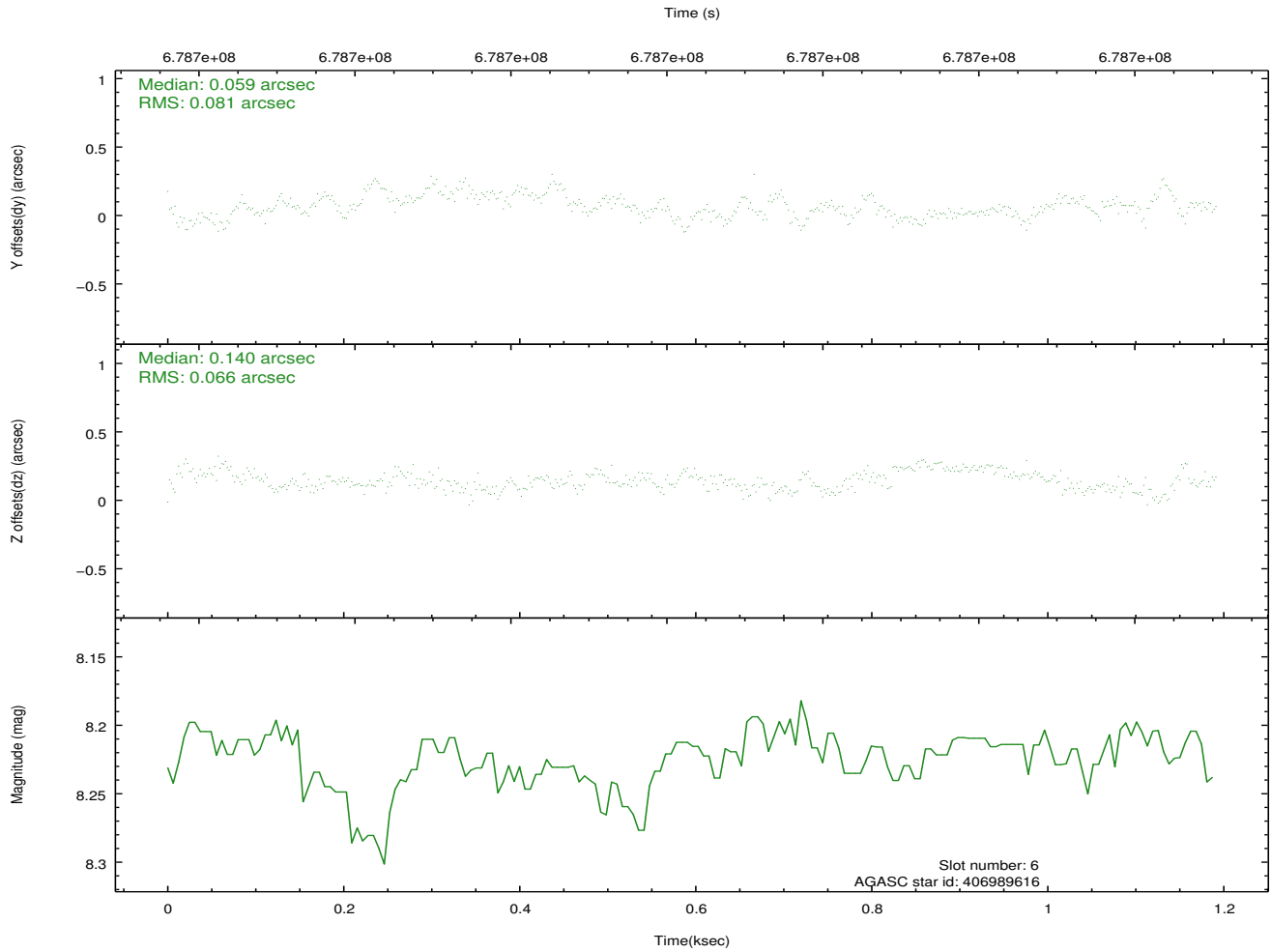
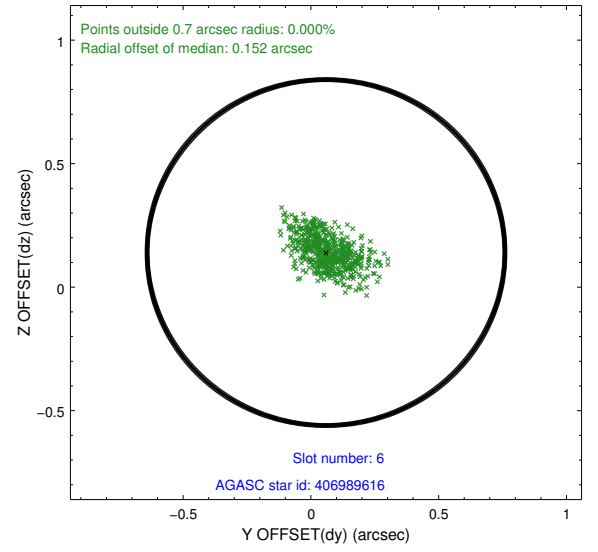
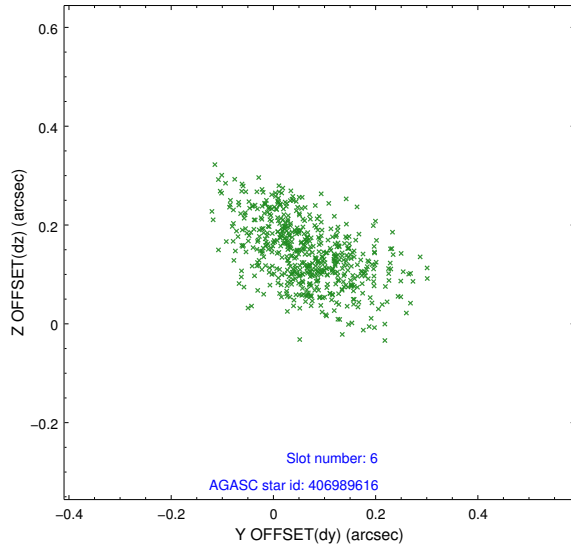
2.4.2 Slot 4



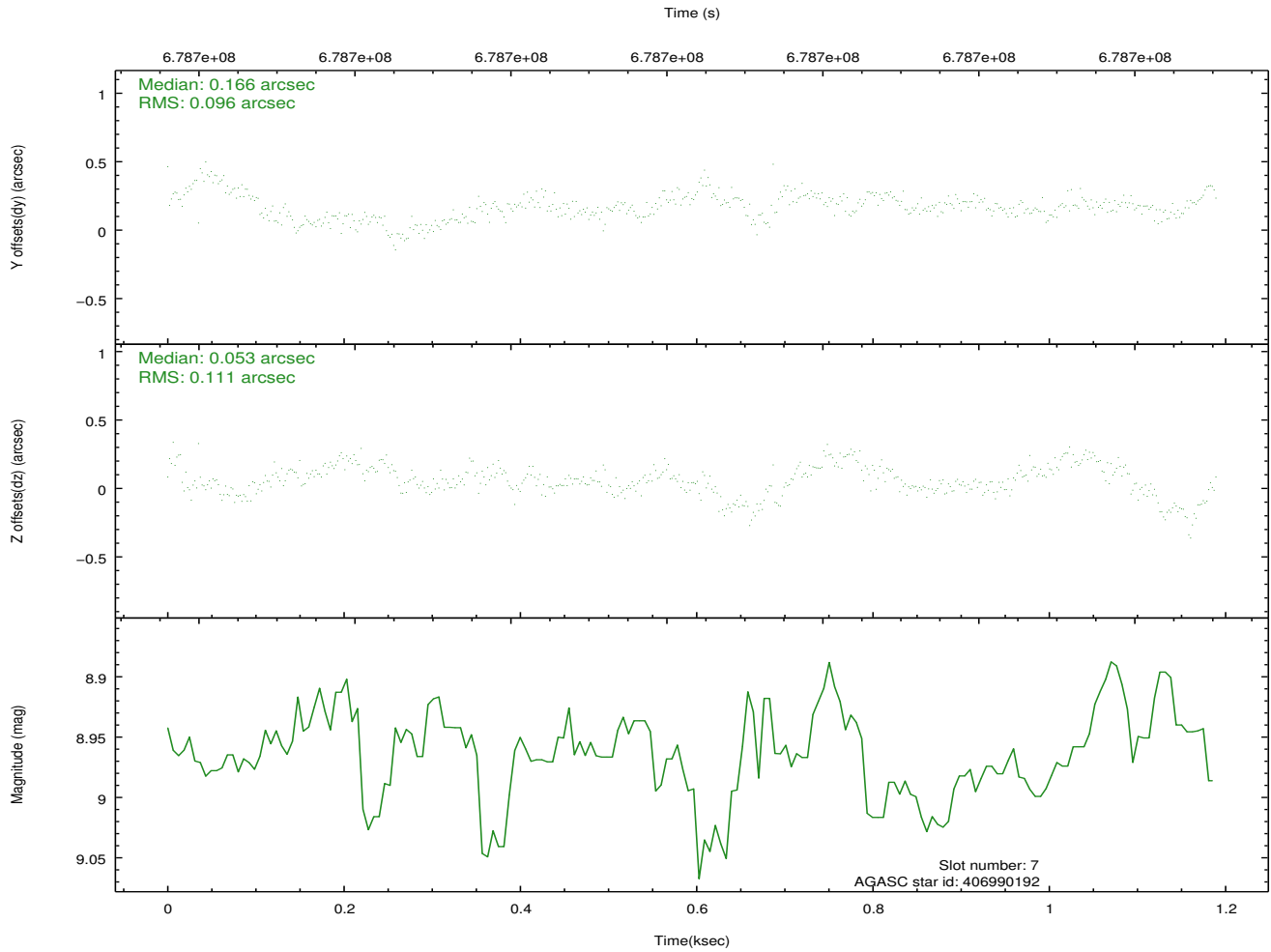
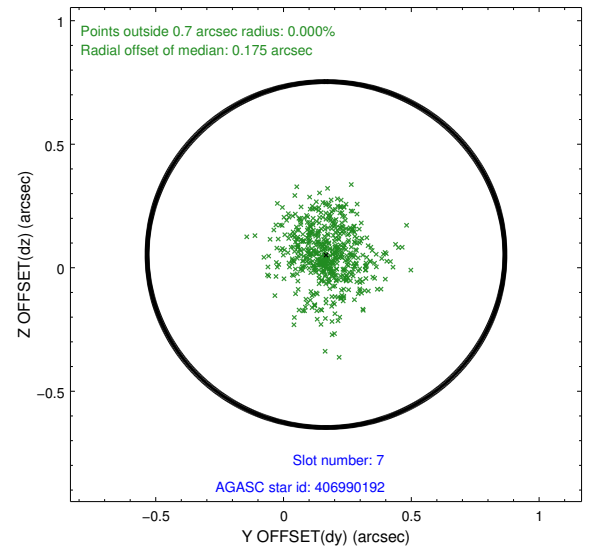
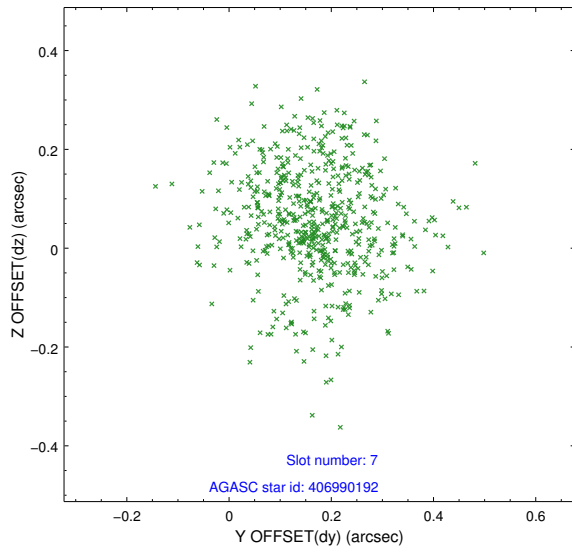
2.4.3 Slot 5



2.4.4 Slot 6

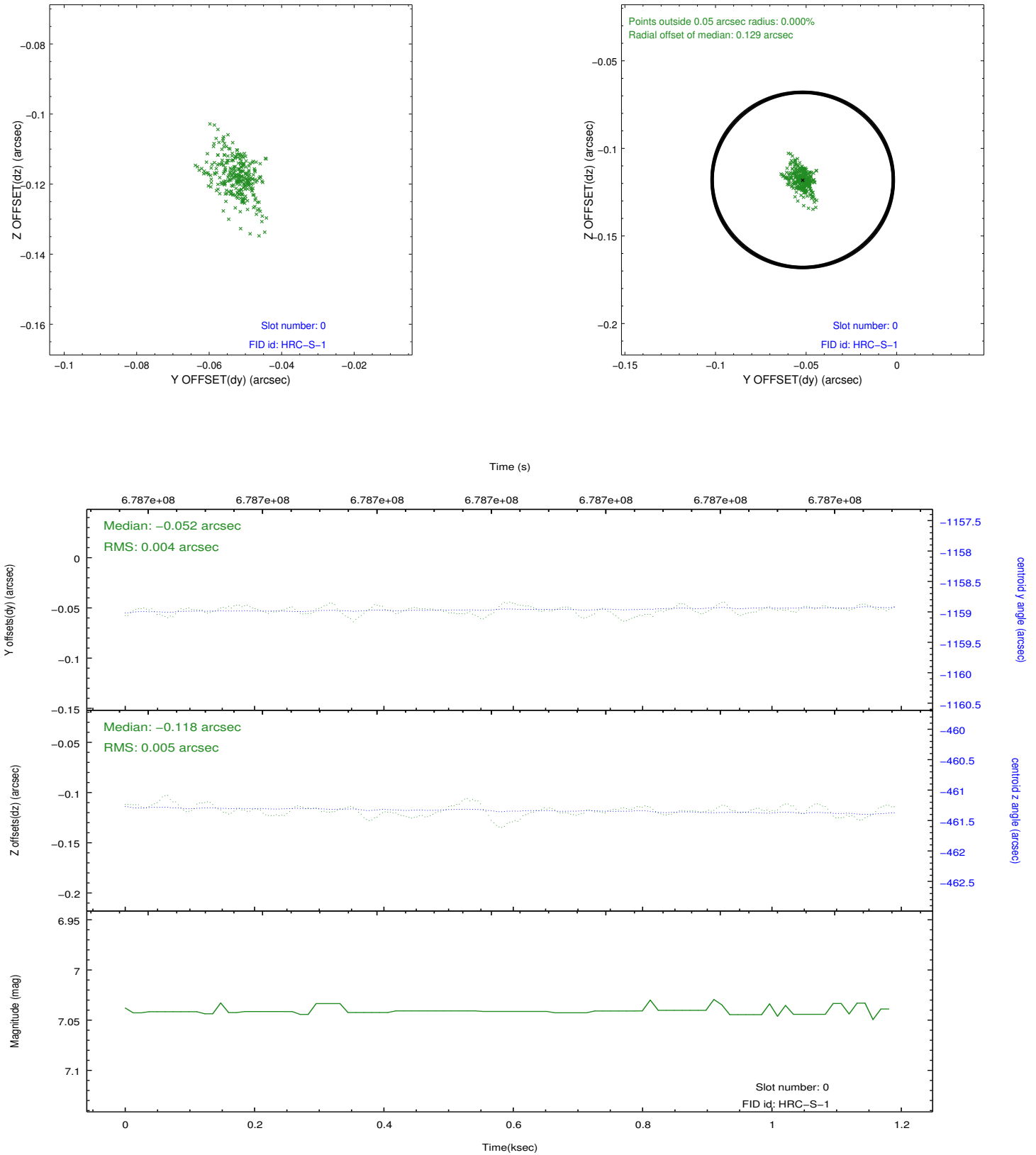


2.4.5 Slot 7

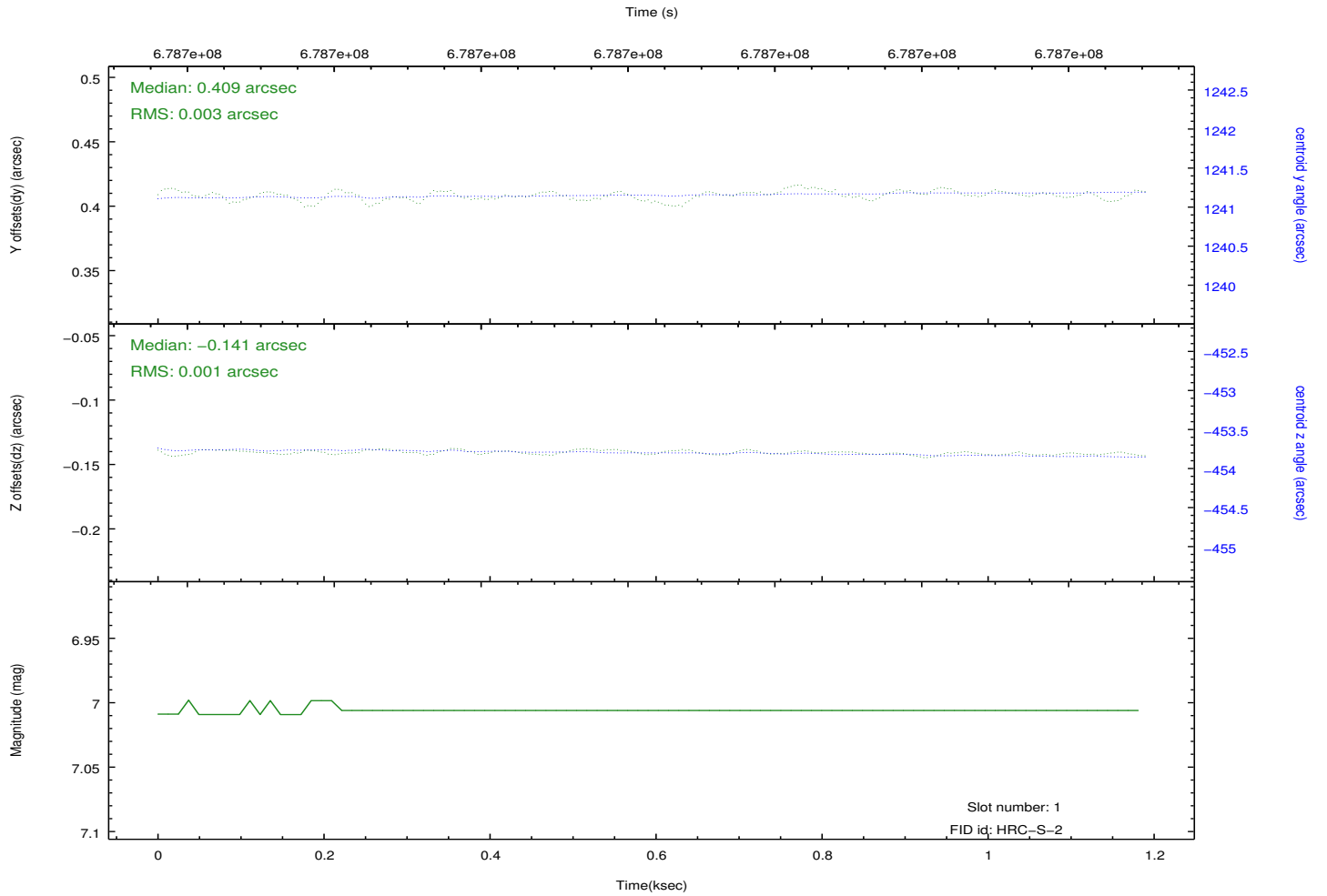
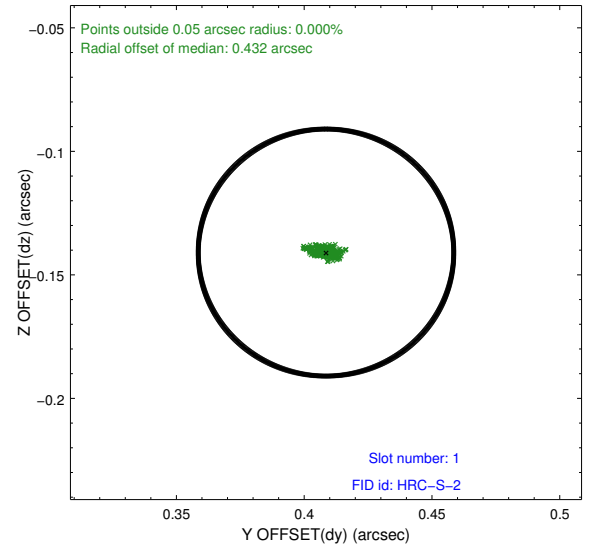
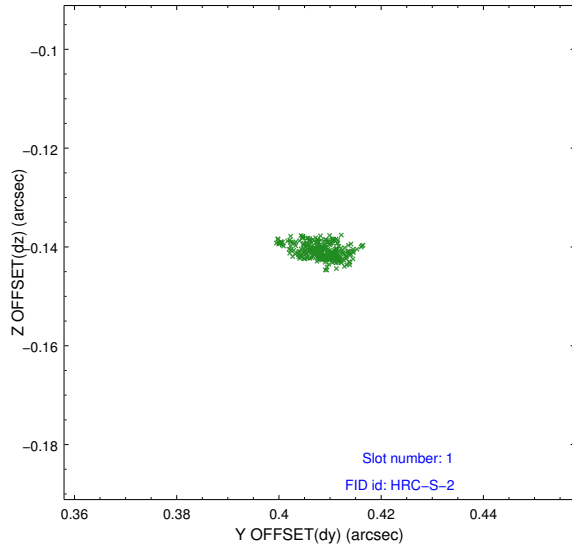


2.5 FID Slots

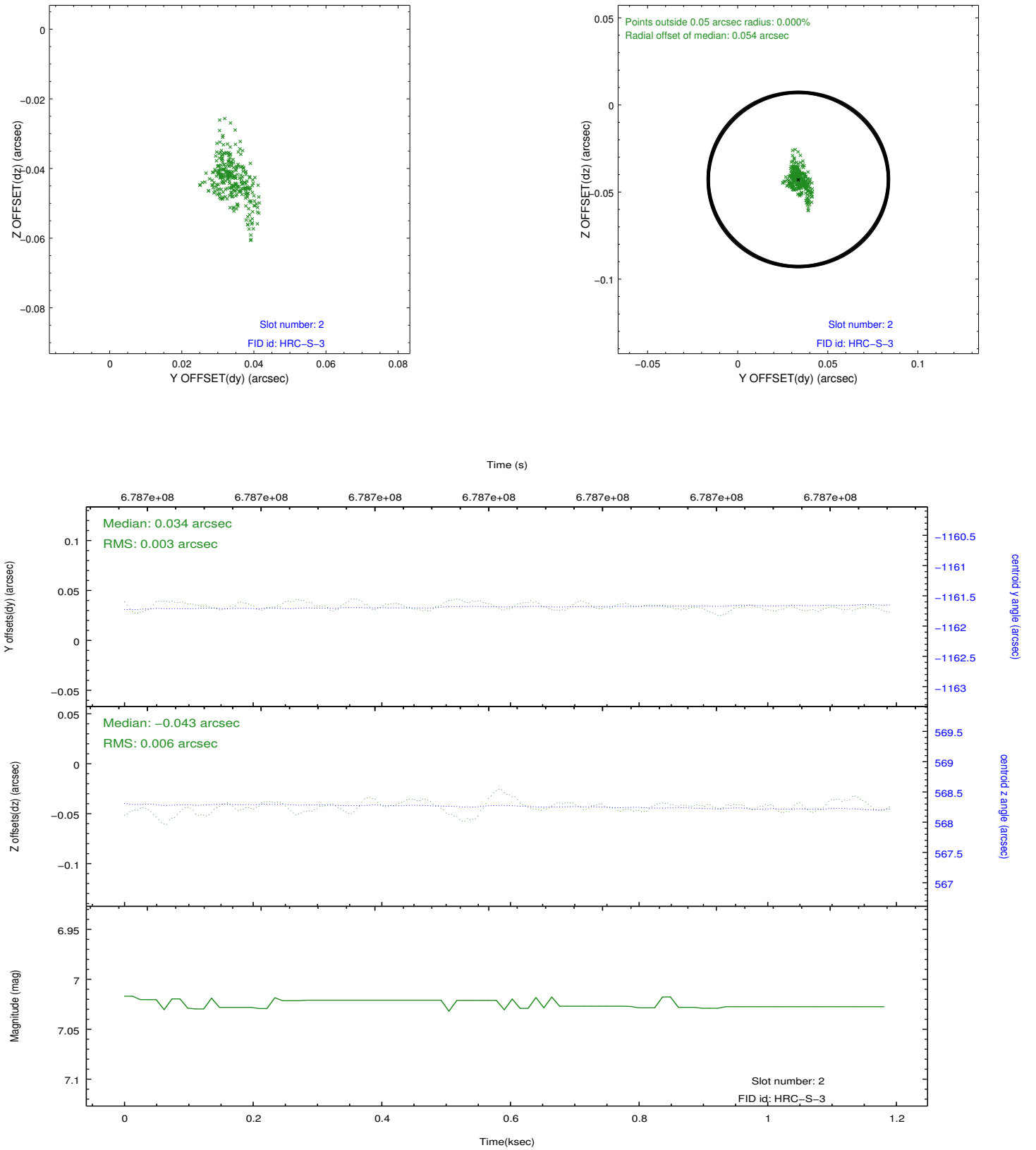
2.5.1 Slot 0



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	1.1902813216448

A.2 Comments

Window preference met.