

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16402 - L2 Version 1
Chandra X-Ray Center

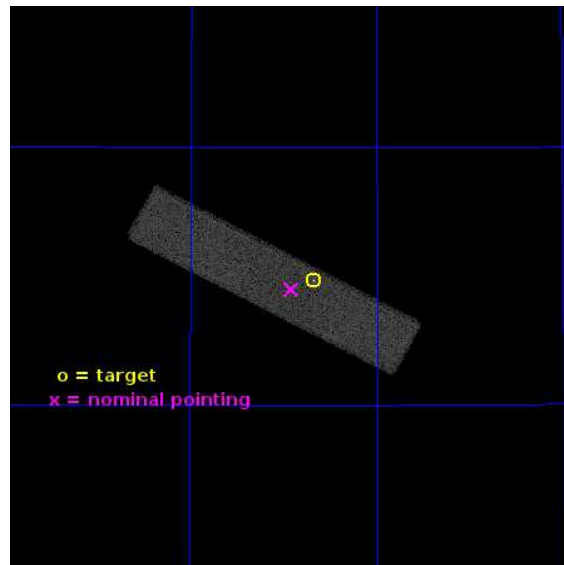
L2 Processing Date : Sep 16 2014

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1 Front

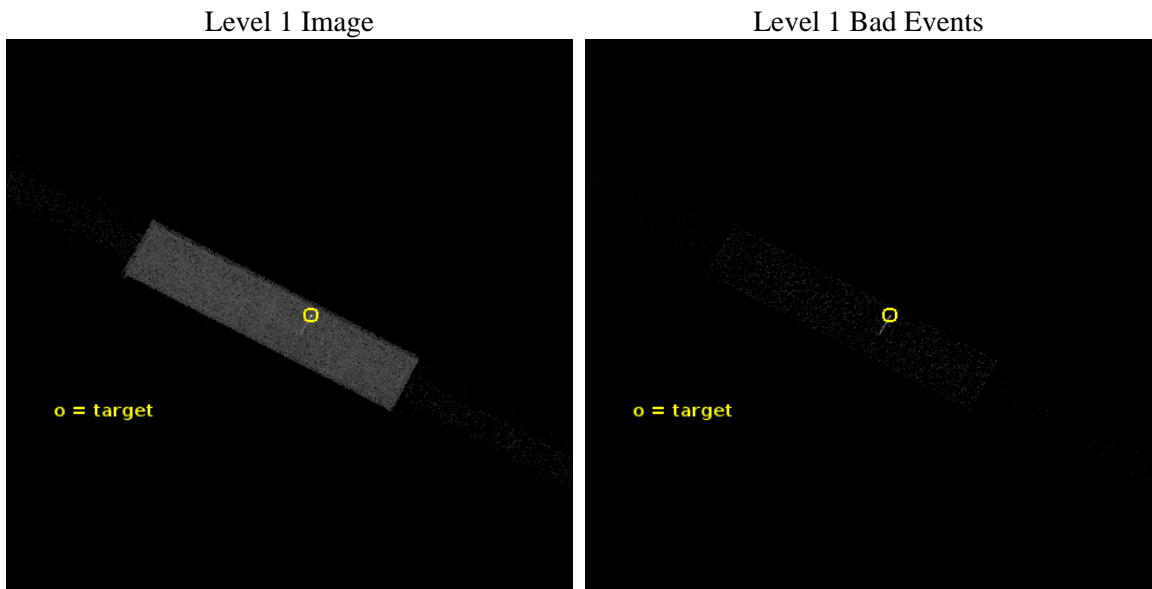
seq_num	291174	Sequence number
obs_id	16402	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22862470106	Nominal RA [deg]
dec_nom	45.725268090137	Nominal Dec [deg]
roll_nom	208.08562967367	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1161.5813145041	[s]
livetime	1154.0521225775	Ontime multiplied by DTCOR
l2events	55496	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	10.2.4	Processing system revision	ontime	1161.5813145041	[s]
caldsver	4.6.3	 	l1events	85109	Number of level 1 events
date	2014-09-17T03:28:21	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

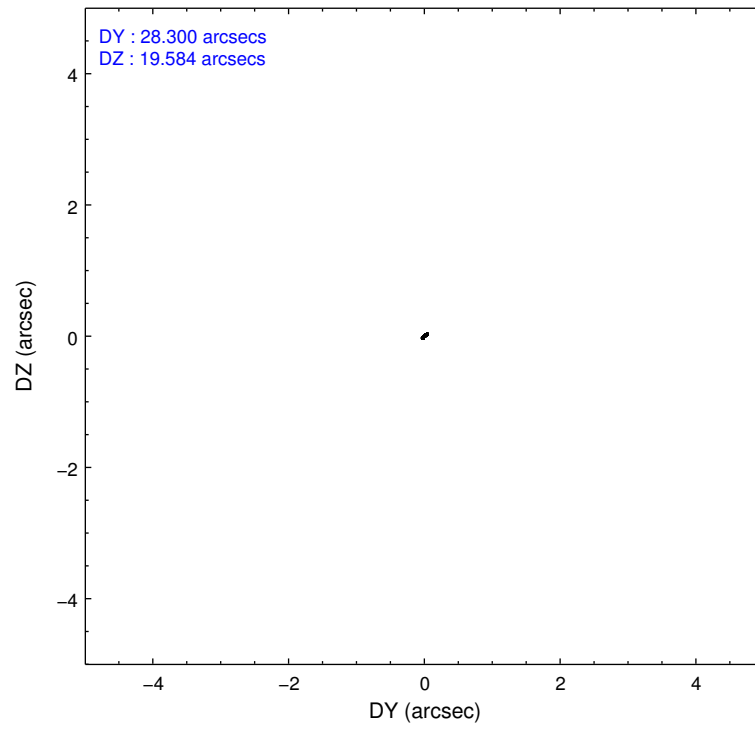
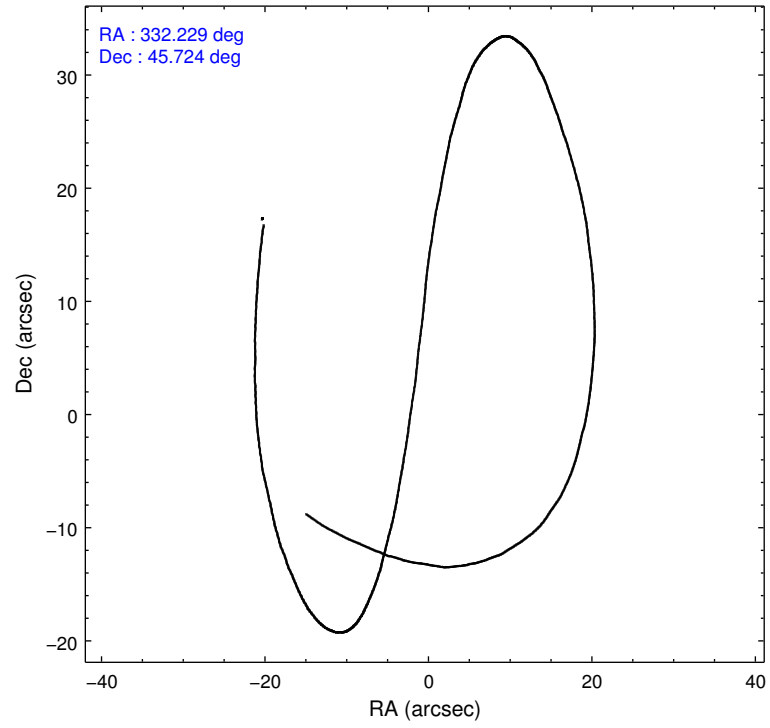
	segment 1	segment 2	segment 3
level 1 events	873	83400	836
rejected events	873	18166	817
rejected %	100%	21%	97%

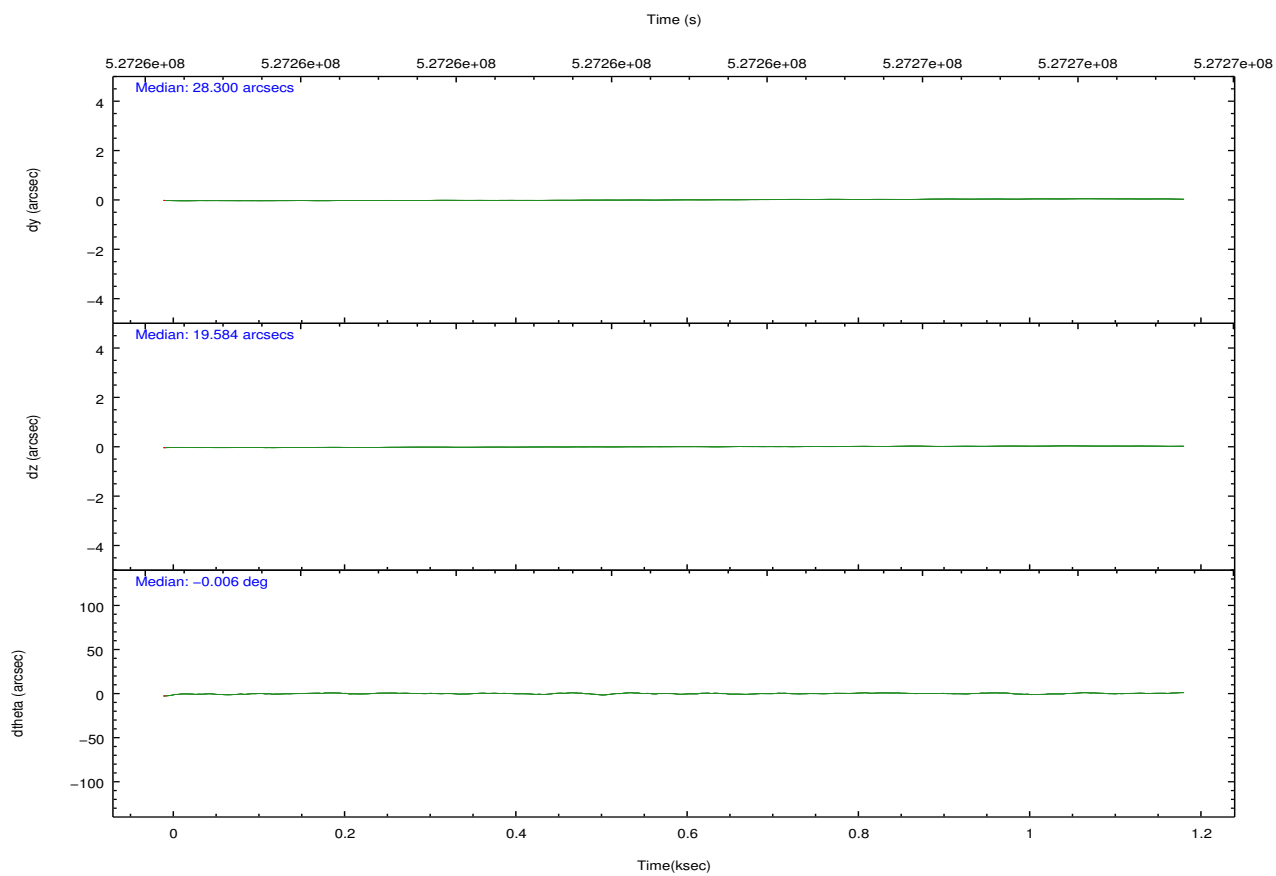
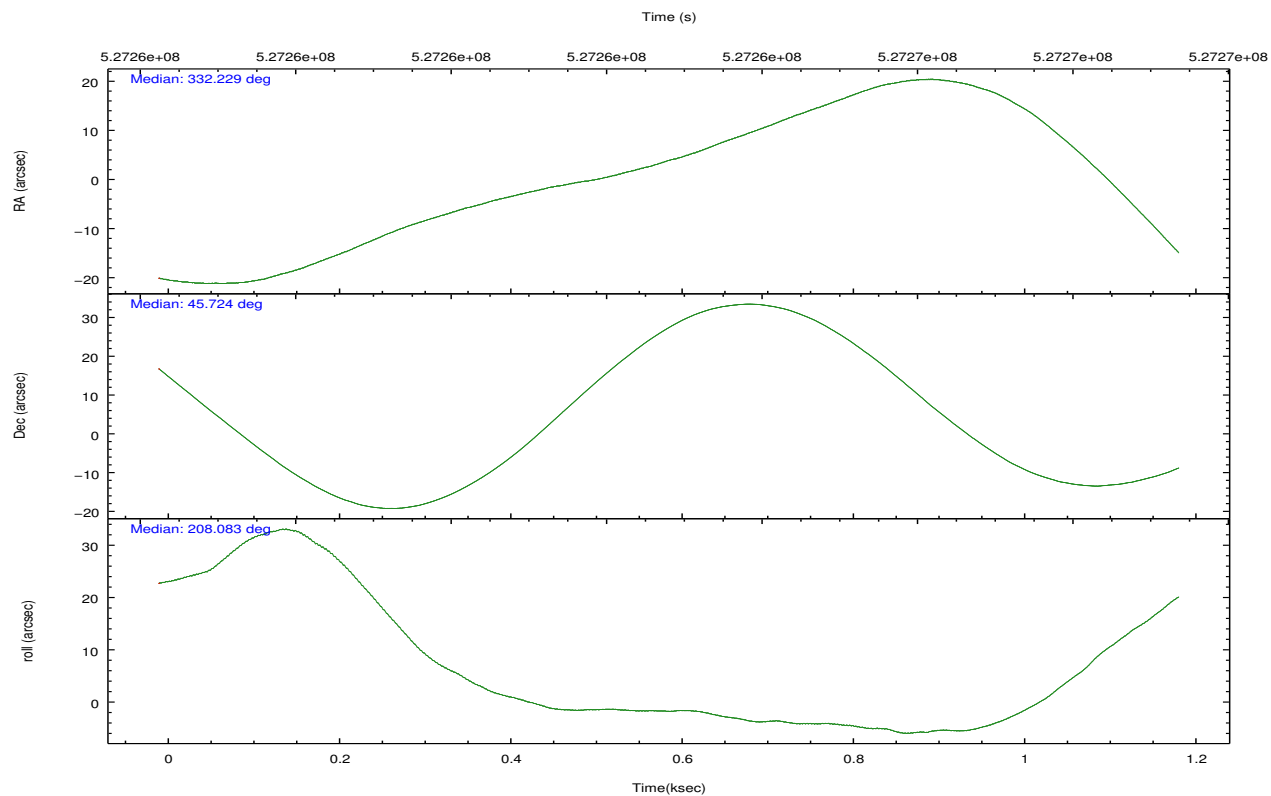
2.2 Compared Parameters

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	332.248510	332.2286247010632
[deg] Pointing Dec	45.751462	45.72526809013695
[deg] Pointing Roll	208.004083	208.0856296736699
[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)	527264468.184000	527264091.91544
Observation start date	2014-09-16T14:20:01	2014-09-16T14:14:51
[s] Observation end time (MET)	527265468.184000	527265601.74052
Observation end date	2014-09-16T14:36:41	2014-09-16T14:40:01

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

2.3 Aspect



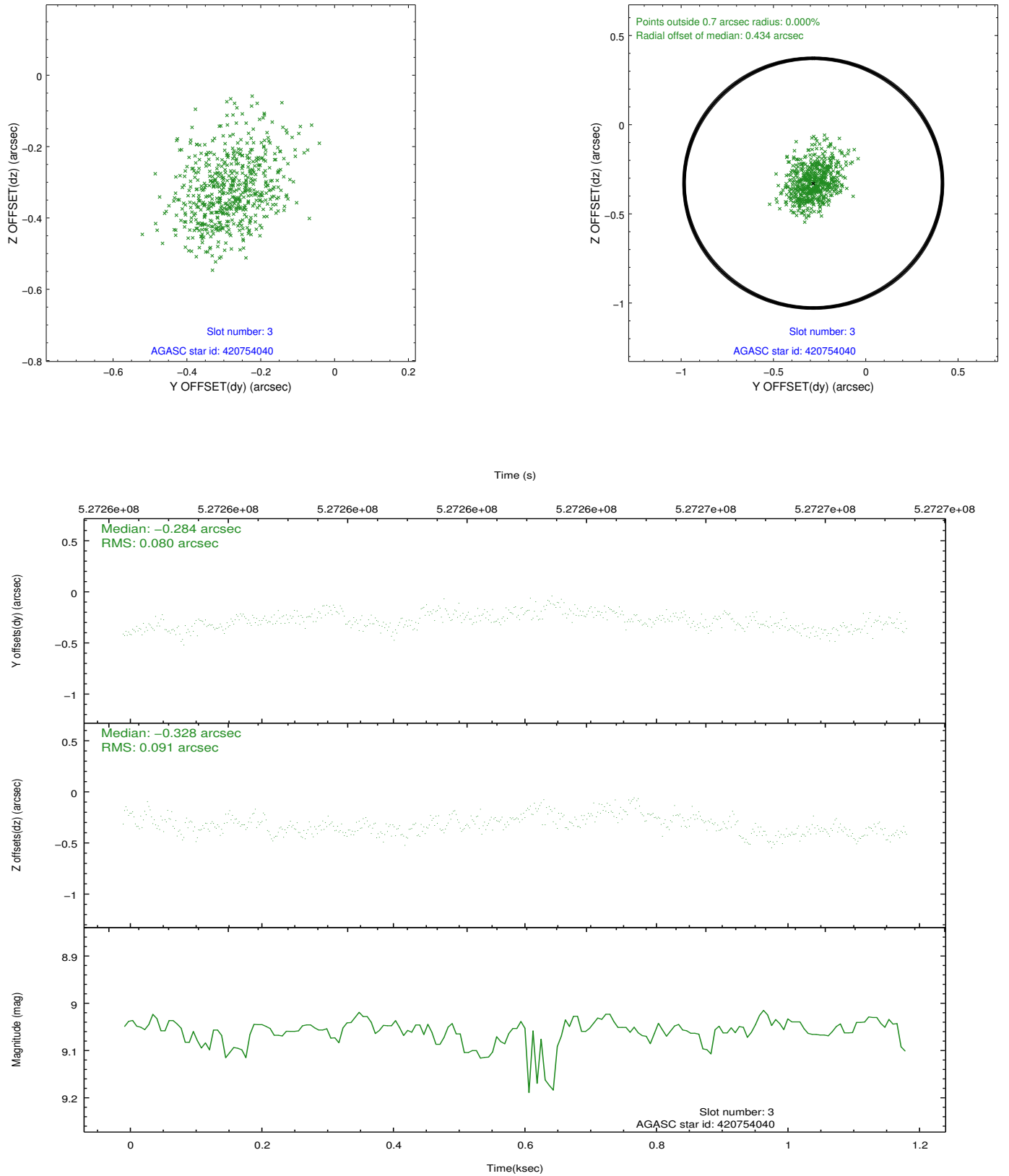


Slot Statistics

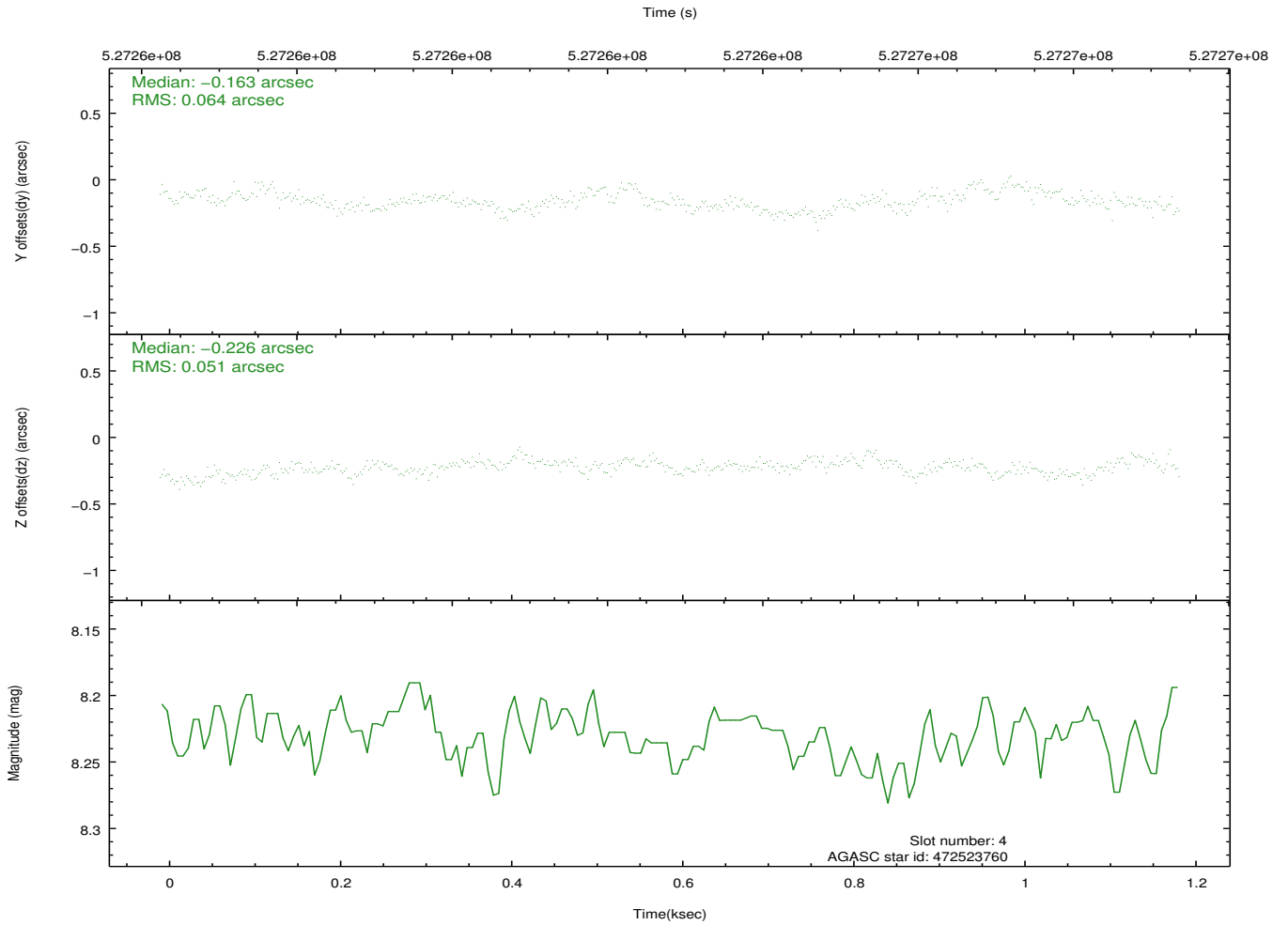
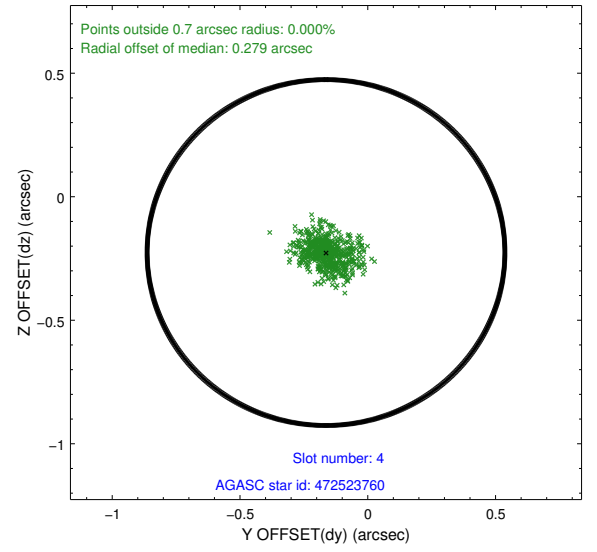
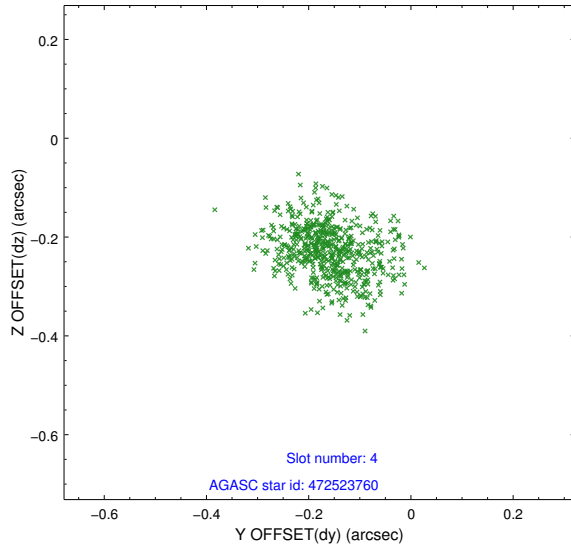
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.08	291	0.005	-0.214	0.007	0.011	0.000000	0.000000	-1183.10	-468.73
1	FID	HRC-S-2	7.03	291	0.339	-0.136	0.004	0.009	0.000000	0.000000	1212.82	-462.78
2	FID	HRC-S-3	7.07	291	0.045	0.048	0.006	0.011	0.000000	0.000000	-1181.67	559.46
3	GUIDE	420754040	9.06	582	-0.284	-0.328	0.126	0.220	331.917939	44.882543	2209.69	2361.23
4	GUIDE	472523760	8.23	582	-0.163	-0.226	0.089	0.142	331.645363	45.403260	1934.90	386.50
5	GUIDE	472663080	9.37	582	0.612	0.395	0.175	0.285	332.652741	46.473840	-2104.01	-1830.02
6	GUIDE	472665256	8.98	582	0.504	0.239	0.121	0.204	332.808125	46.195041	-1987.25	-765.67
7	GUIDE	472525528	6.65	581	-0.678	-0.108	0.093	0.145	331.551102	45.248694	2401.98	756.71

2.4 Star Slots

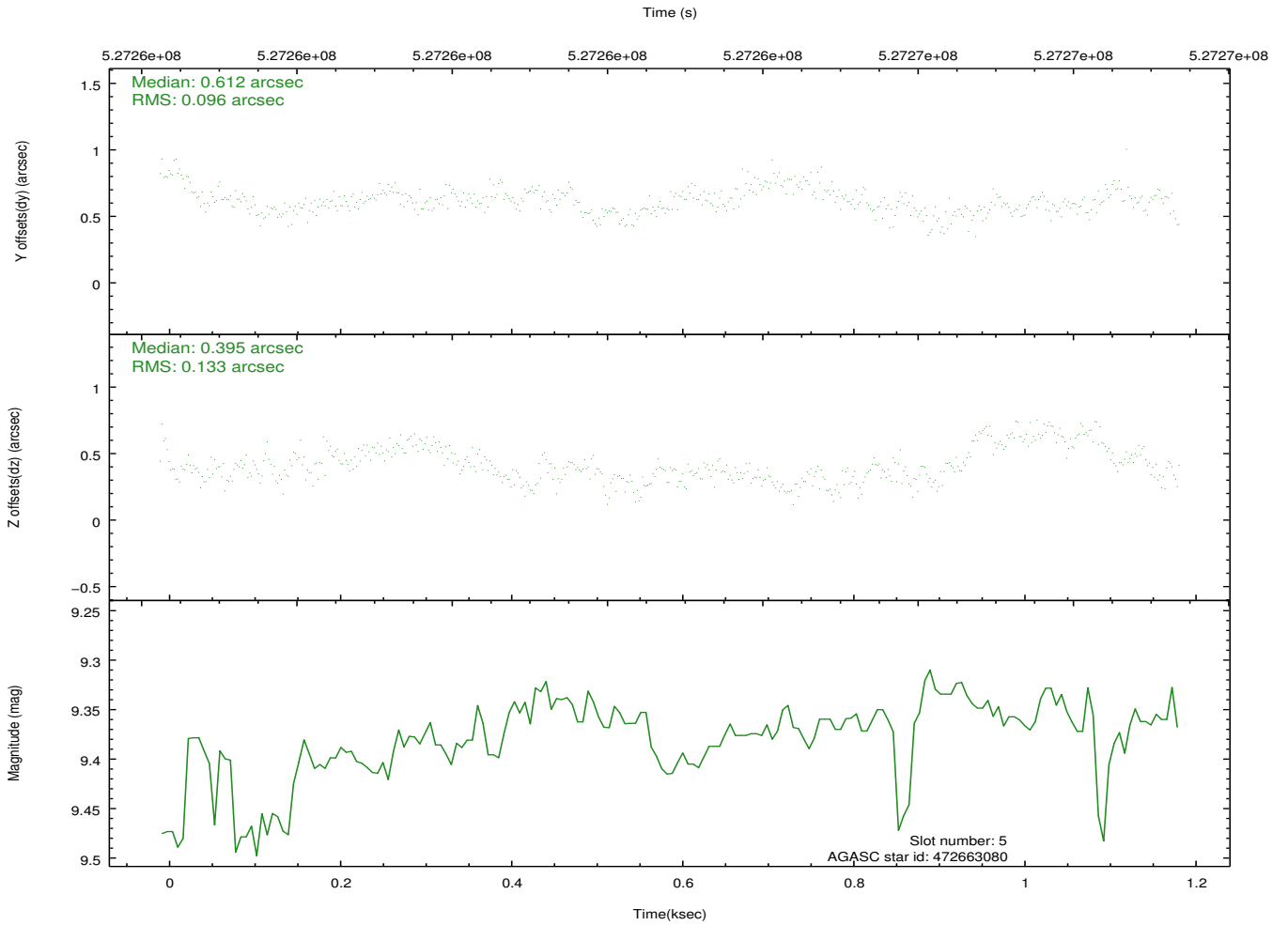
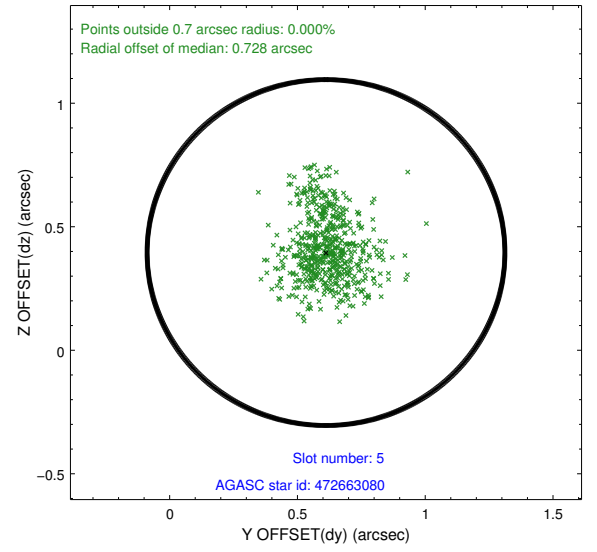
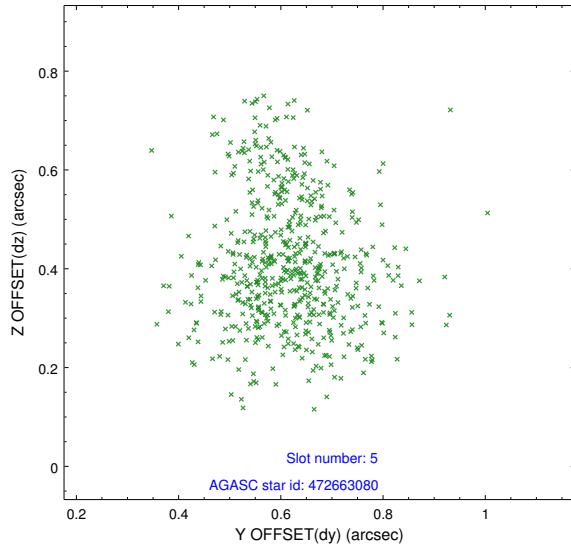
2.4.1 Slot 3



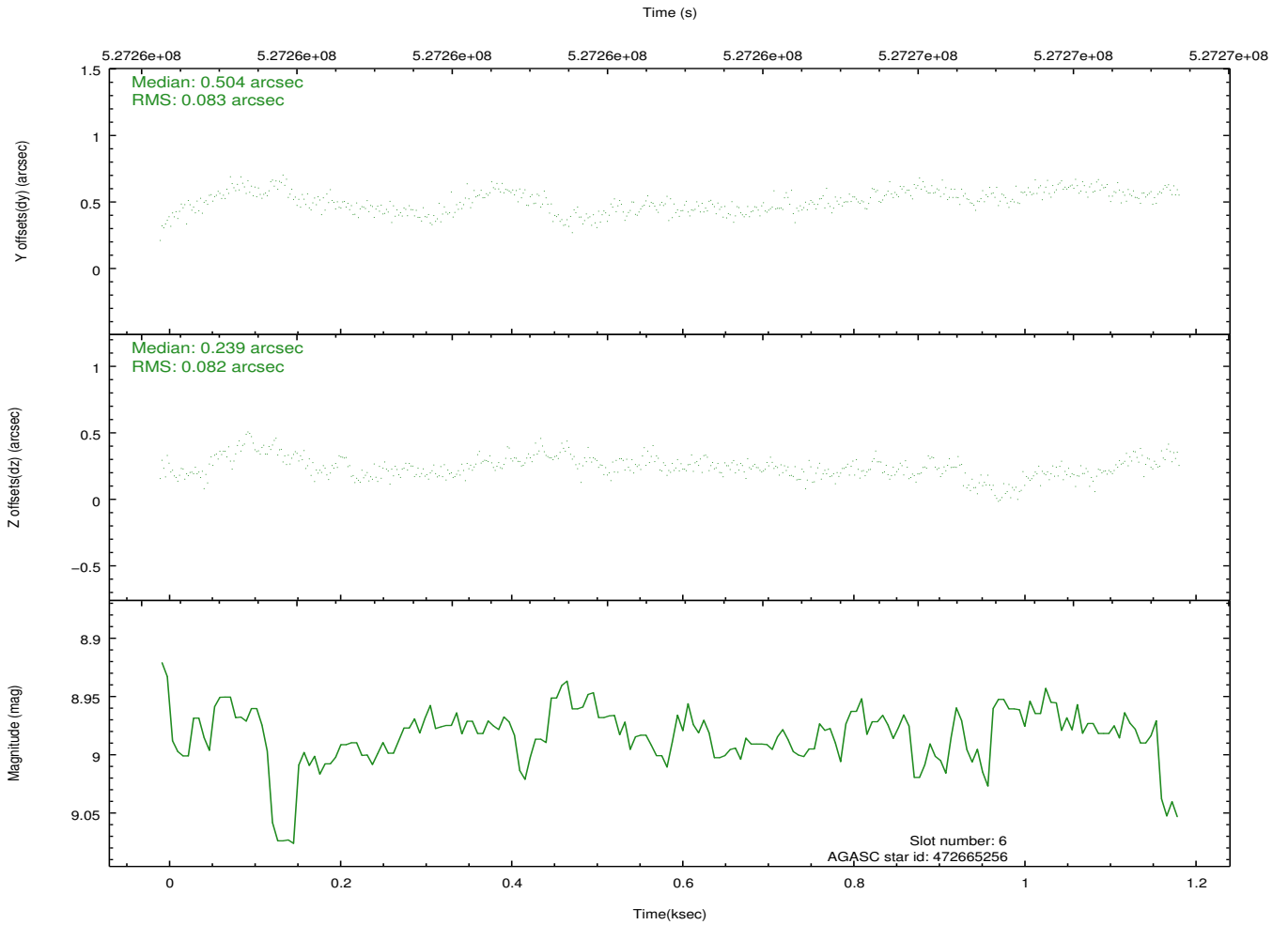
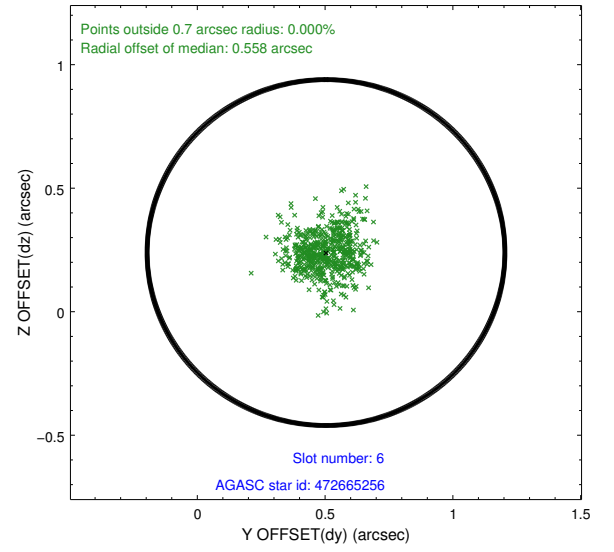
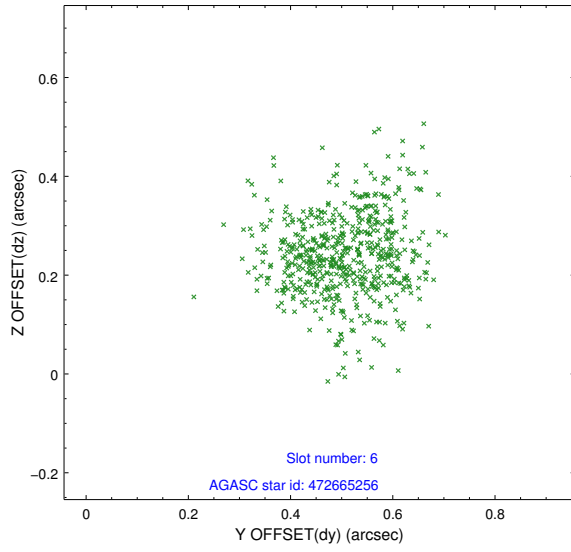
2.4.2 Slot 4



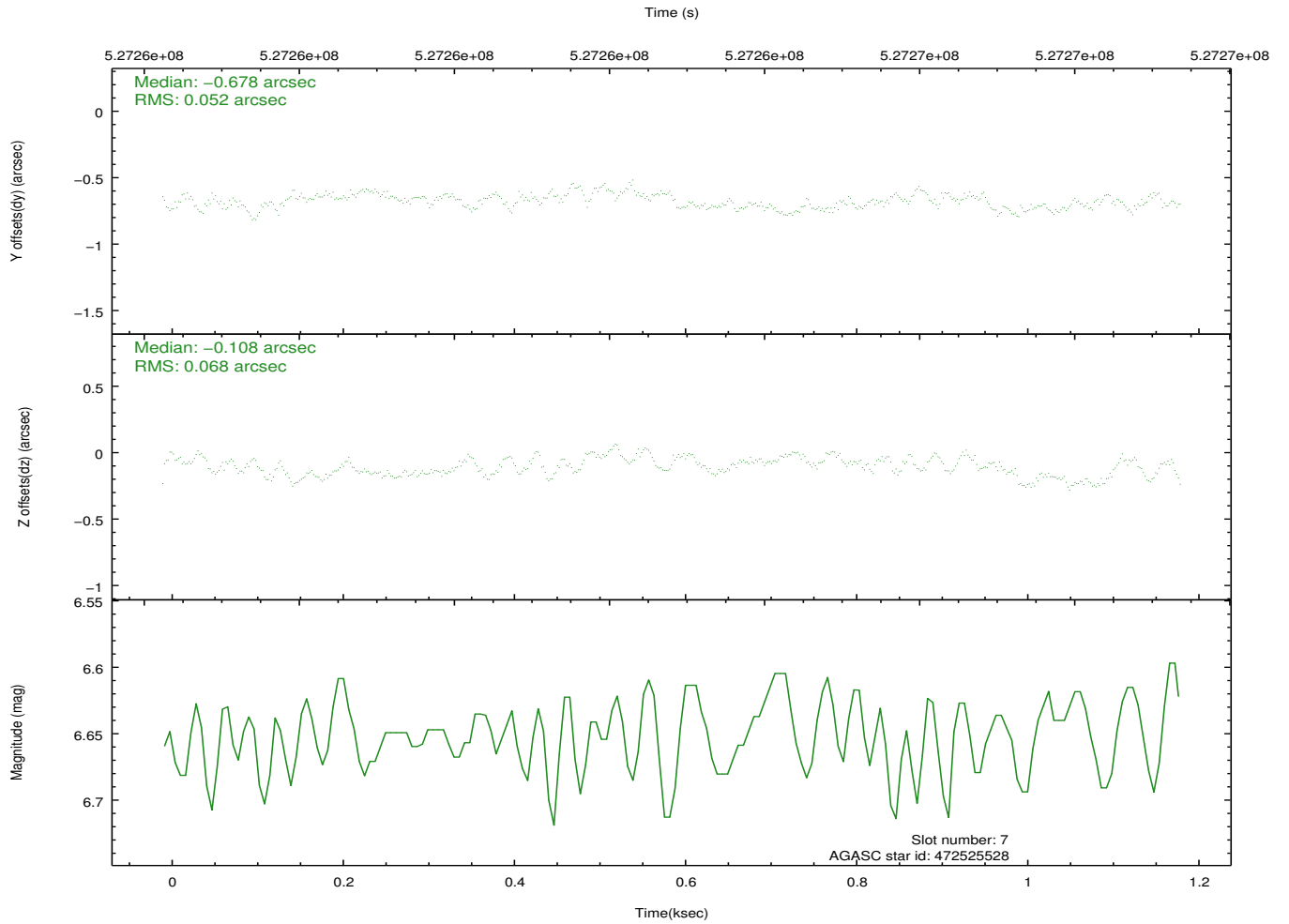
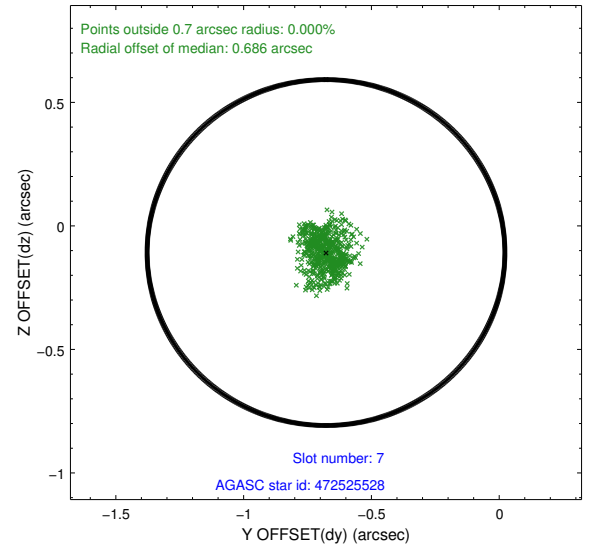
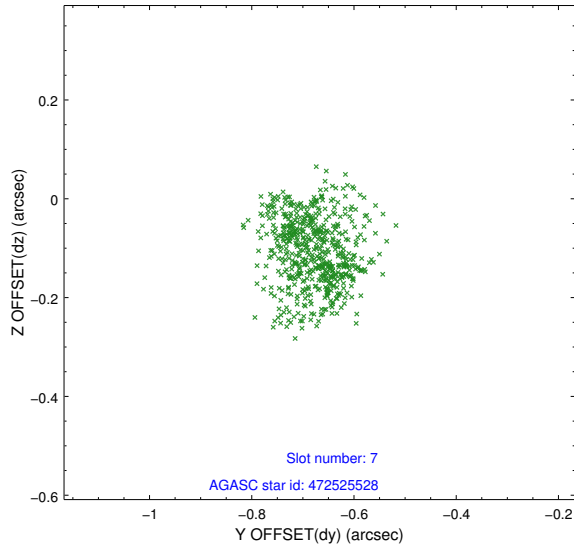
2.4.3 Slot 5



2.4.4 Slot 6

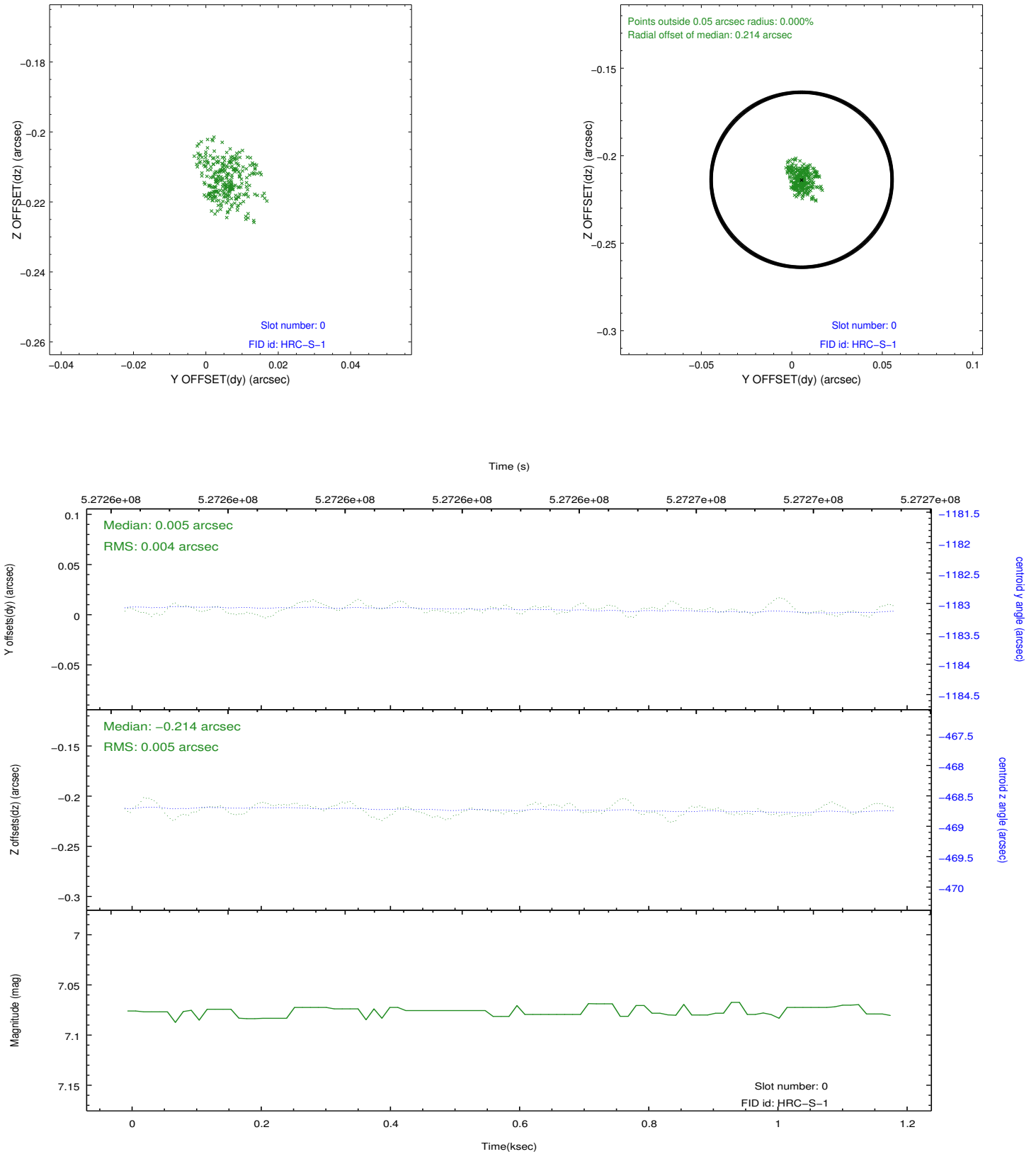


2.4.5 Slot 7

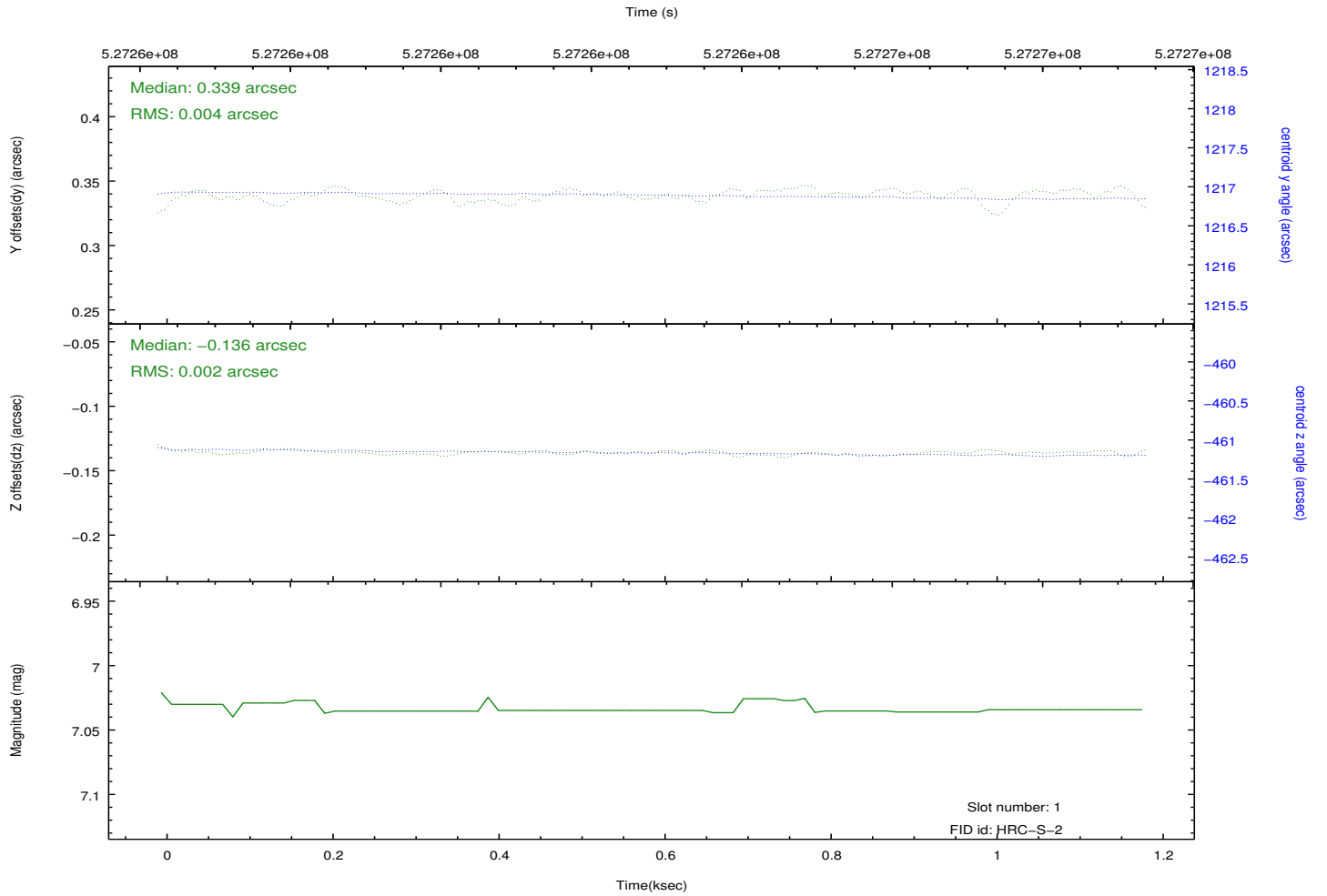
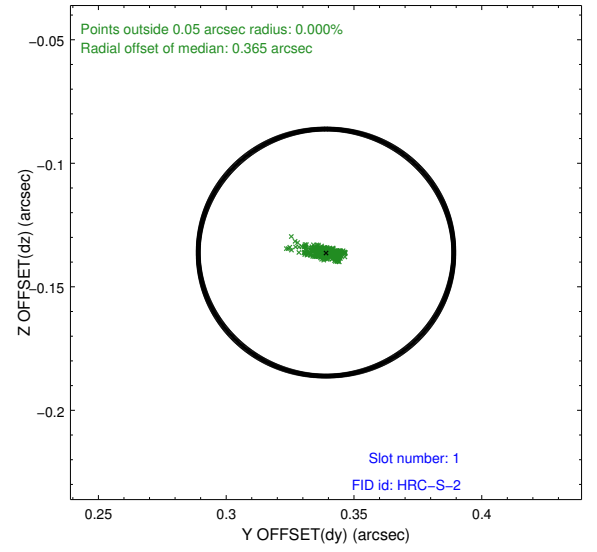
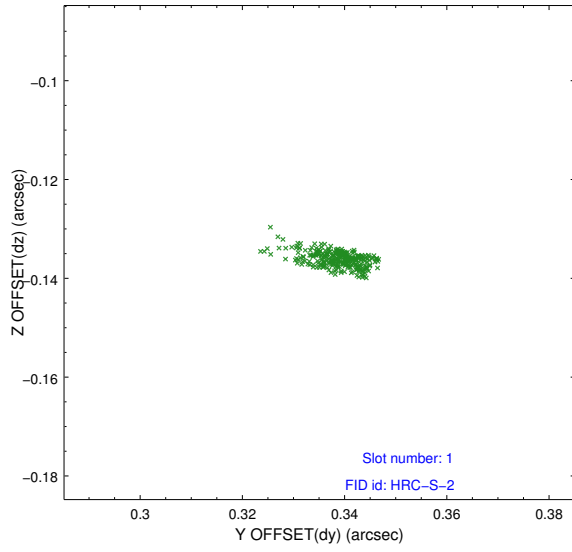


2.5 FID Slots

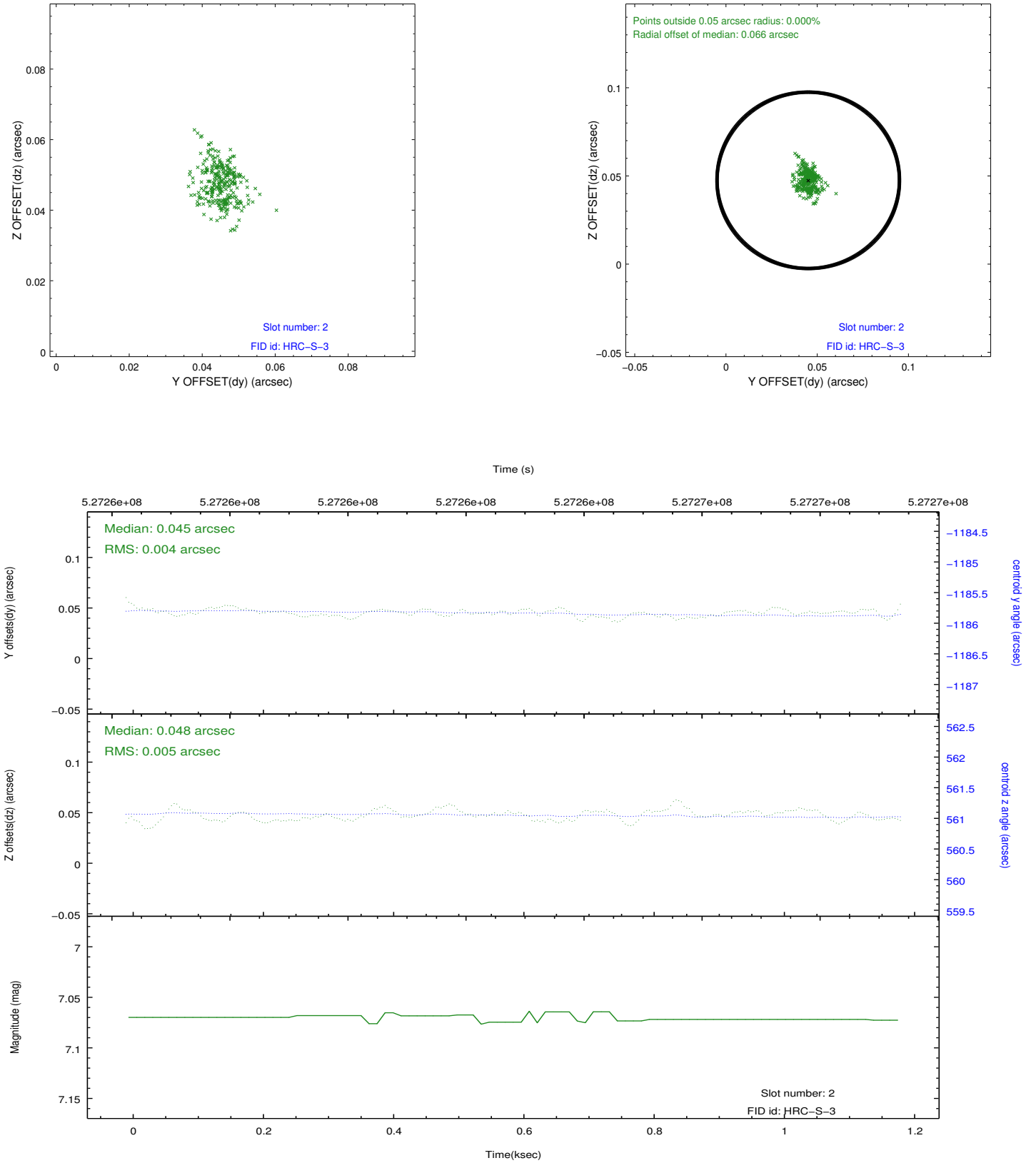
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1615813145041

A.2 Comments