

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19801 - L2 Version 1
Chandra X-Ray Center

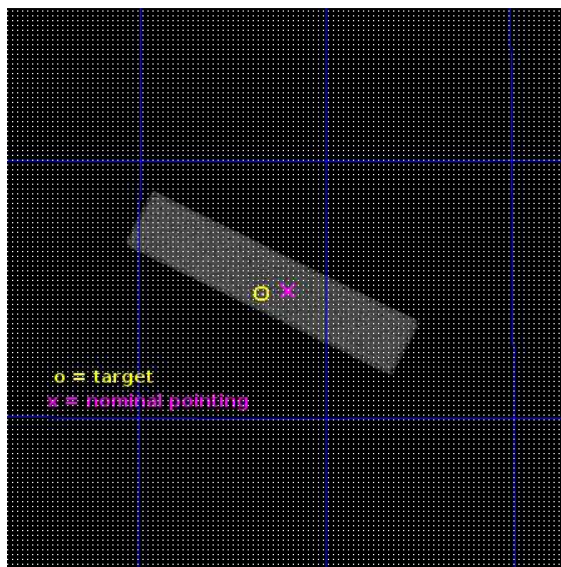
L2 Processing Date : Sep 15 2017

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1 Front

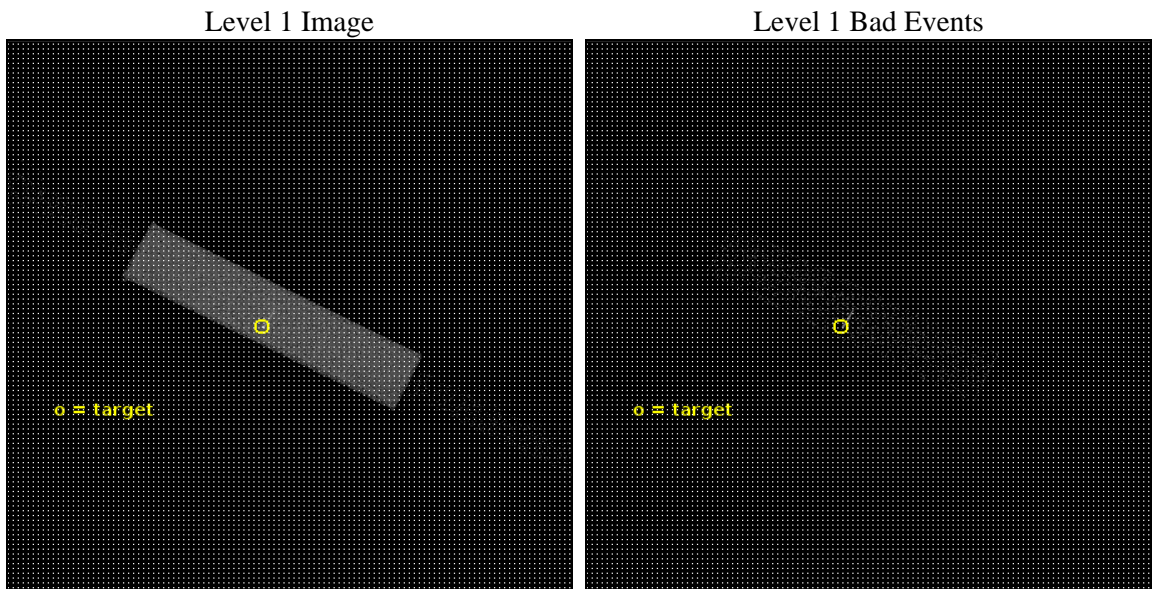
seq_num	291318	Sequence number
obs_id	19801	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09936204347	Nominal RA [deg]
dec_nom	45.748477381429	Nominal Dec [deg]
roll_nom	206.97891142092	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1177.9813189507	[s]
livetime	1167.1088628021	Ontime multiplied by DTCOR
l2events	87211	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	1177.9813189507	[s]
caldsver	4.7.6	 	l1events	126874	Number of level 1 events
date	2017-09-15T14:47:31	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

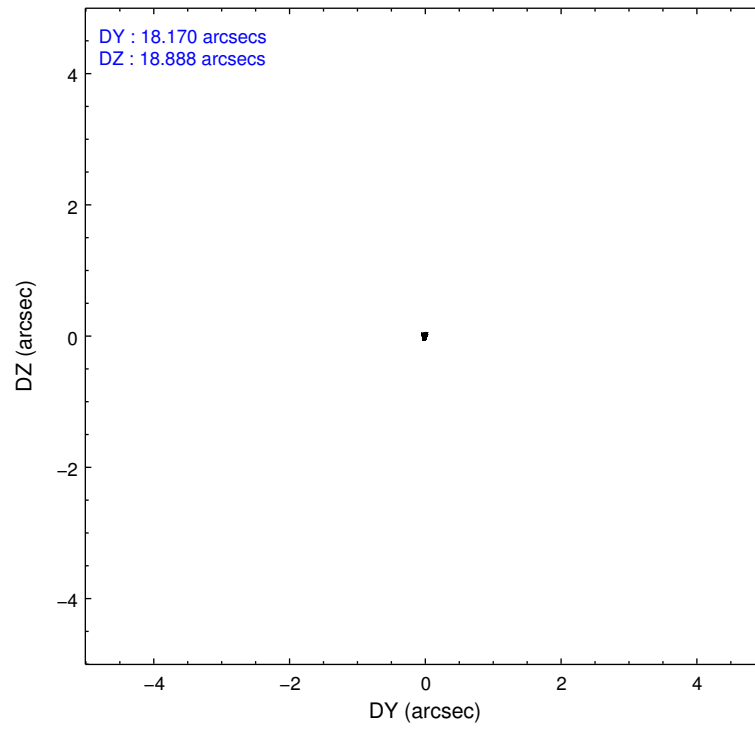
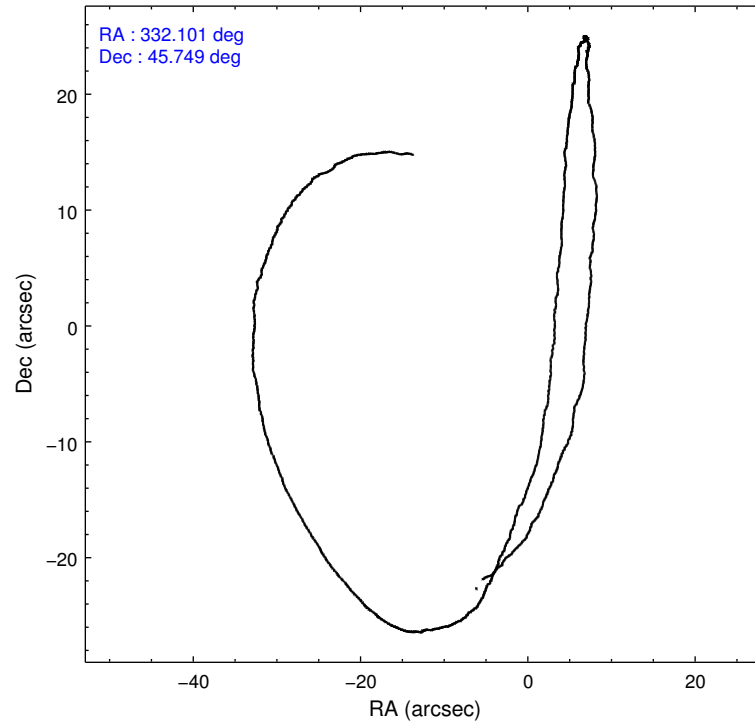
	segment 1	segment 2	segment 3
level 1 events	1050	124894	930
rejected events	1050	25457	930
rejected %	100%	20%	100%

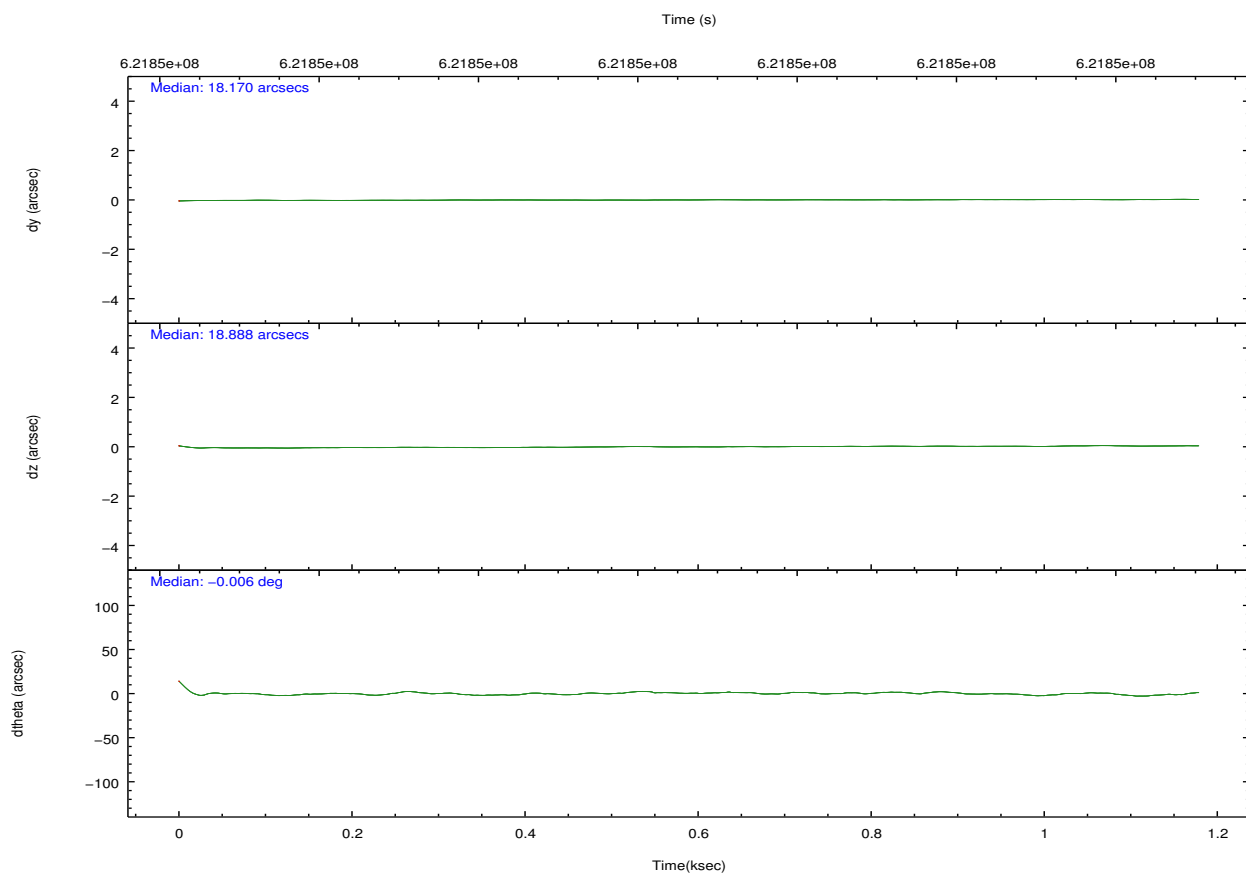
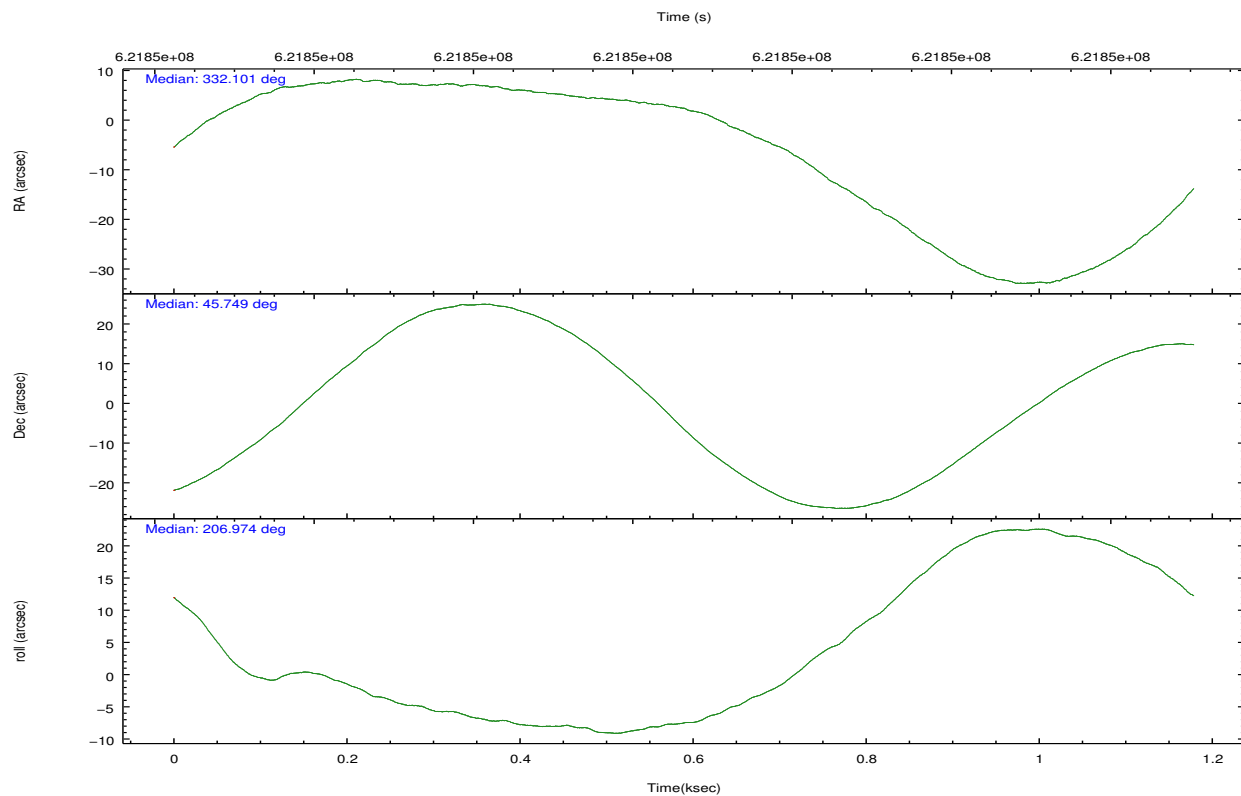
2.2 Compared Parameters

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	332.120514	332.0993620434722
[deg] Pointing Dec	45.773138	45.74847738142945
[deg] Pointing Roll	206.896408	206.9789114209213
[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)	621852432.184000	621852056.40652
Observation start date	2017-09-15T08:46:03	2017-09-15T08:40:56
[s] Observation end time (MET)	621853432.184000	621853566.2316099
Observation end date	2017-09-15T09:02:43	2017-09-15T09:06:06

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

2.3 Aspect



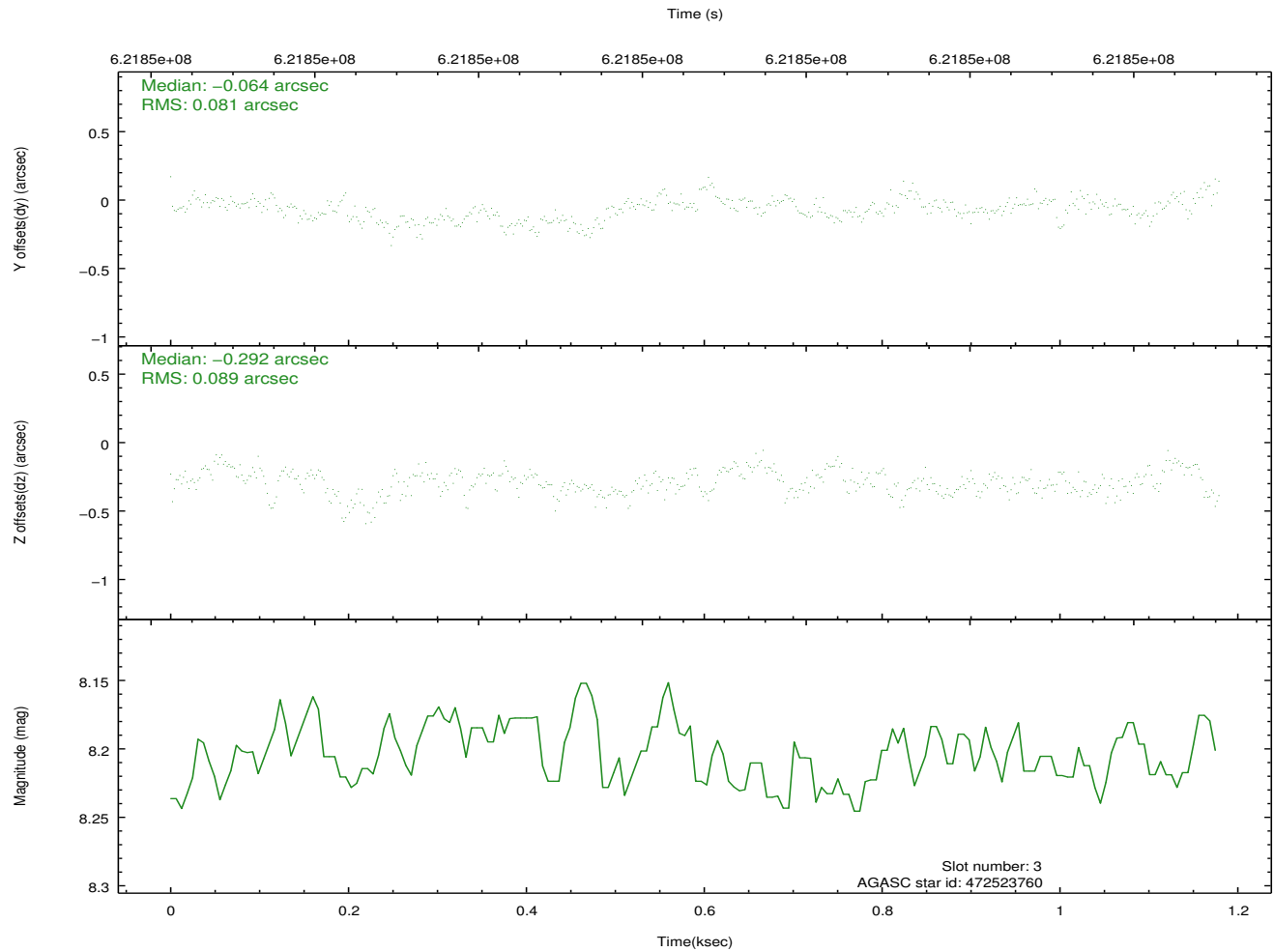
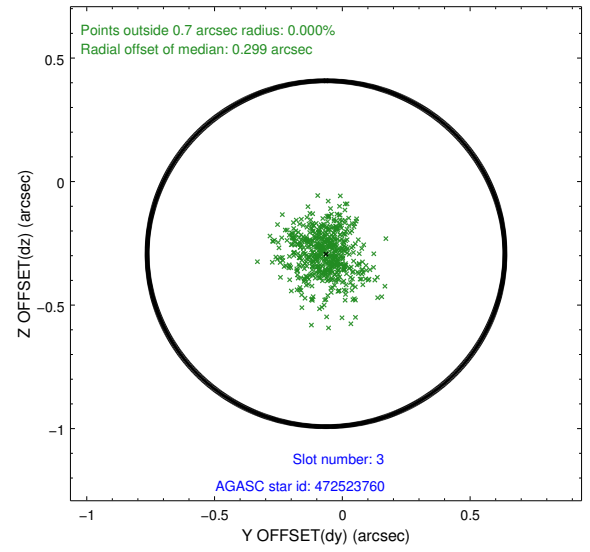
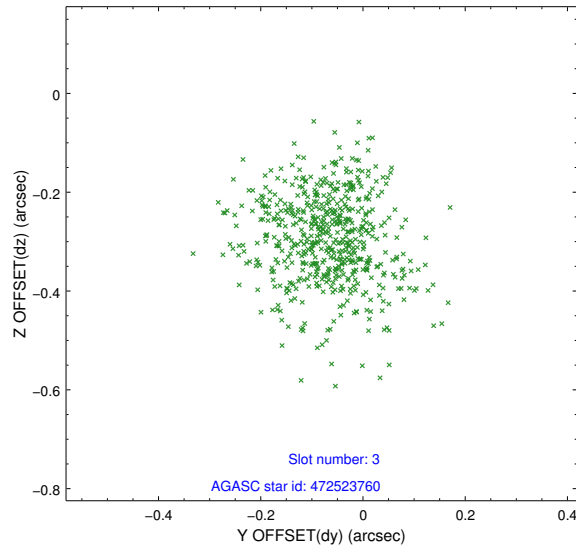


Slot Statistics

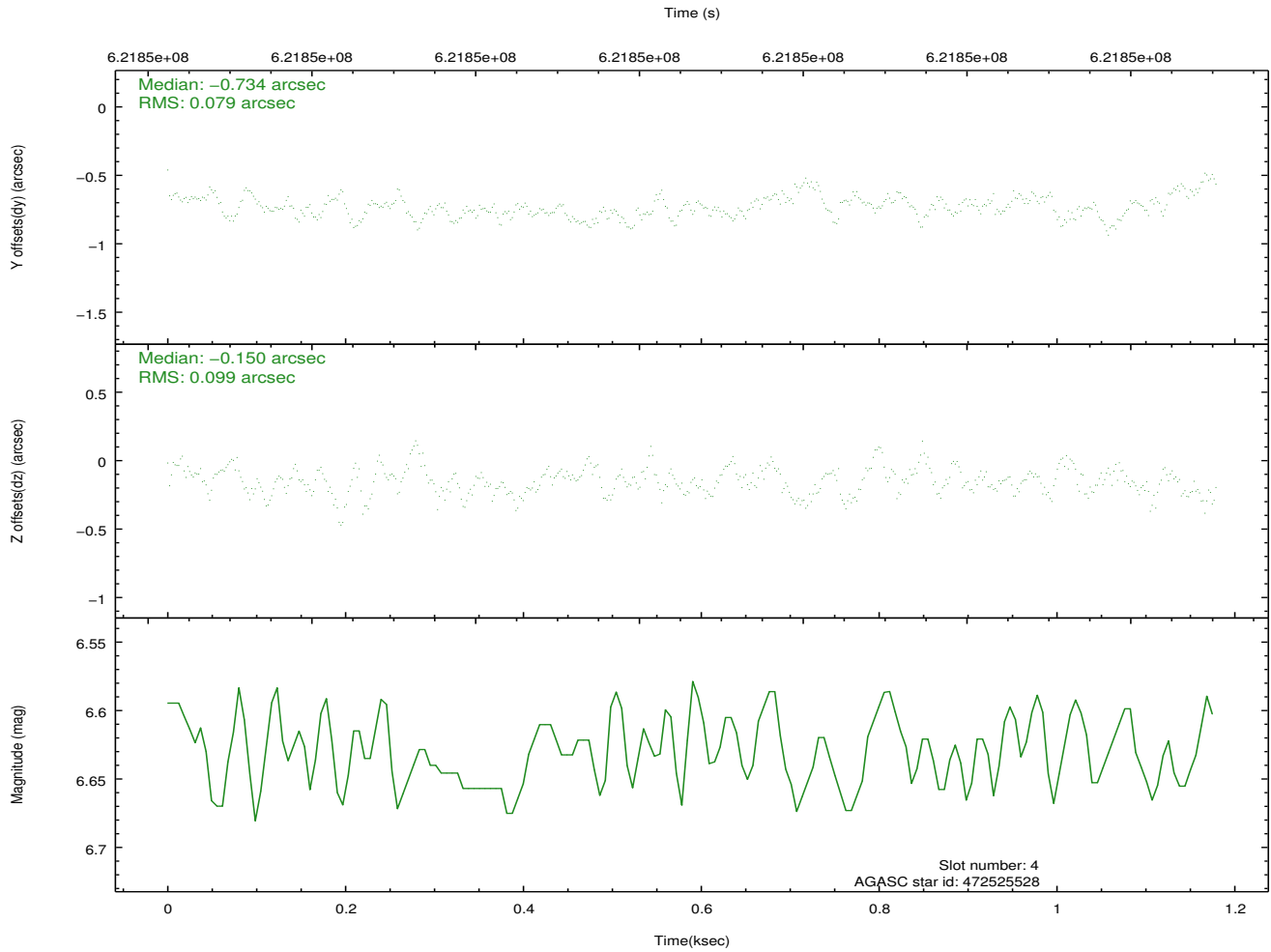
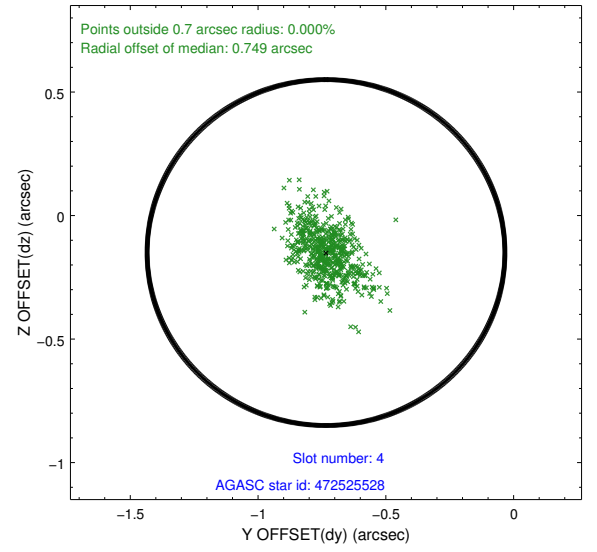
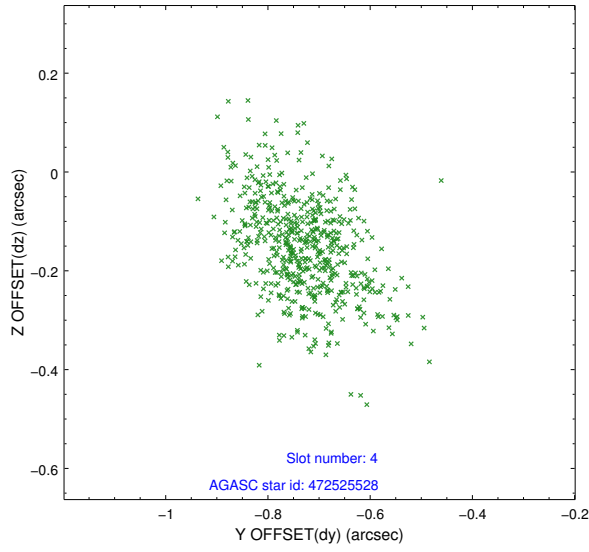
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.04	288	-0.118	-0.317	0.008	0.012	0.000000	0.000000	-1172.81	-468.07
1	FID		HRC-S-3	7.02	288	0.032	0.013	0.008	0.014	0.000000	0.000000	-1179.50	560.16
2	FID		HRC-S-4	7.00	288	0.474	0.006	0.005	0.009	0.000000	0.000000	1221.87	566.39
3	GUIDE	used	472523760	8.21	576	-0.064	-0.292	0.129	0.213	331.645363	45.403260	1672.07	642.34
4	GUIDE	used	472525528	6.63	576	-0.734	-0.150	0.130	0.228	331.551102	45.248694	2141.10	1028.93
5	GUIDE	used	472535576	7.83	576	0.093	0.267	0.136	0.244	331.438373	46.291802	669.46	-2435.75
6	GUIDE	used	472655152	9.35	575	0.232	-0.193	0.209	0.335	332.504239	45.862991	-1003.77	141.86
7	GUIDE	used	472665256	8.95	575	0.482	0.363	0.149	0.256	332.808125	46.195041	-2219.67	-584.11

2.4 Star Slots

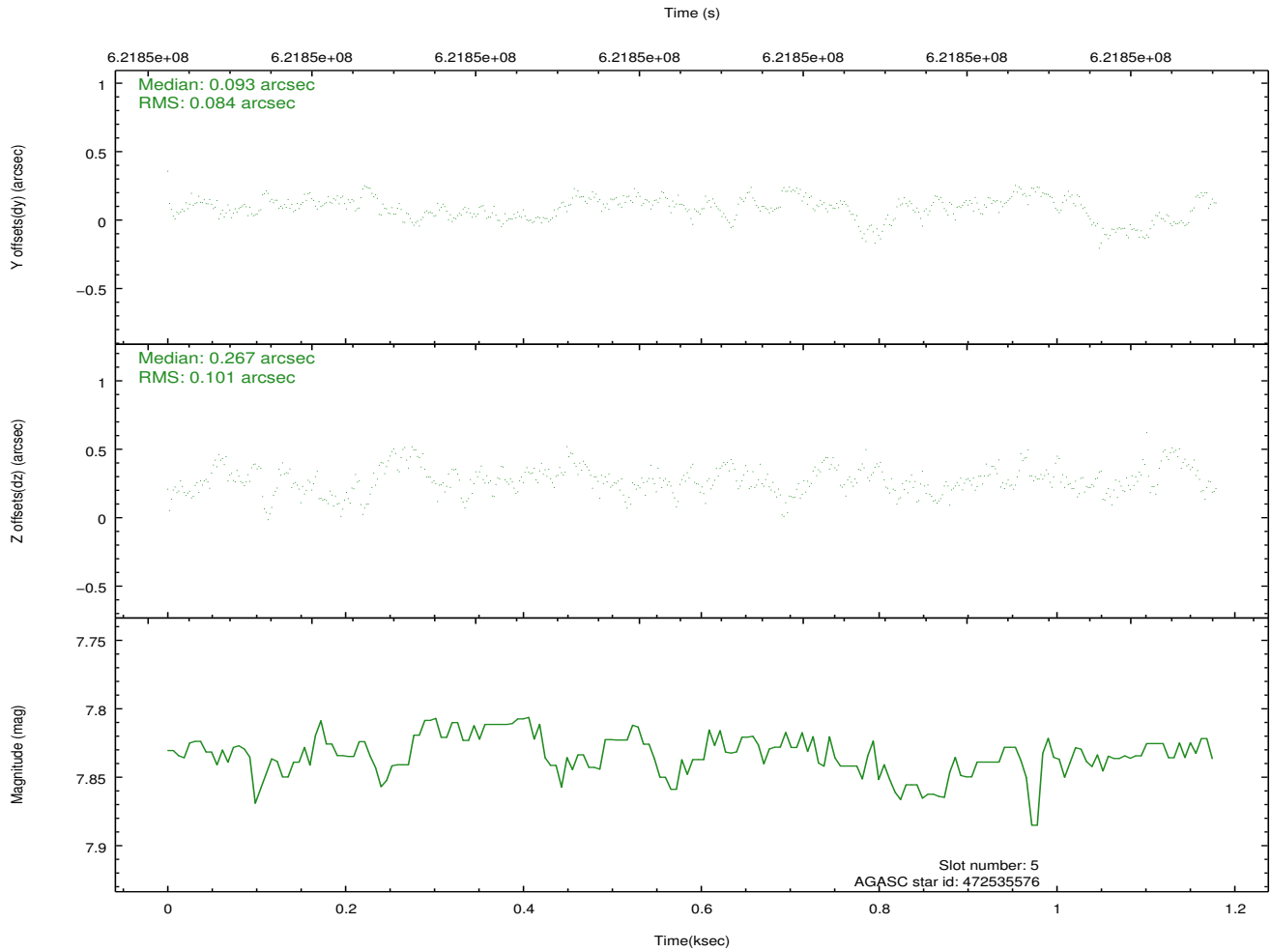
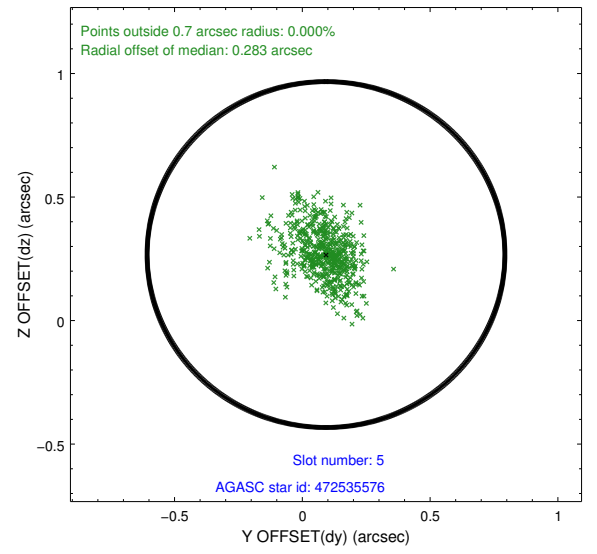
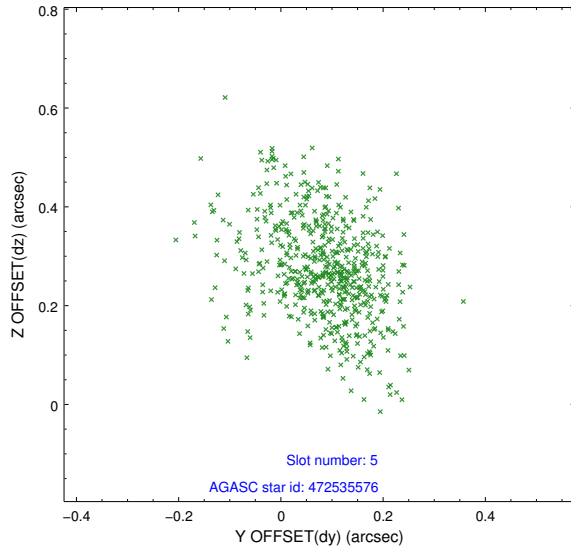
2.4.1 Slot 3



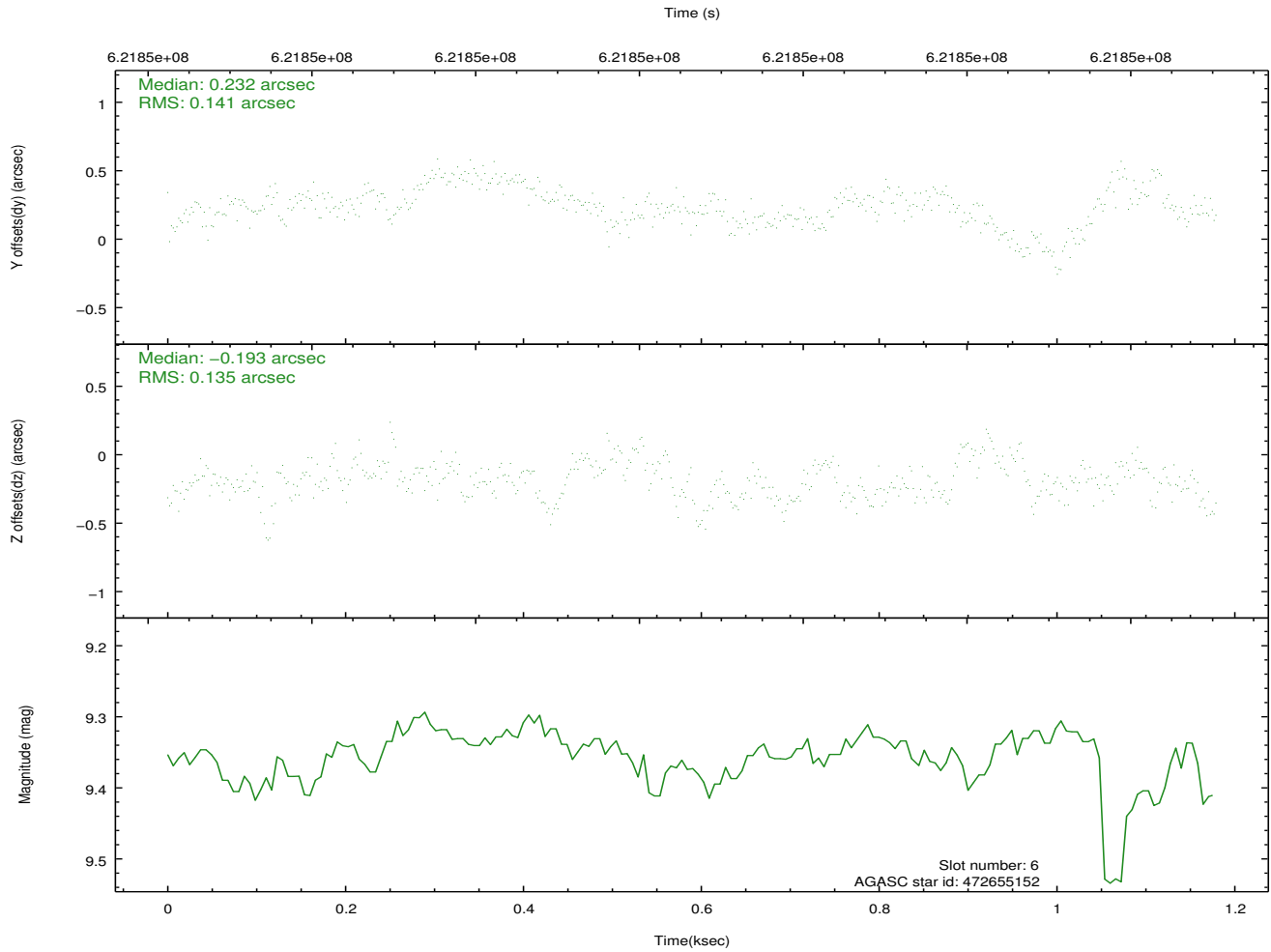
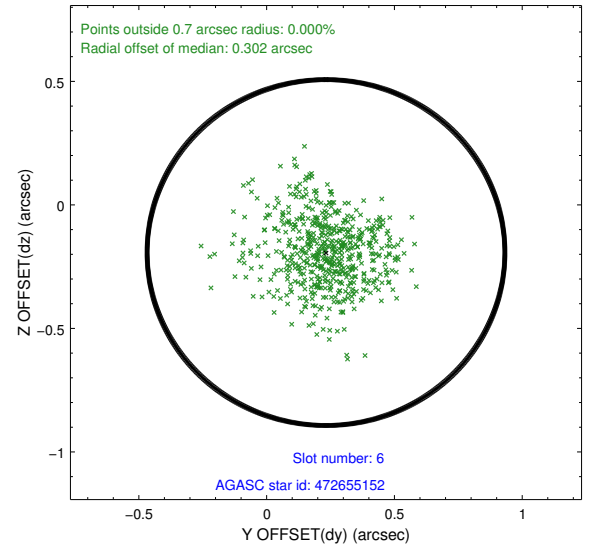
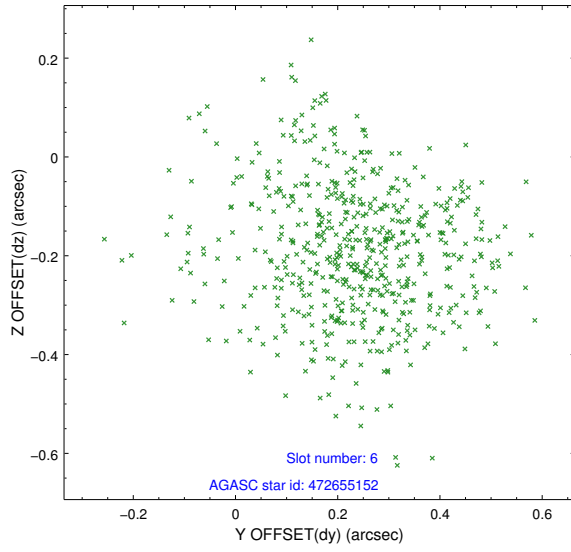
2.4.2 Slot 4



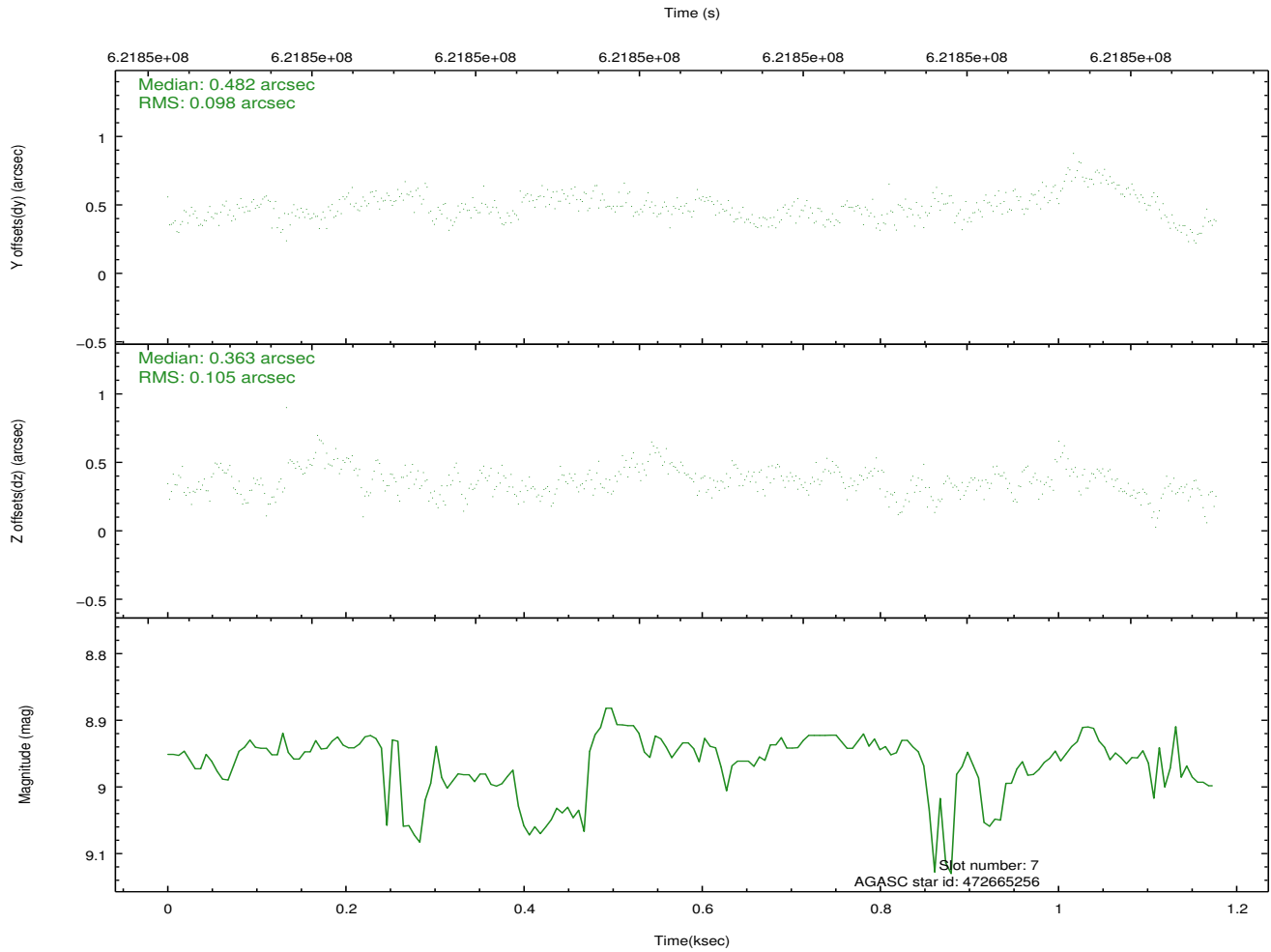
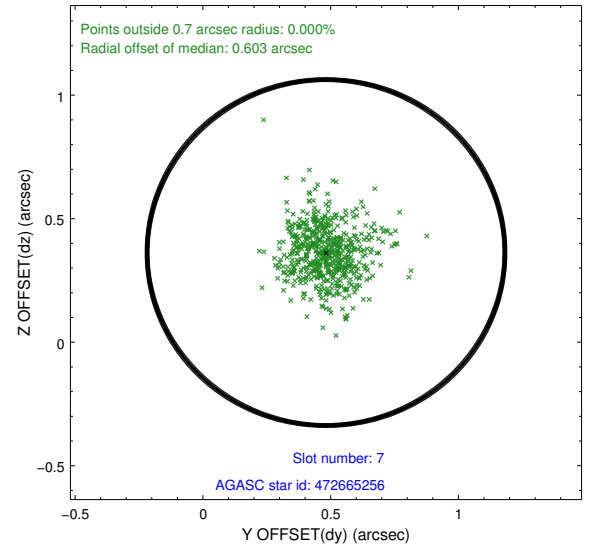
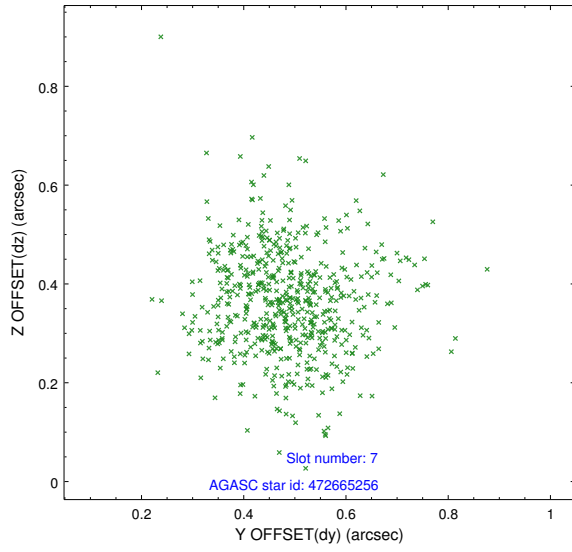
2.4.3 Slot 5



2.4.4 Slot 6

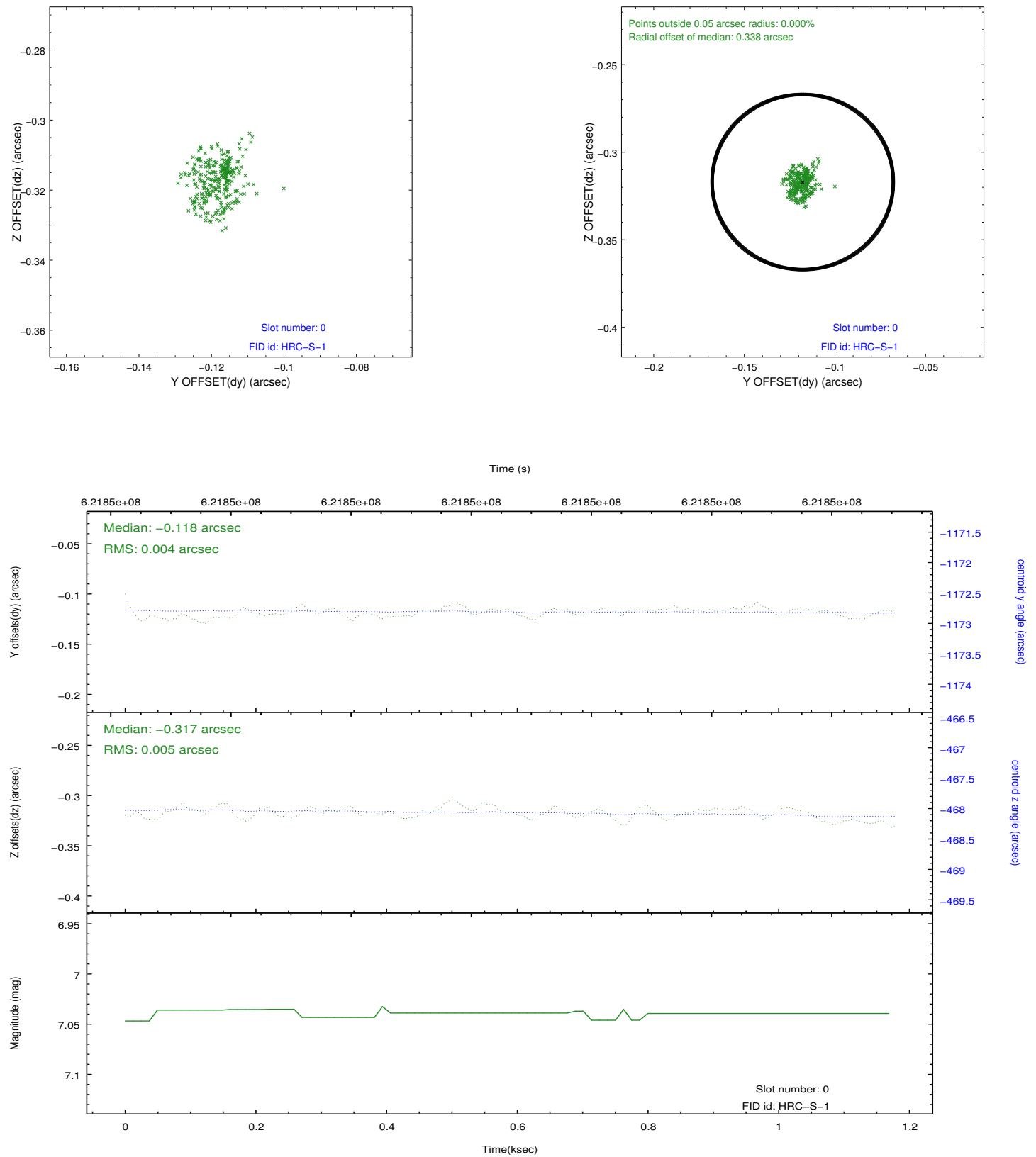


2.4.5 Slot 7

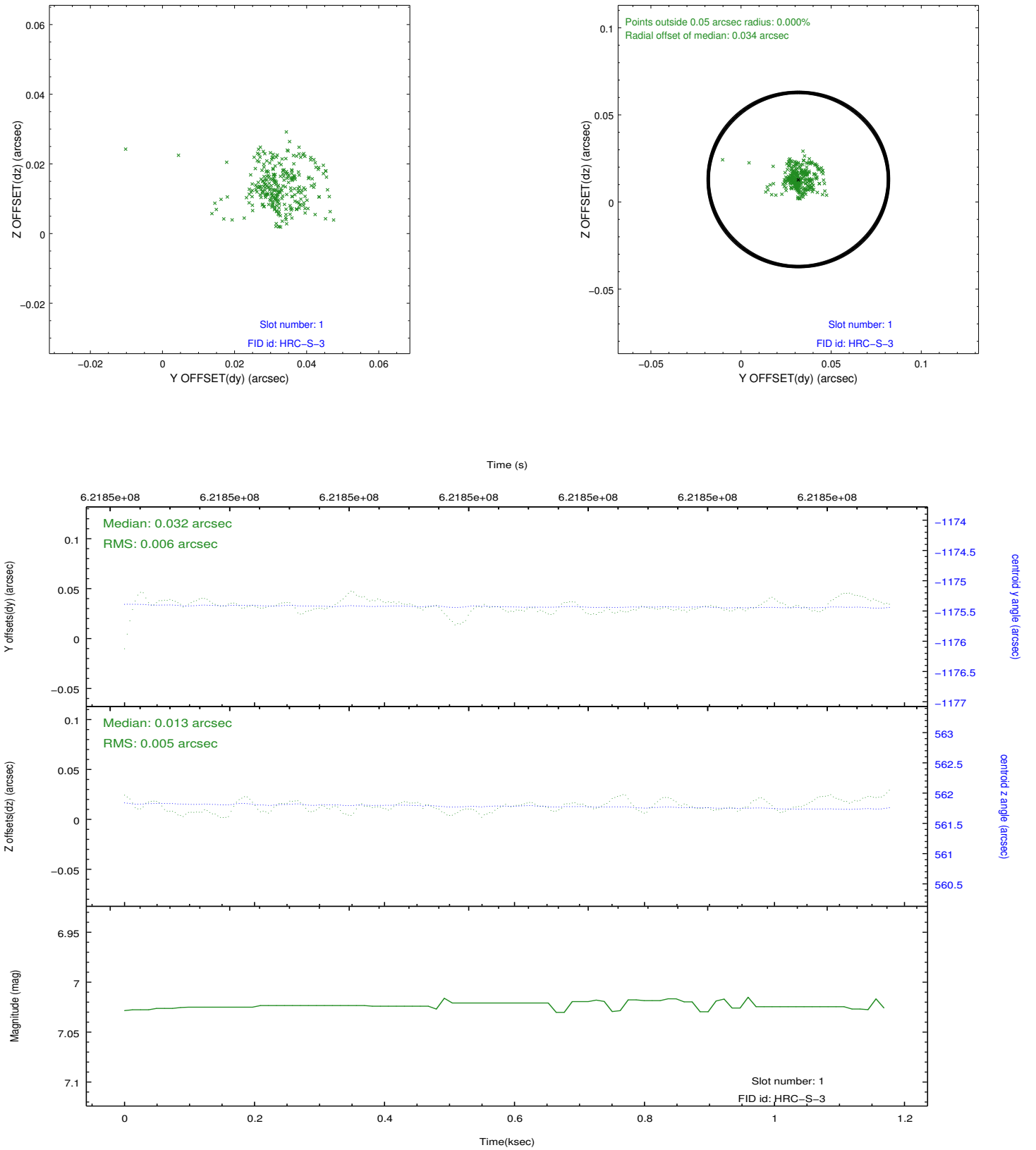


2.5 FID Slots

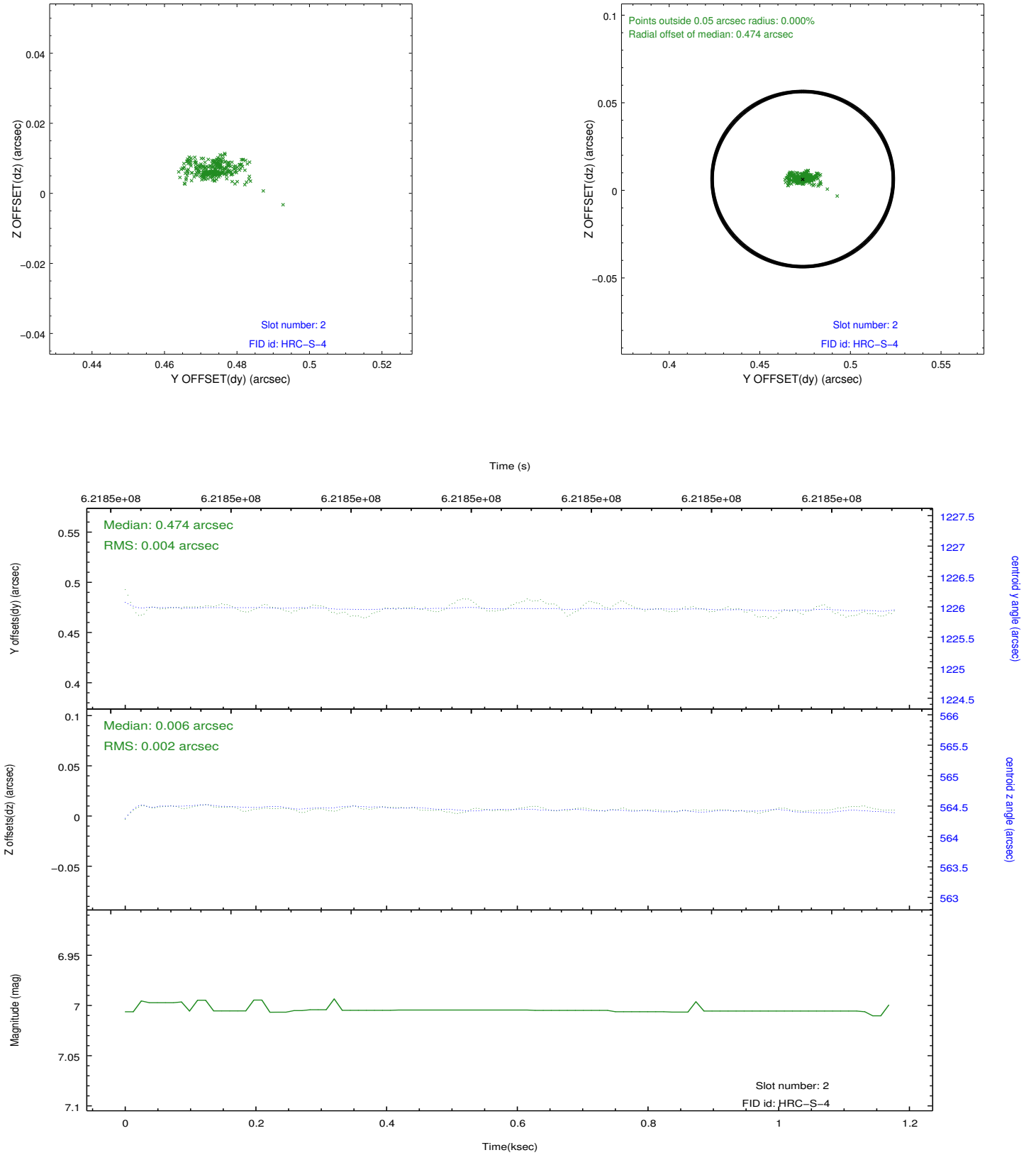
2.5.1 Slot 0



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)	2017.09.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1779813189507

A.2 Comments