

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21802 - L2 Version 1
Chandra X-Ray Center

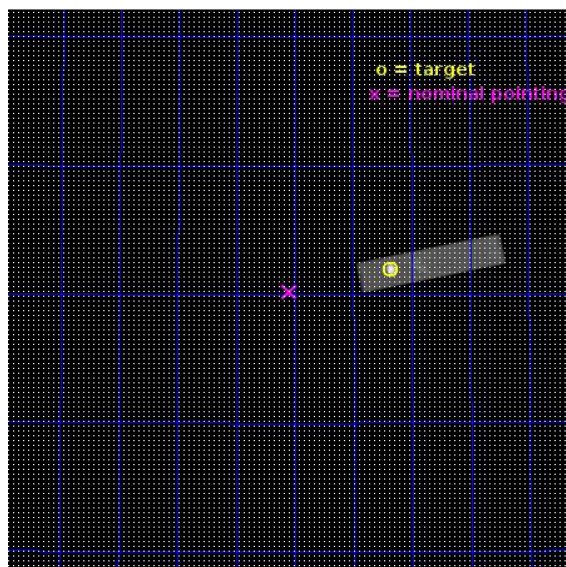
L2 Processing Date : Apr 4 2019

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1 Front

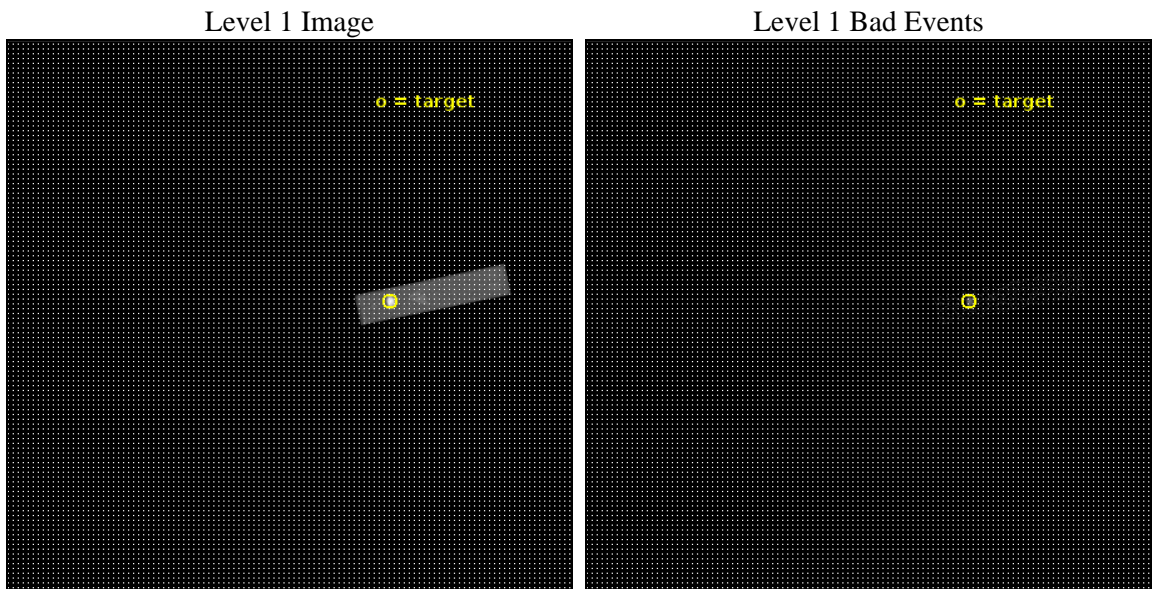
seq_num	291488	Sequence number
obs_id	21802	Observation id
title	AO-20 HRC-S Gain Calibration Observations of HZ43	Proposal title
observer	CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.090076	Observer's specified target RA [deg]
dec_targ	29.098119	Observer's specified target Dec [deg]
ra_nom	199.52270851227	Nominal RA [deg]
dec_nom	29.011258314857	Nominal Dec [deg]
roll_nom	167.82109952808	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1897.5313637257	[s]
livetime	1722.7771293006	Ontime multiplied by DTCOR
l2events	325934	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	1700.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	1897.5313637257	[s]
caldbver	4.8.2	 	l1events	387584	Number of level 1 events
date	2019-04-04T12:32:52	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

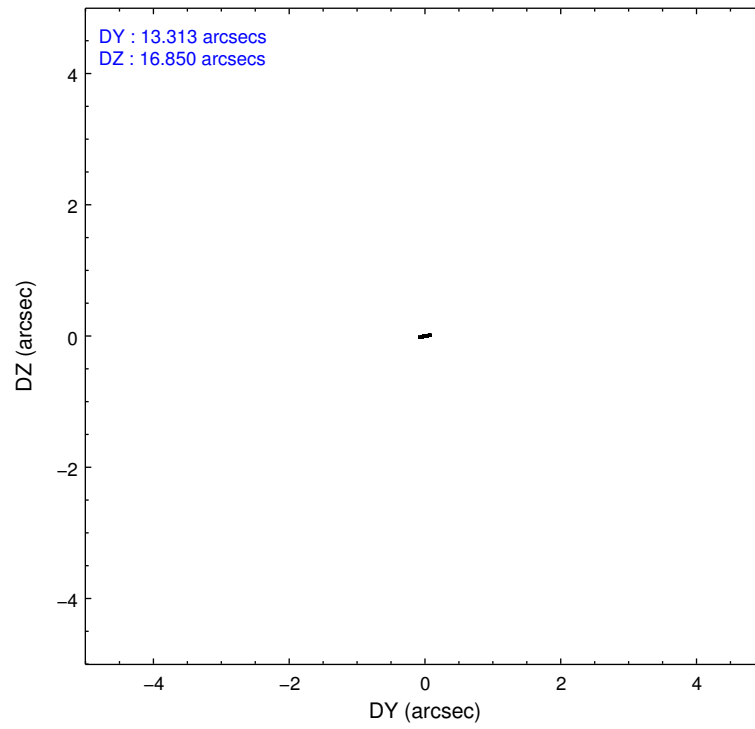
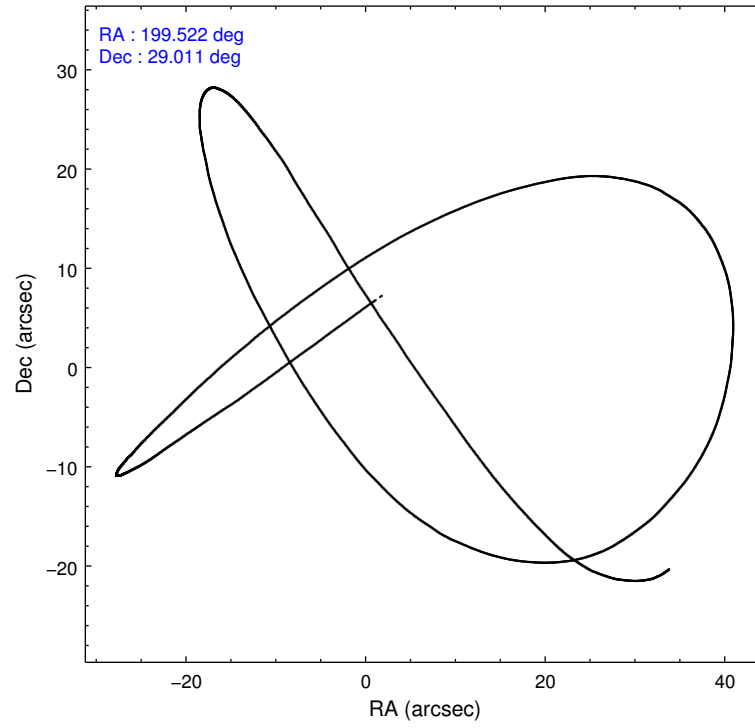
	segment 1	segment 2	segment 3
level 1 events	14	47	387523
rejected events	14	14	37672
rejected %	100%	29%	9%

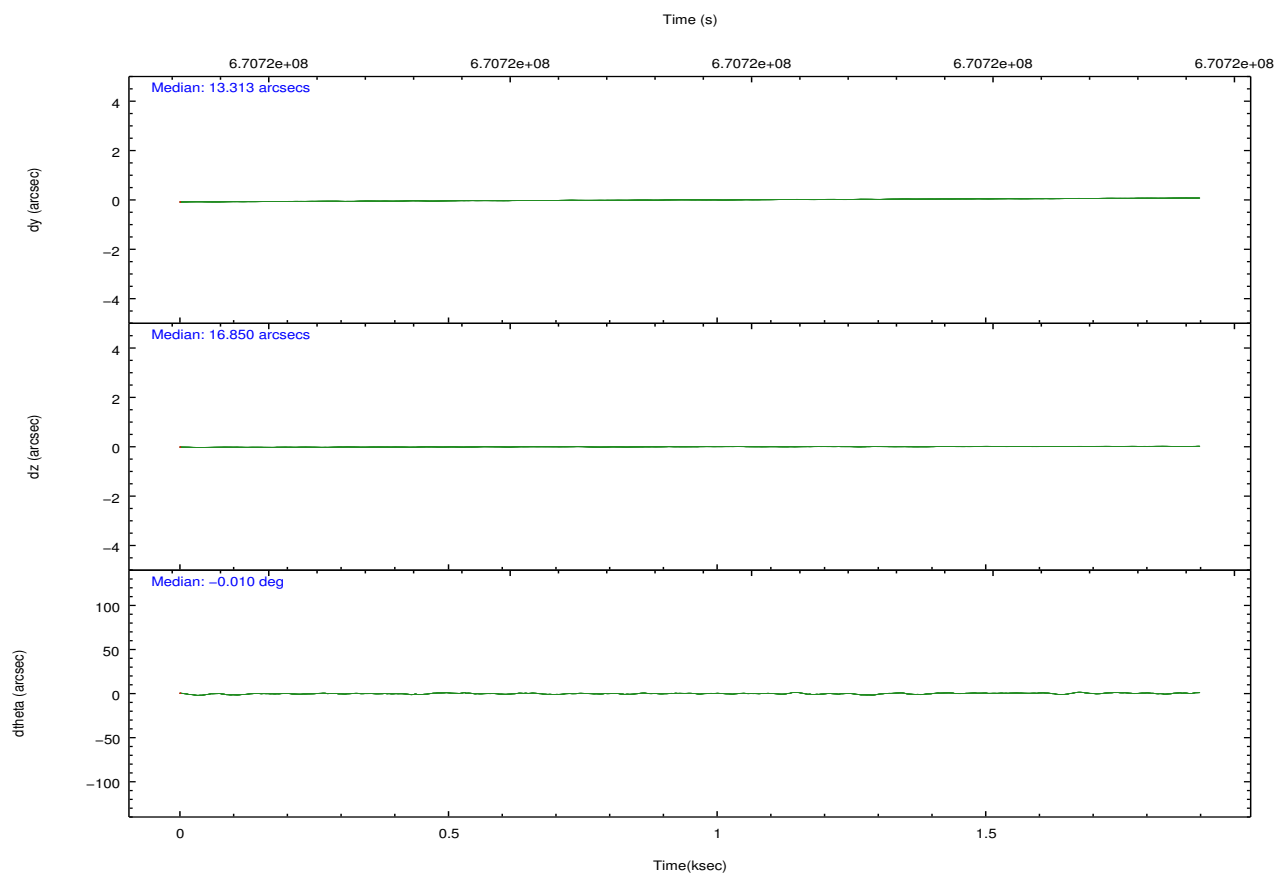
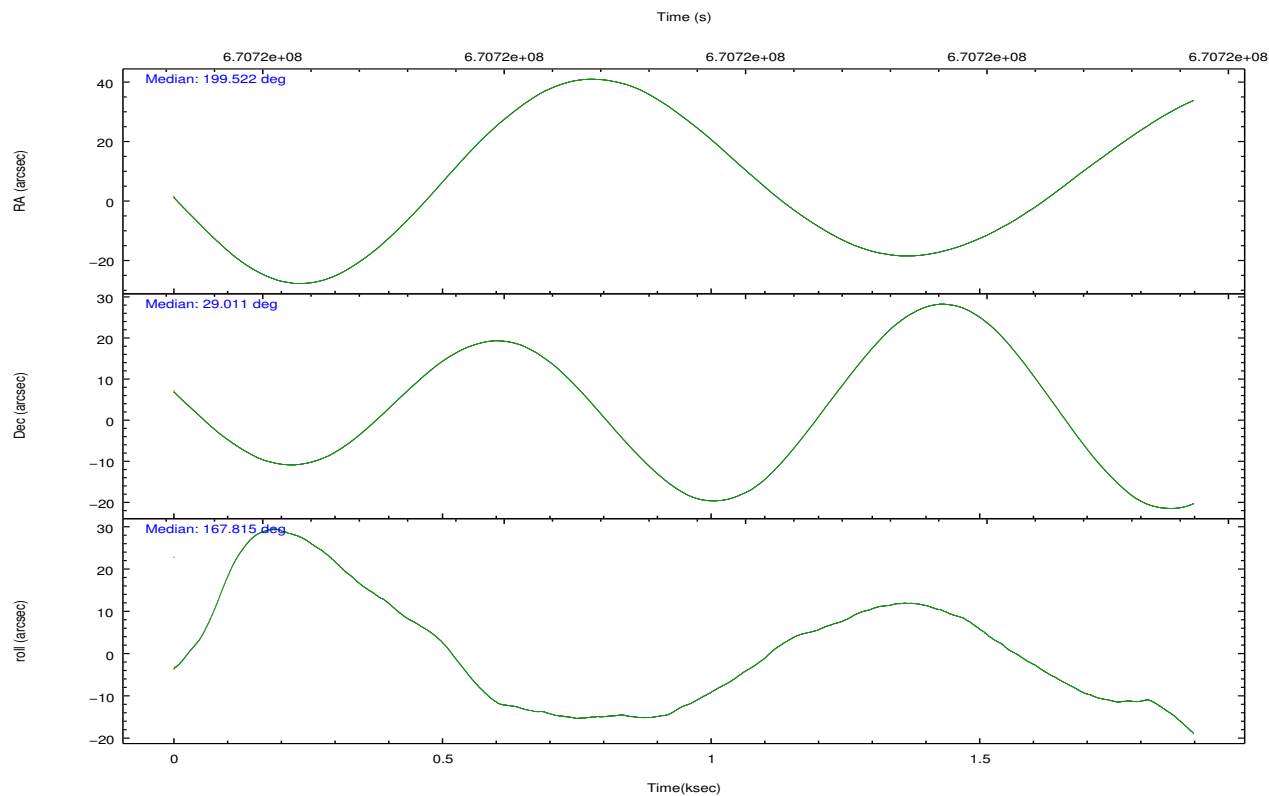
2.2 Compared Parameters

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	199.554835	199.5227085122666
[deg] Pointing Dec	29.021782	29.01125831485681
[deg] Pointing Roll	167.738163	167.8210995280774
[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)	670715112.184000	670714735.97931
Observation start date	2019-04-03T21:44:03	2019-04-03T21:38:55
[s] Observation end time (MET)	670716812.184000	670717764.342
Observation end date	2019-04-03T22:12:23	2019-04-03T22:29:24

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

2.3 Aspect



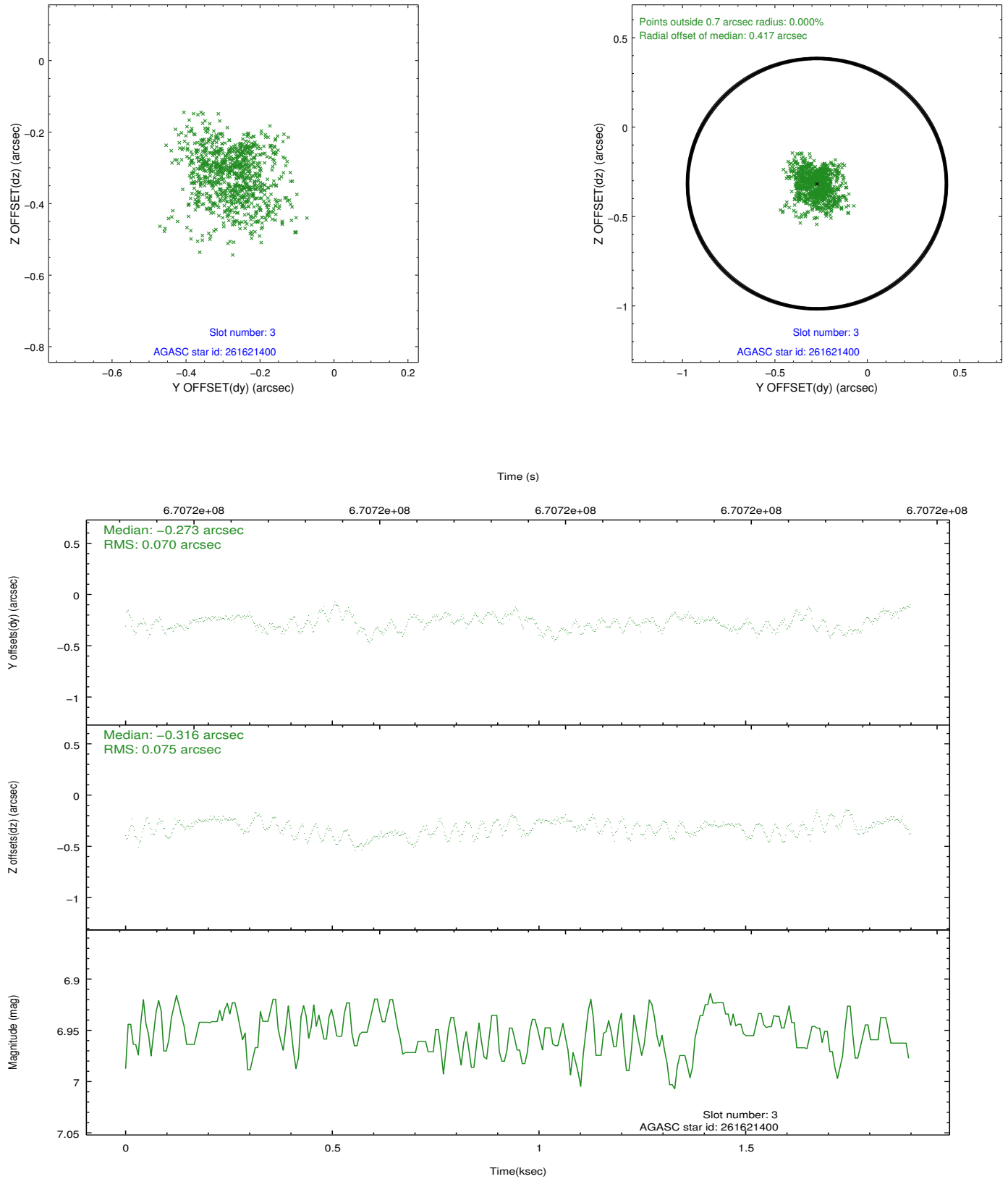


Slot Statistics

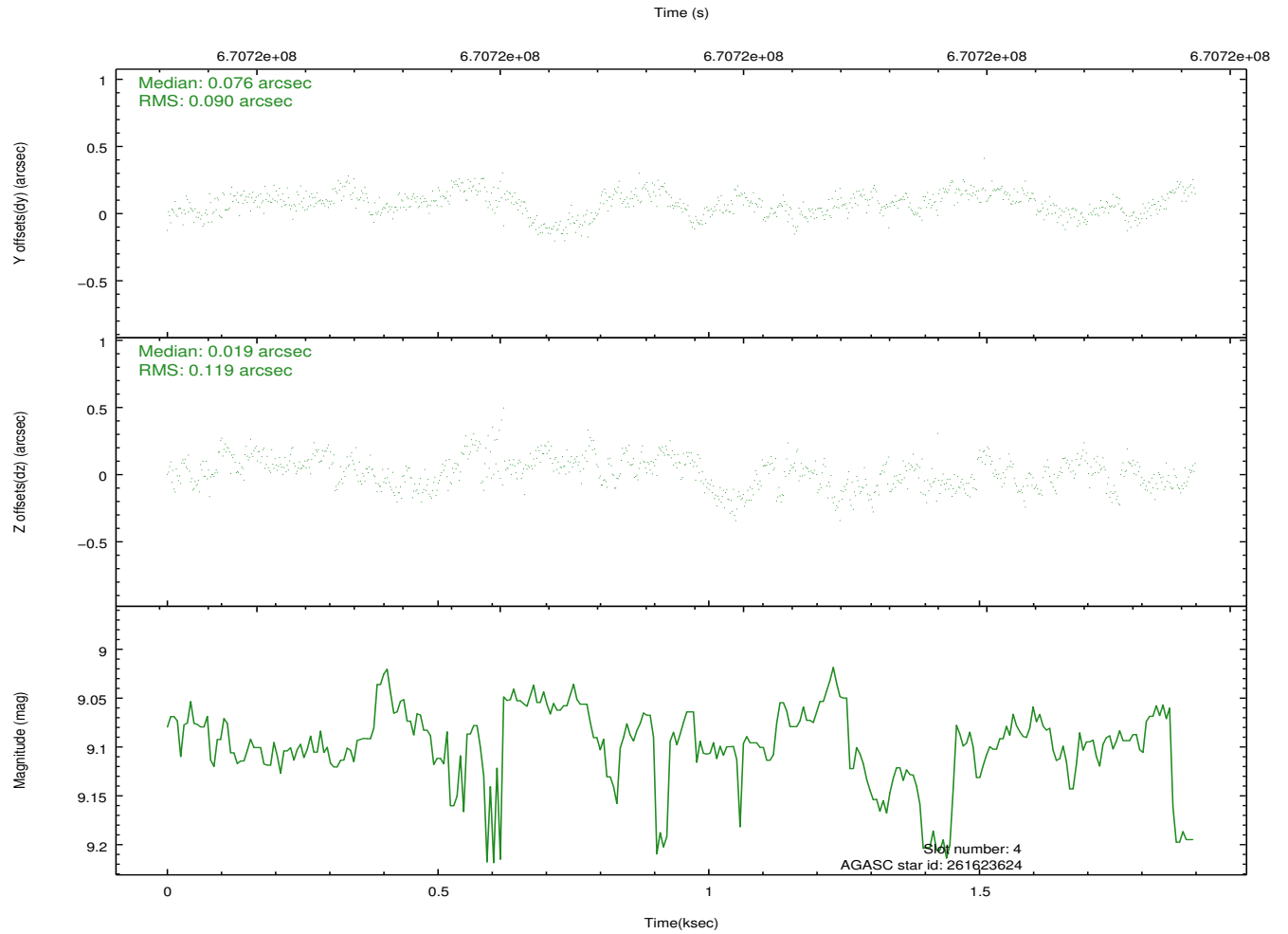
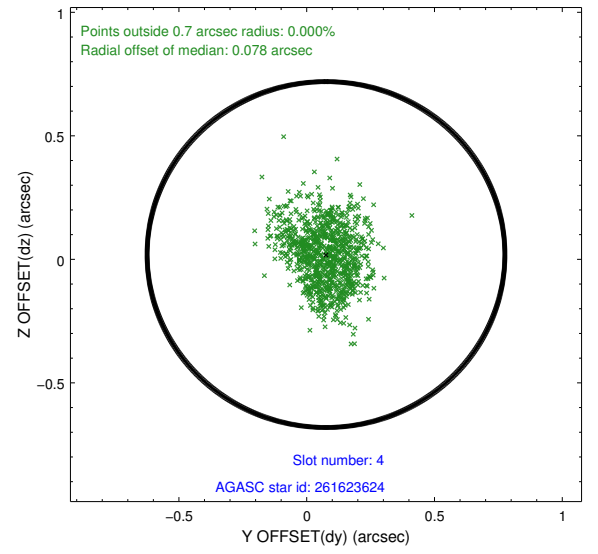
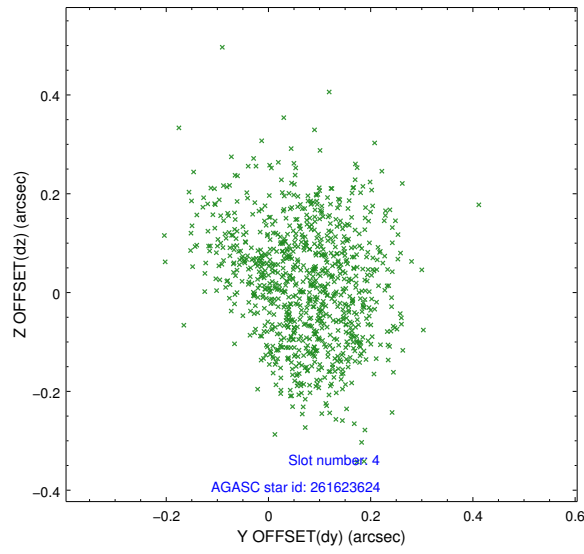
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.11	464	1.000	-0.115	-0.204	0.007	0.012	0.000000	0.000000	-1167.78	-465
1	FID		HRC-S-2	7.09	464	1.000	0.482	-0.146	0.005	0.011	0.000000	0.000000	1229.95	-459
2	FID		HRC-S-3	7.08	464	1.000	0.022	0.047	0.008	0.014	0.000000	0.000000	-1167.83	562
3	GUIDE	used	261621400	6.95	927	1.000	-0.273	-0.316	0.110	0.180	198.901600	28.741982	1799.19	1414
4	GUIDE	used	261623624	9.09	927	1.000	0.076	0.019	0.159	0.253	199.611555	28.454113	-609.98	1958
5	GUIDE	used	261624456	7.30	927	1.000	-0.012	0.200	0.120	0.194	199.758056	28.567828	-977.12	1458
6	GUIDE	used	261626376	9.65	925	1.000	0.289	0.190	0.237	0.417	198.947288	29.347445	2109.85	-745
7	GUIDE	used	261629720	8.08	926	1.000	-0.048	-0.077	0.122	0.197	199.236176	29.044452	996.94	129

2.4 Star Slots

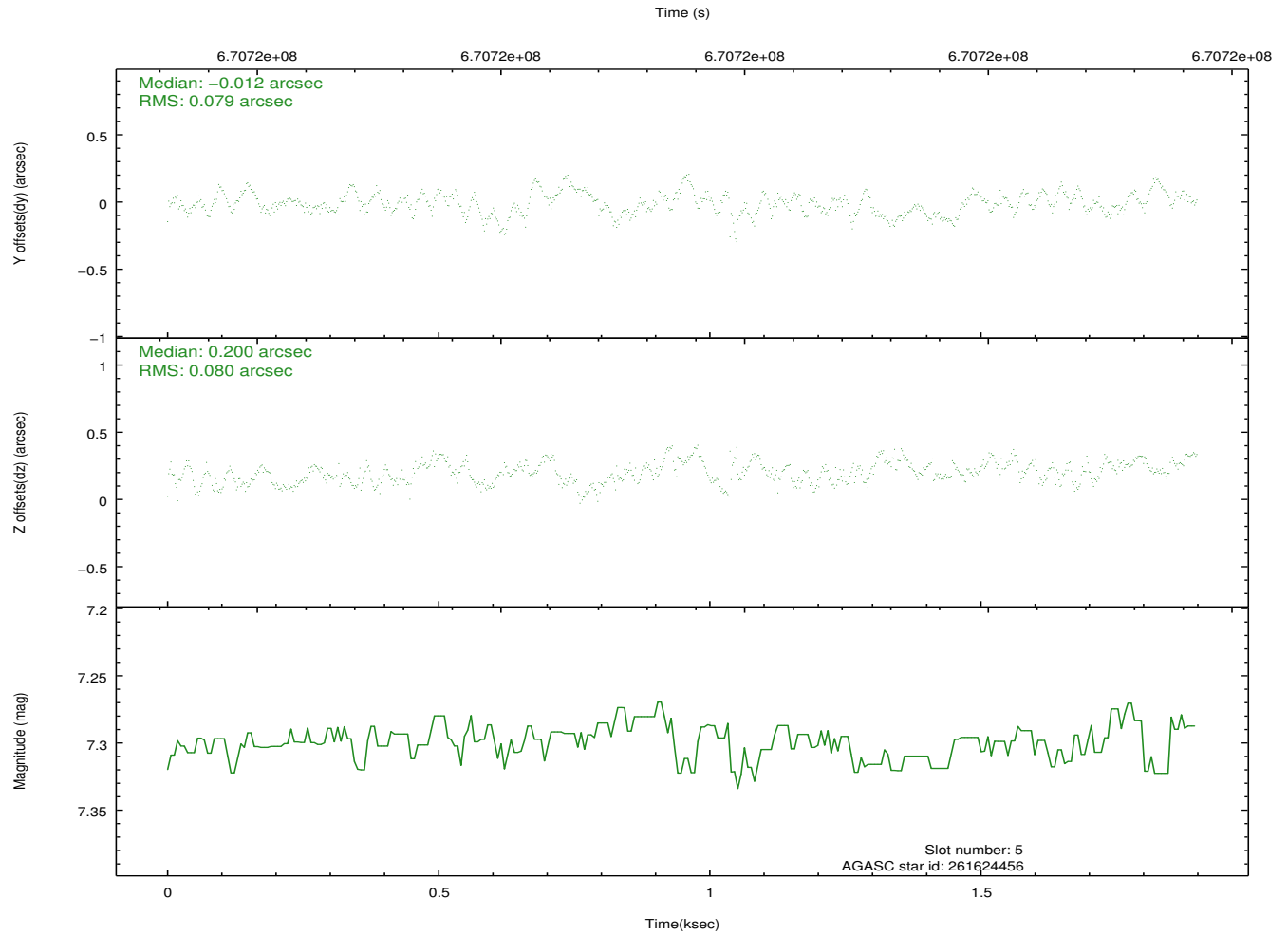
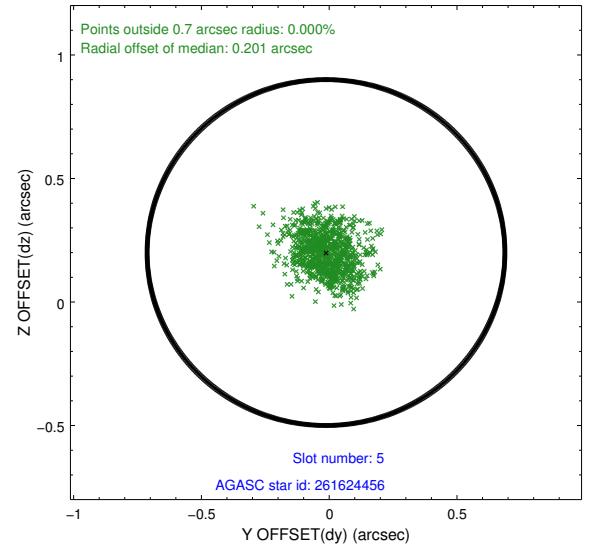
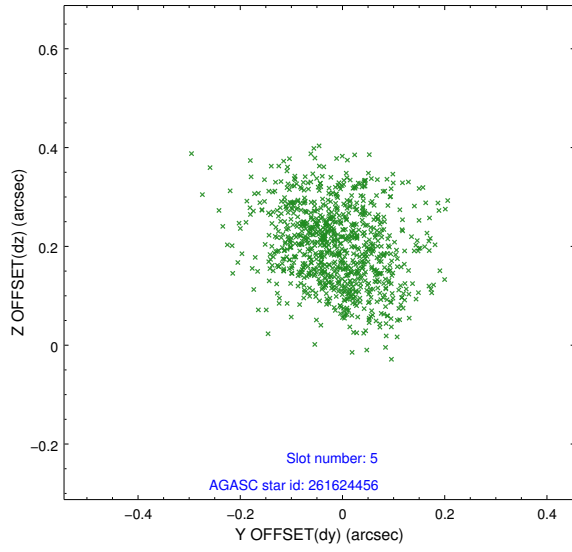
2.4.1 Slot 3



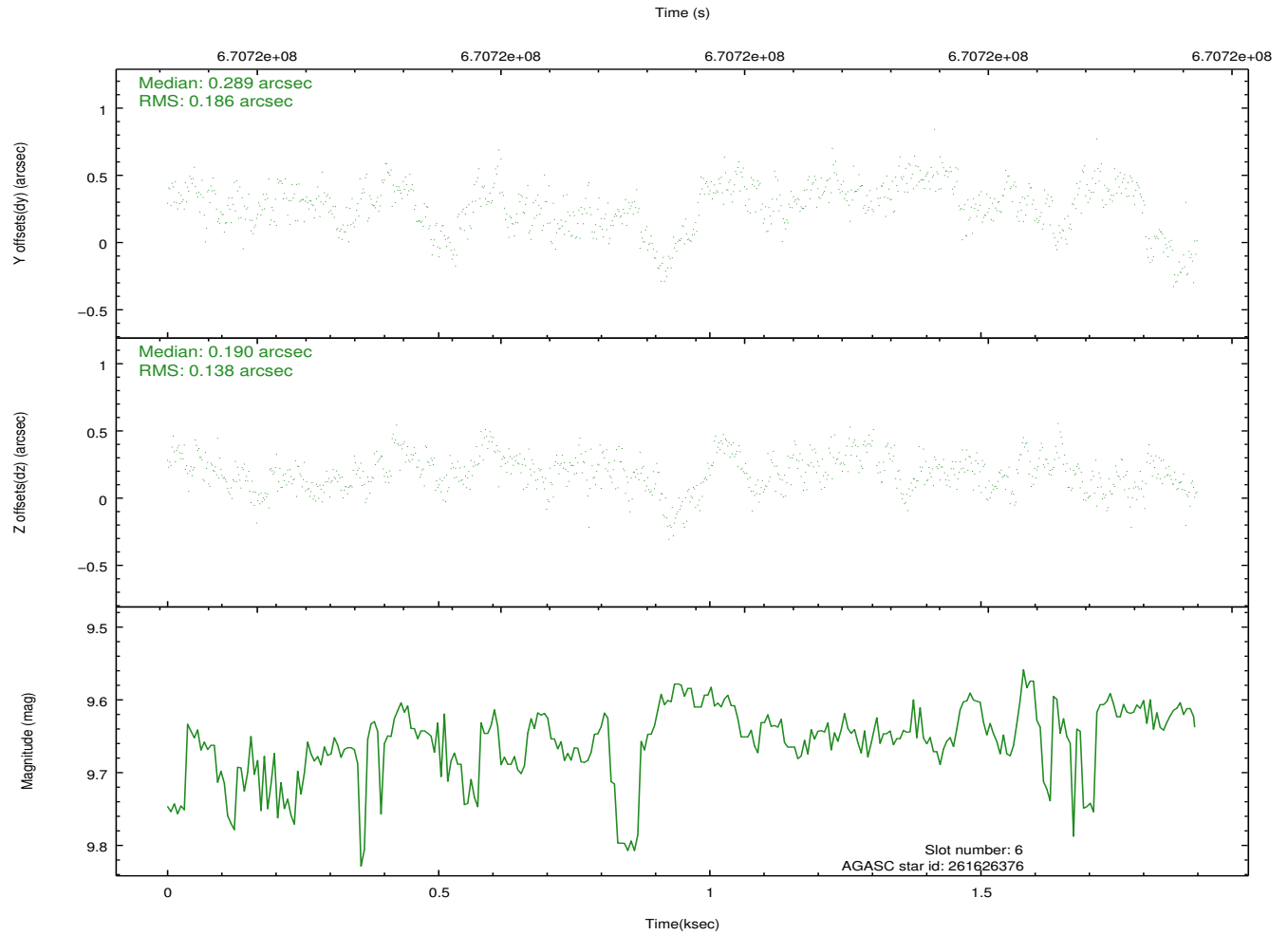
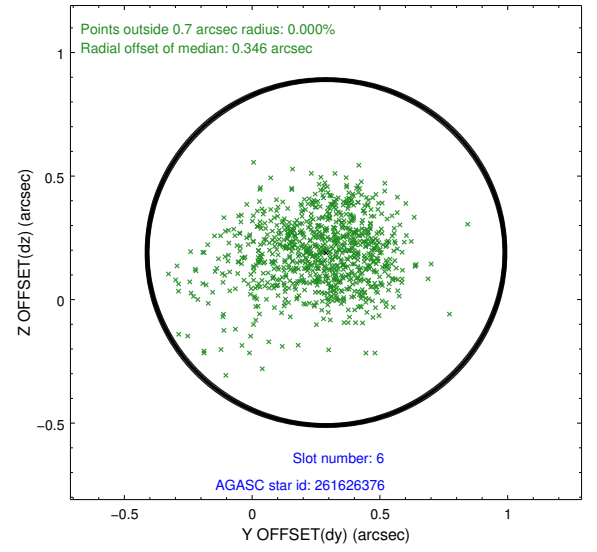
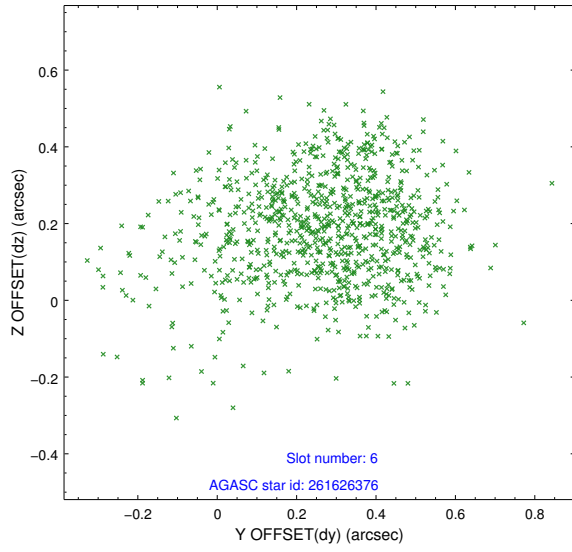
2.4.2 Slot 4



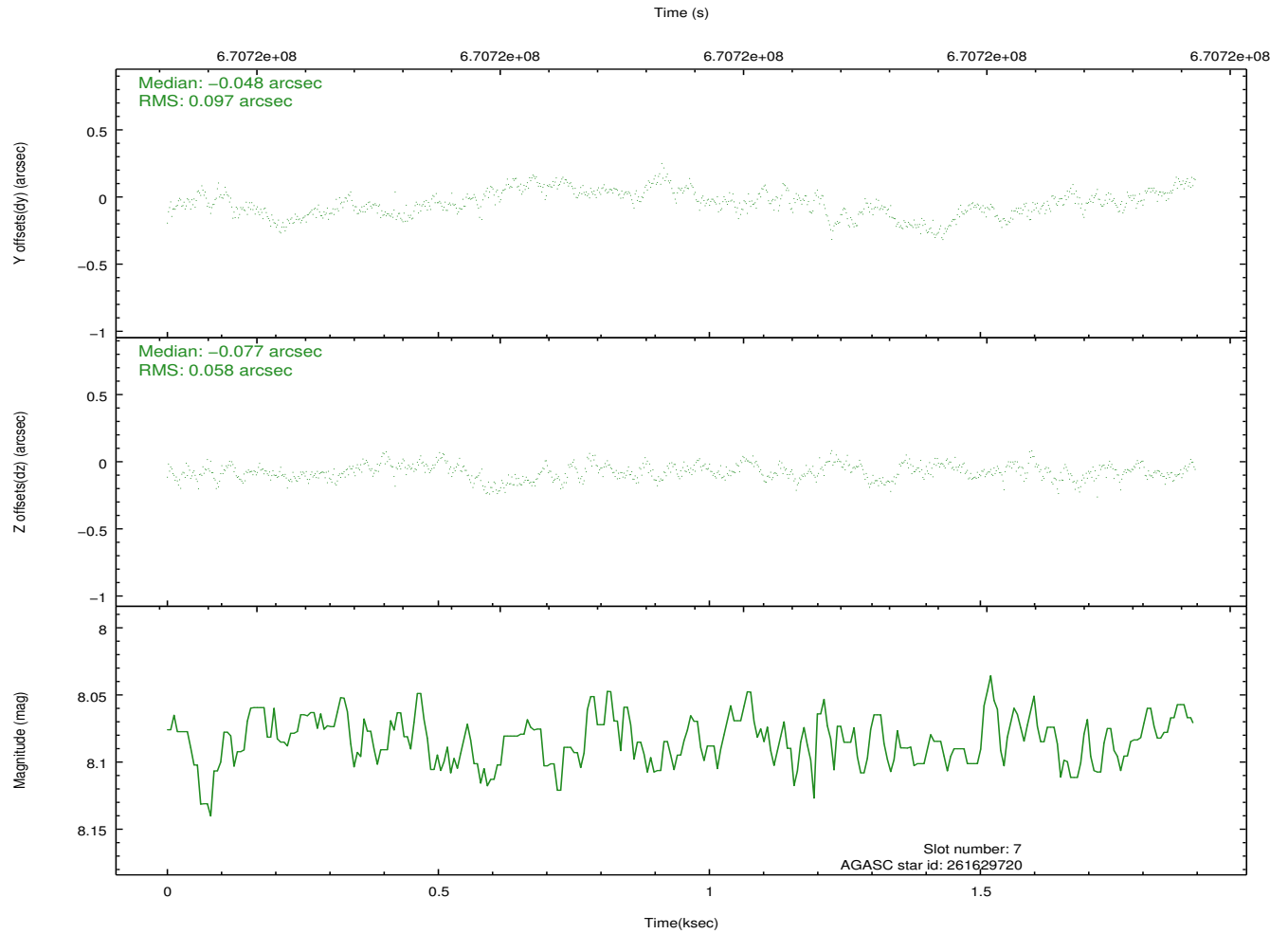
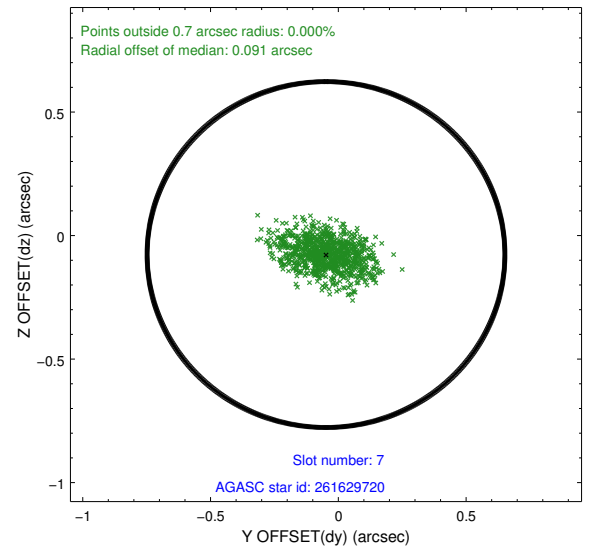
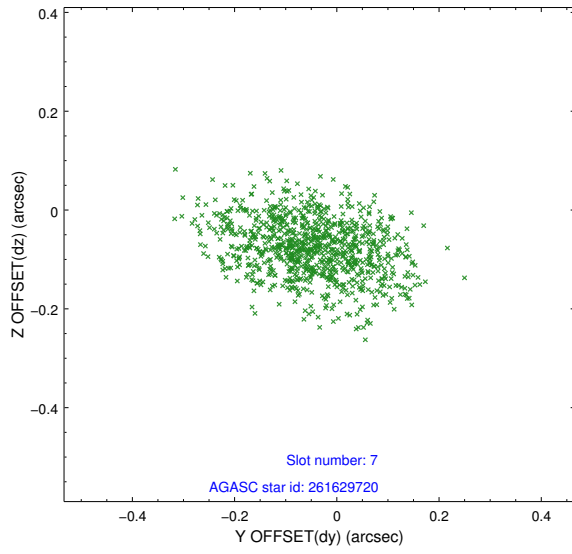
2.4.3 Slot 5



2.4.4 Slot 6

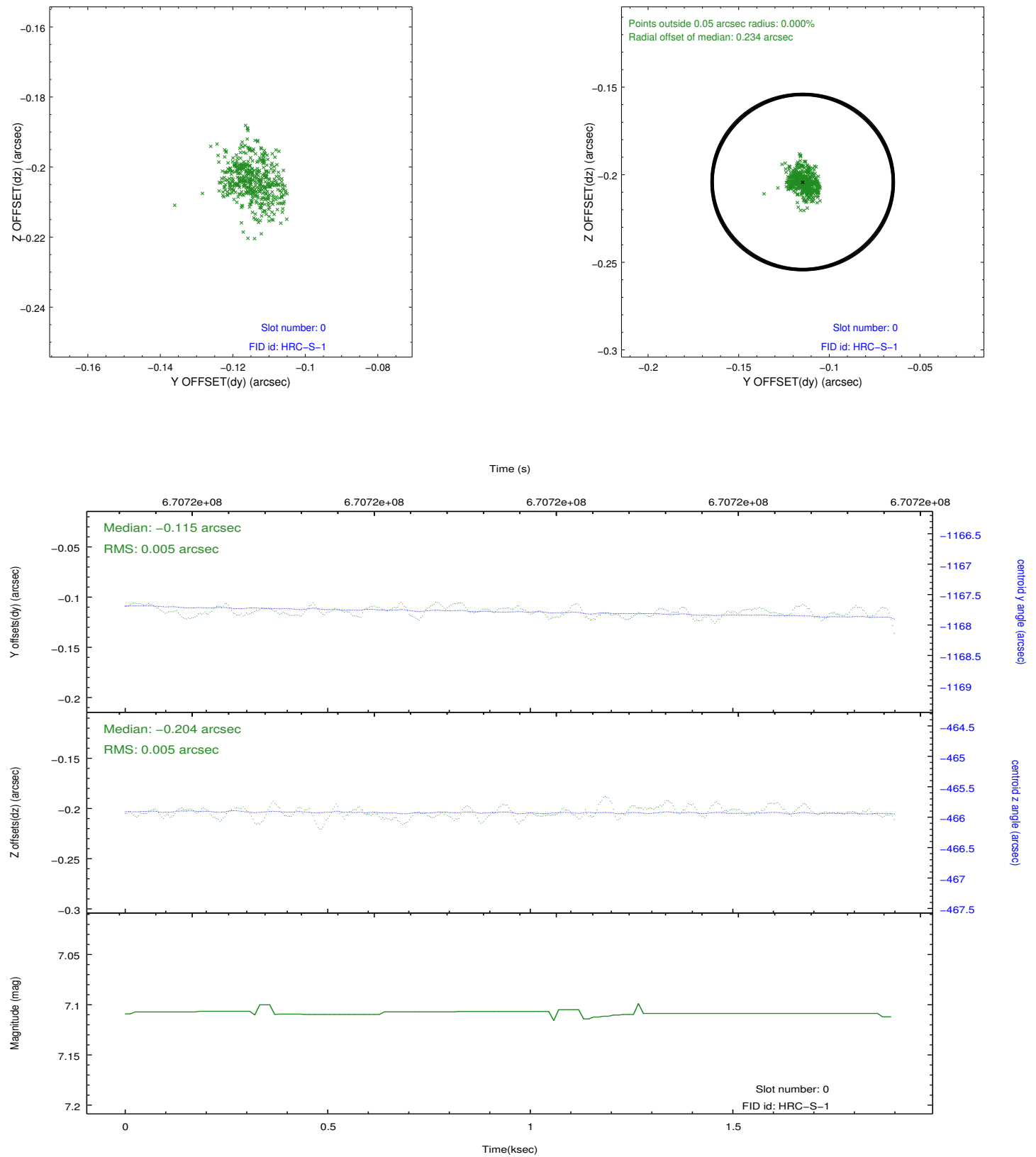


2.4.5 Slot 7

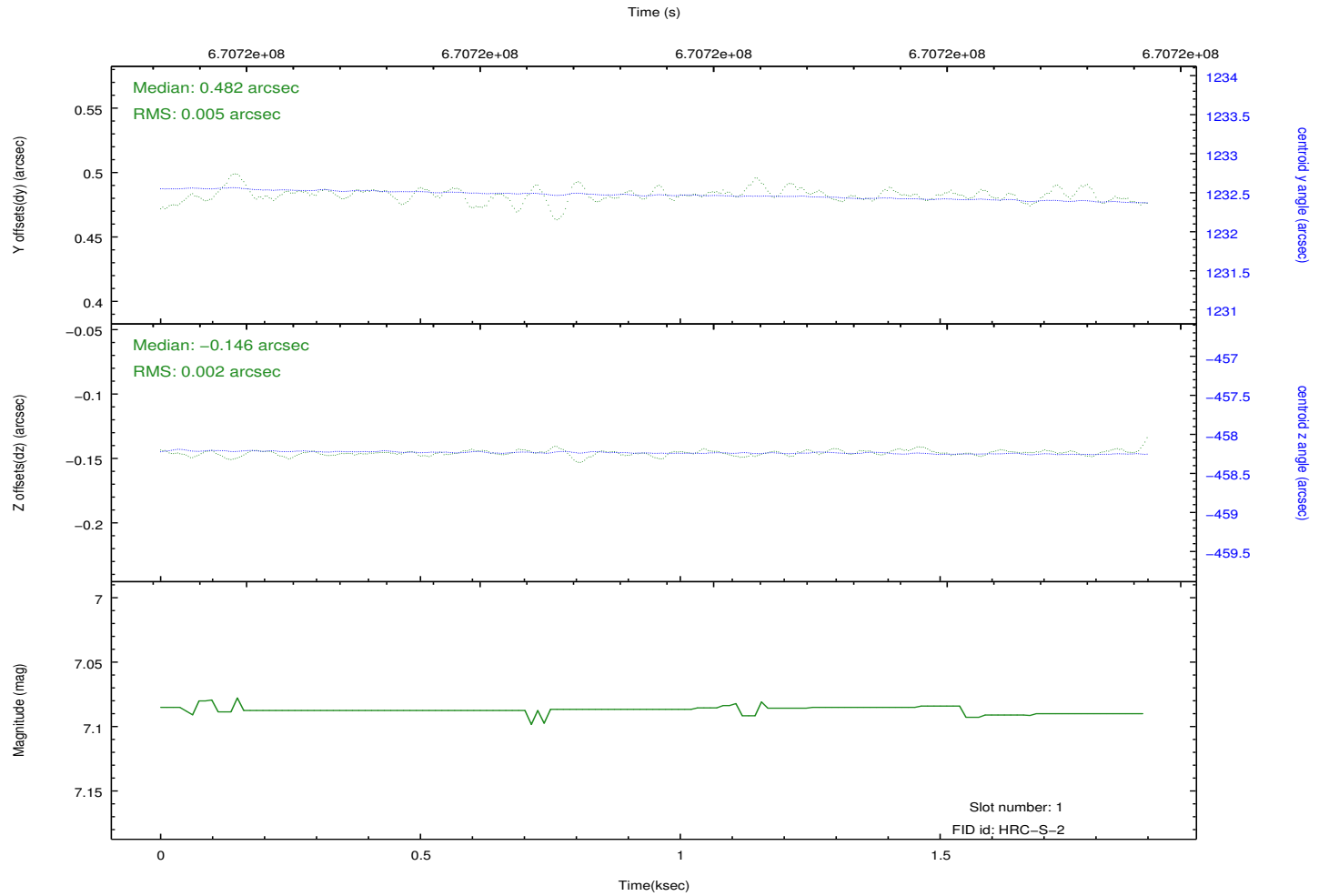
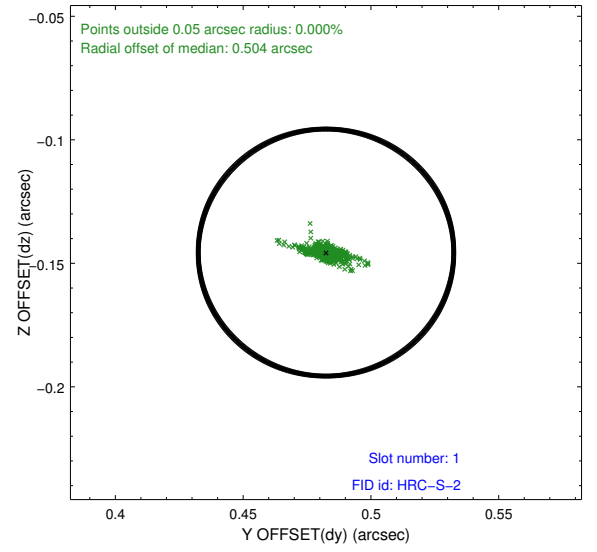
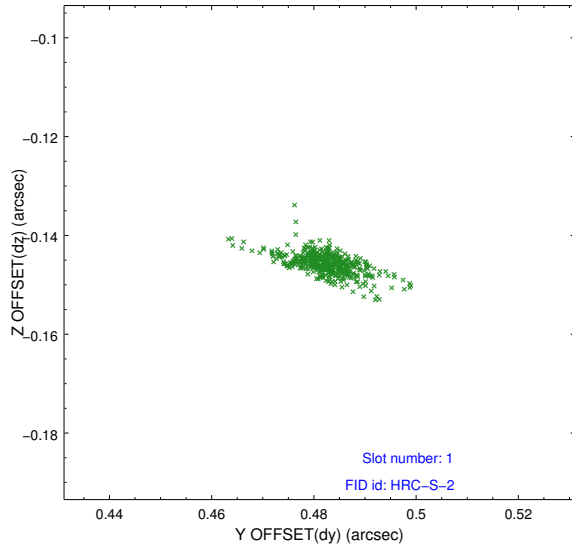


2.5 FID Slots

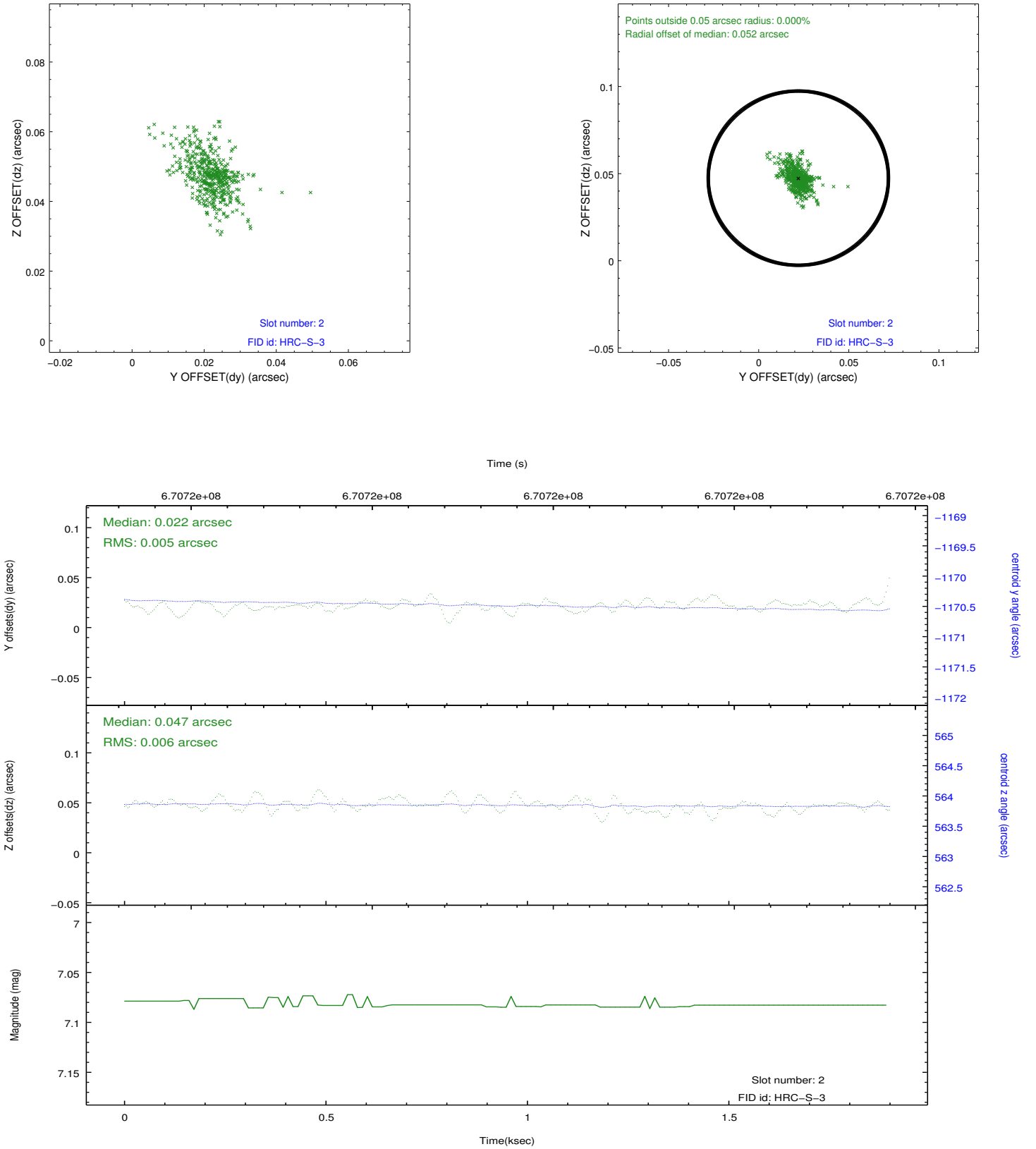
2.5.1 Slot 0



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)	2019.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.8975313637257

A.2 Comments