

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21789 - L2 Version 1
Chandra X-Ray Center

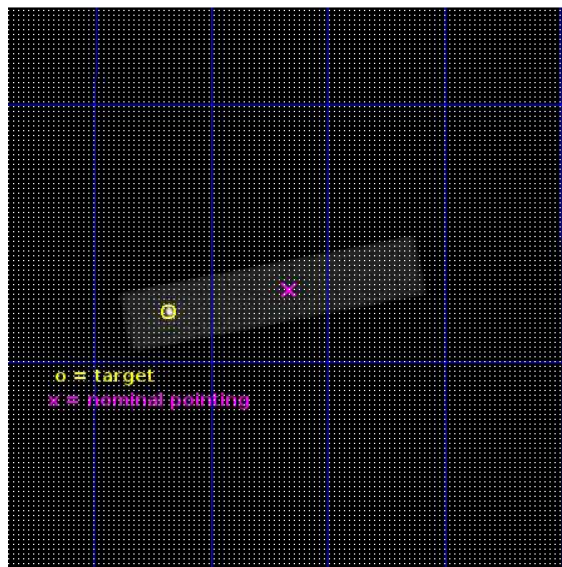
L2 Processing Date : Apr 4 2019

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1 Front

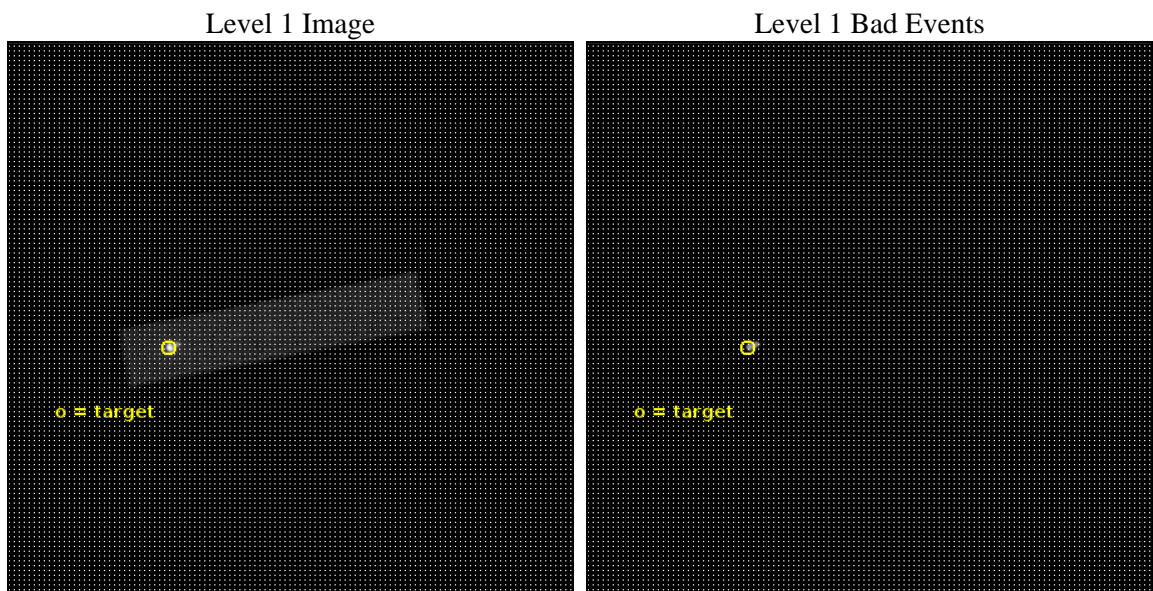
seq_num	291475	Sequence number
obs_id	21789	Observation id
title	AO-20 HRC-S Gain Calibration Observations of HZ43	Proposal title
observer	CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.090076	Observer's specified target RA [deg]
dec_targ	29.098119	Observer's specified target Dec [deg]
ra_nom	198.83233525393	Nominal RA [deg]
dec_nom	29.140554231015	Nominal Dec [deg]
roll_nom	168.41371613985	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1889.3313632011	[s]
livetime	1441.2948865573	Ontime multiplied by DTCOR
l2events	331834	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	1889.3313632011	[s]
caldbver	4.8.2	 	l1events	407109	Number of level 1 events
date	2019-04-04T11:34:27	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

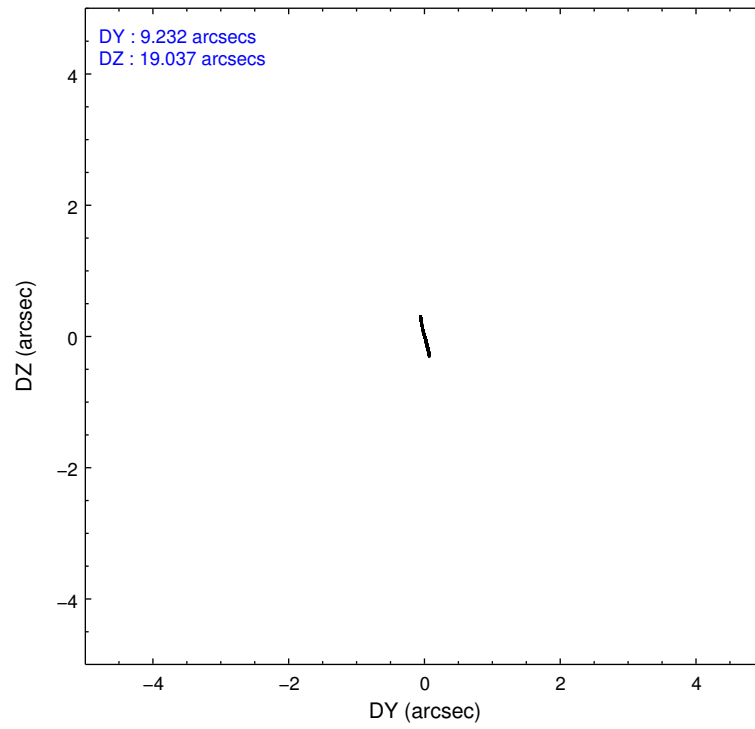
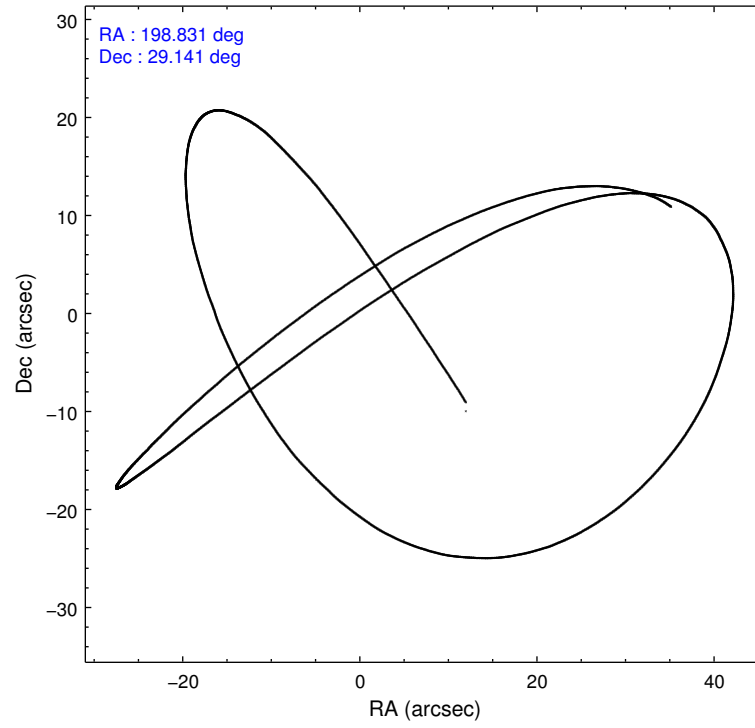
	segment 1	segment 2	segment 3
level 1 events	649	405784	676
rejected events	649	57414	676
rejected %	100%	14%	100%

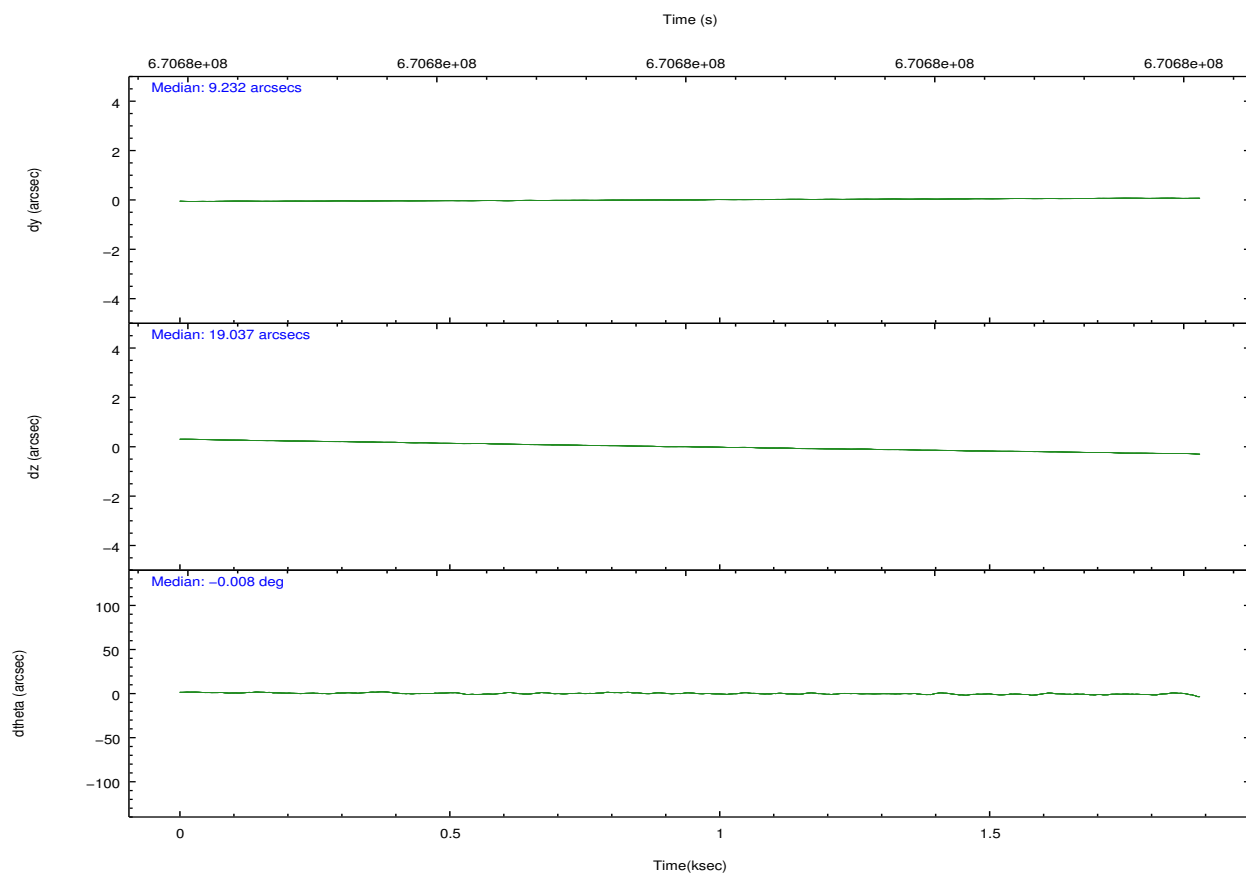
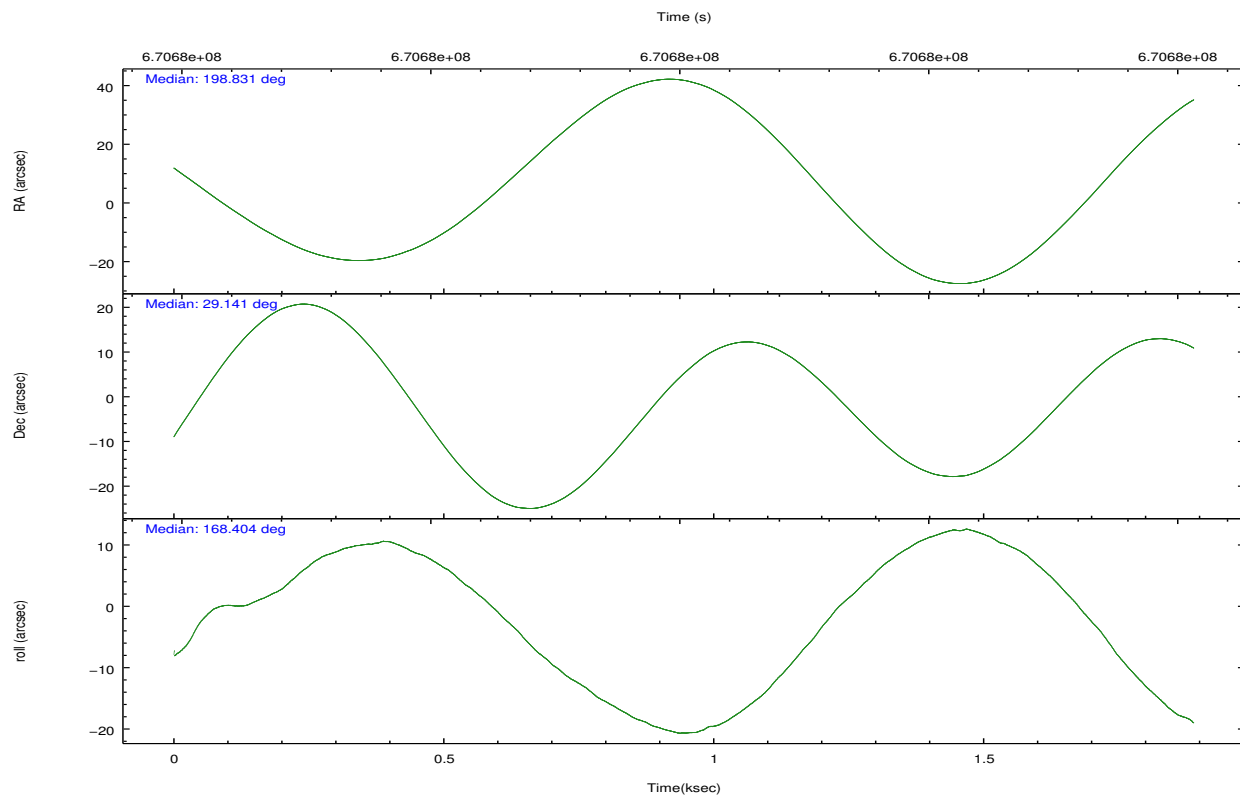
2.2 Compared Parameters

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	198.864469	198.8323352539251
[deg] Pointing Dec	29.150298	29.14055423101519
[deg] Pointing Roll	168.330727	168.4137161398493
[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)	670682262.184000	670681886.26485
Observation start date	2019-04-03T12:36:33	2019-04-03T12:31:26
[s] Observation end time (MET)	670683962.184000	670684096.1649801
Observation end date	2019-04-03T13:04:53	2019-04-03T13:08:16

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

2.3 Aspect



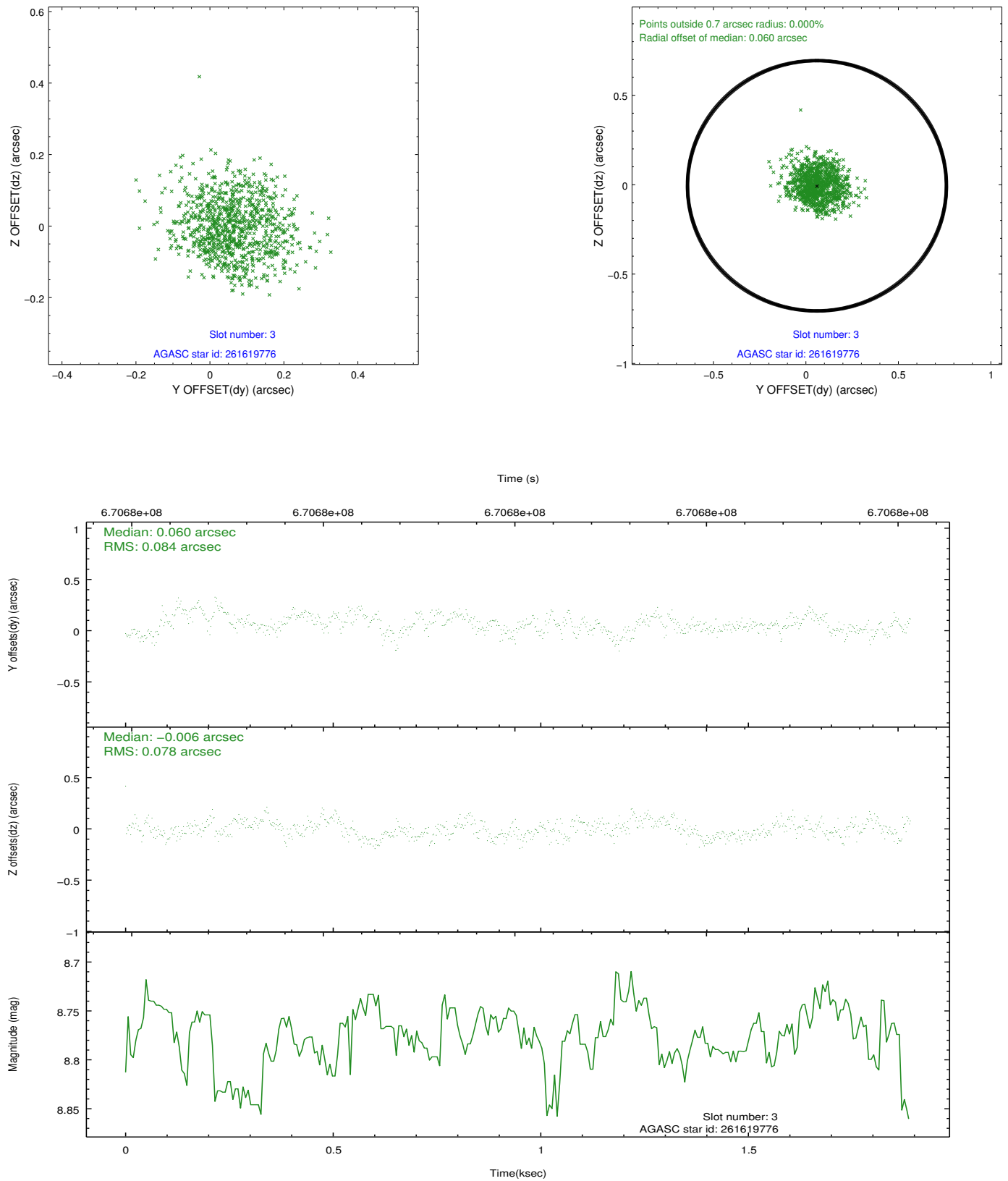


Slot Statistics

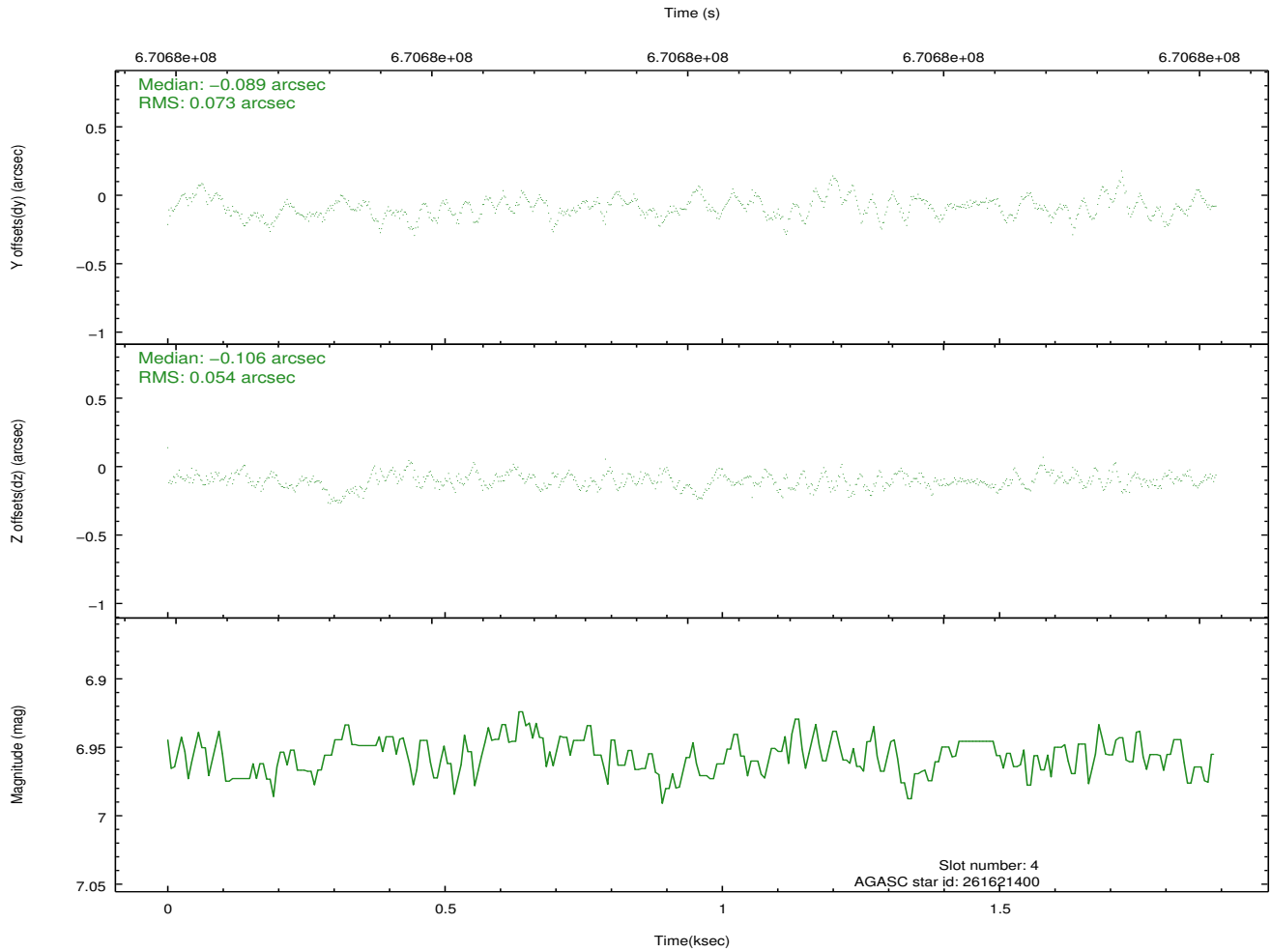
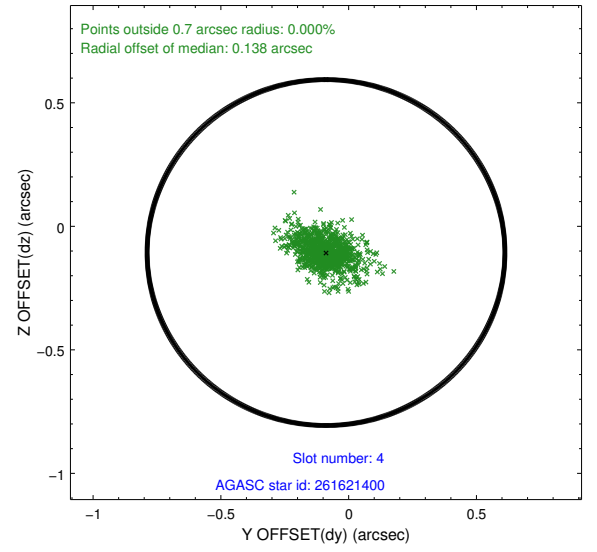
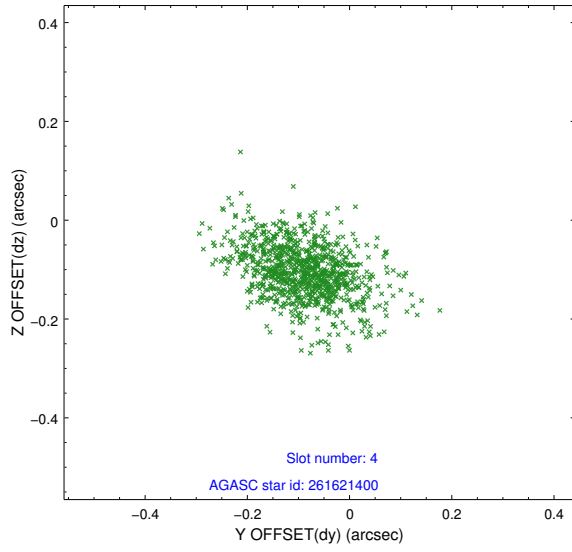
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.09	461	1.000	-0.053	-0.220	0.009	0.016	0.000000	0.000000	-1163.54	-468
1	FID		HRC-S-2	7.05	461	1.000	0.395	-0.135	0.005	0.011	0.000000	0.000000	1234.04	-461
2	FID		HRC-S-3	7.07	461	1.000	0.048	0.053	0.009	0.016	0.000000	0.000000	-1163.57	560
3	GUIDE	used	261619776	8.77	923	1.000	0.060	-0.006	0.123	0.193	198.654383	29.401174	822.92	-749
4	GUIDE	used	261621400	6.96	923	1.000	-0.089	-0.106	0.092	0.166	198.901600	28.741982	-415.08	1416
5	GUIDE	used	261624080	7.09	923	1.000	0.078	-0.034	0.094	0.171	198.424651	29.817768	1827.94	-2073
6	GUIDE	used	261626352	8.58	919	1.000	-0.004	-0.048	0.132	0.225	198.417097	29.781420	1830.04	-1946
7	GUIDE	used	261629720	8.08	922	1.000	-0.045	0.185	0.094	0.154	199.236176	29.044452	-1224.35	134

2.4 Star Slots

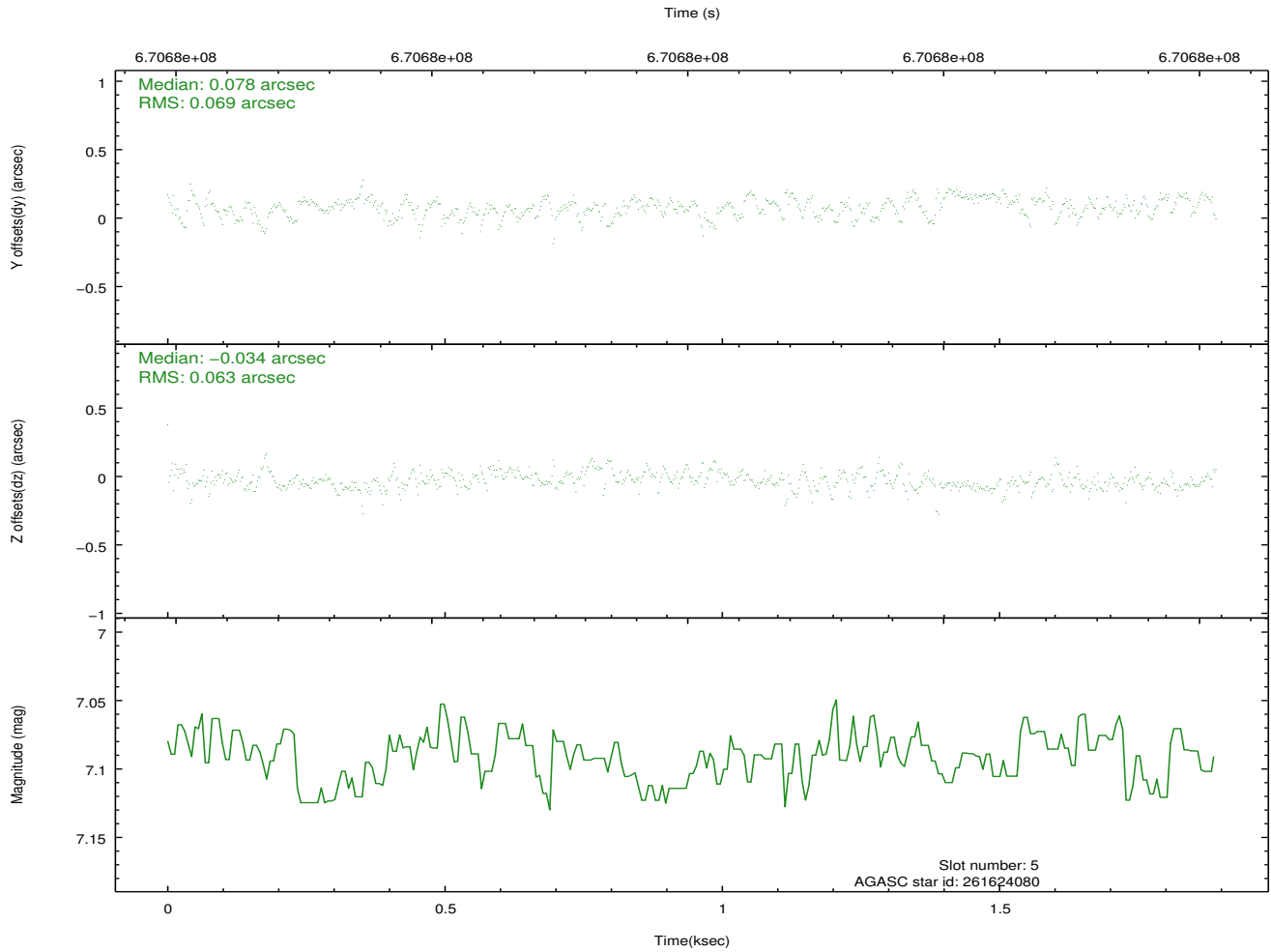
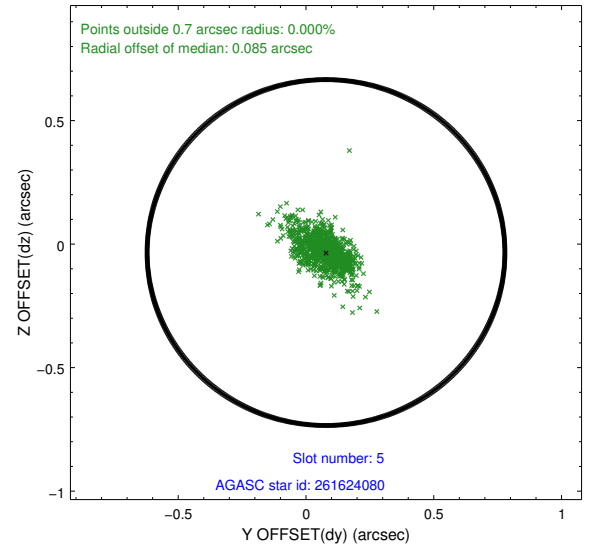
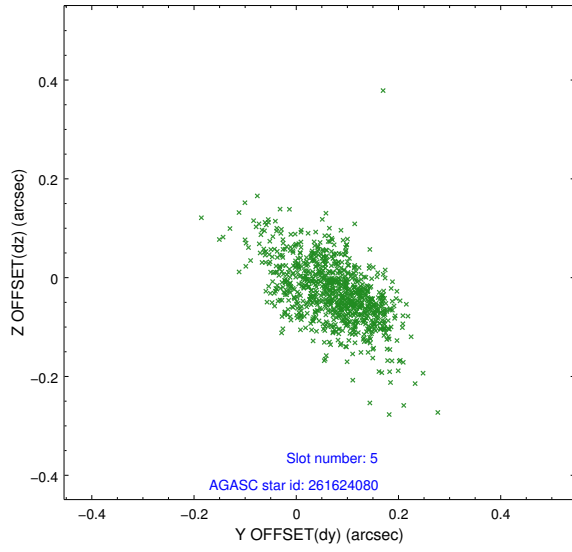
2.4.1 Slot 3



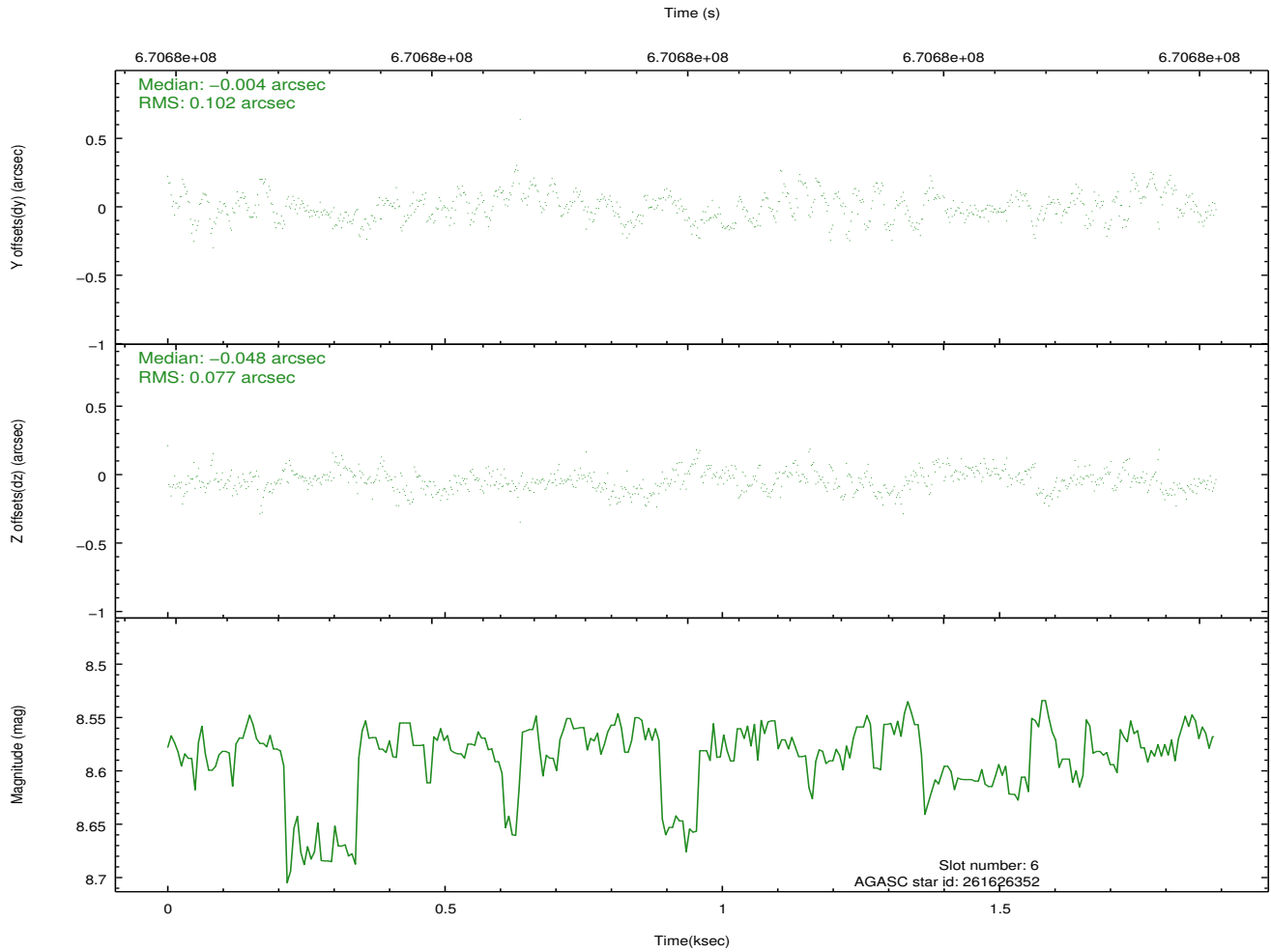
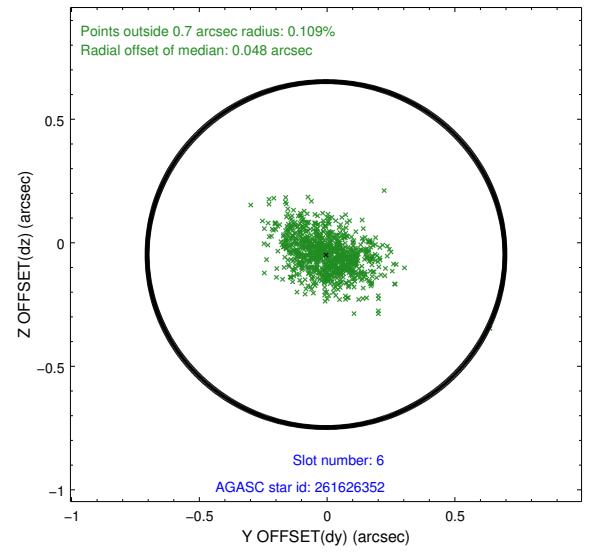
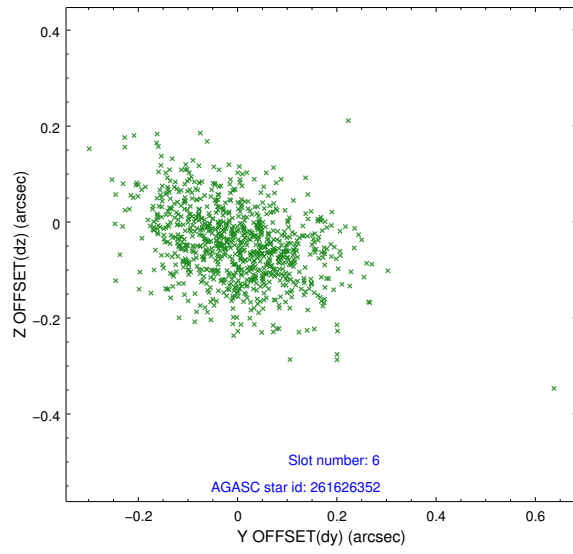
2.4.2 Slot 4



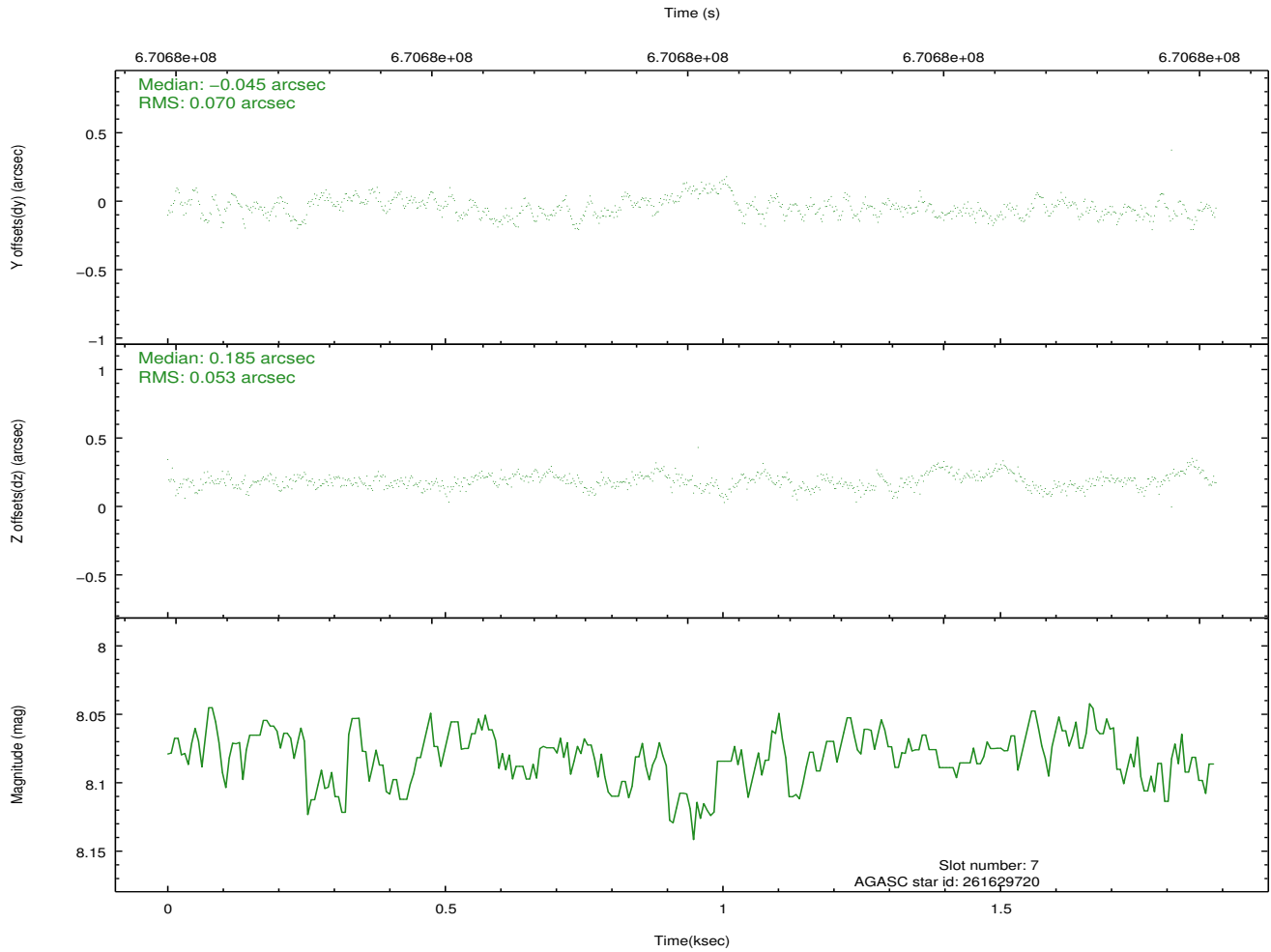
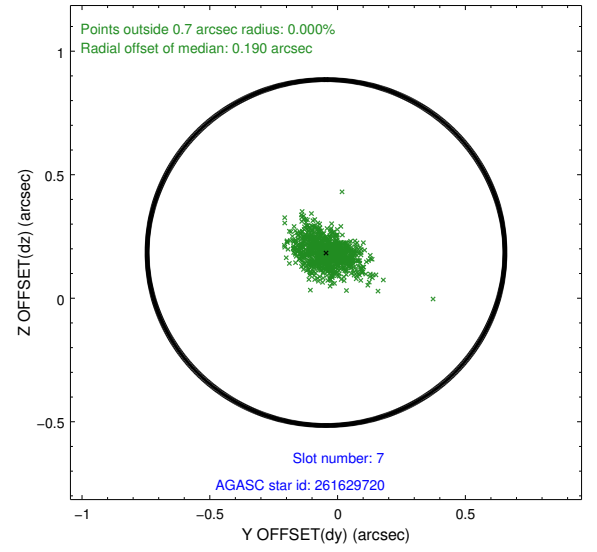
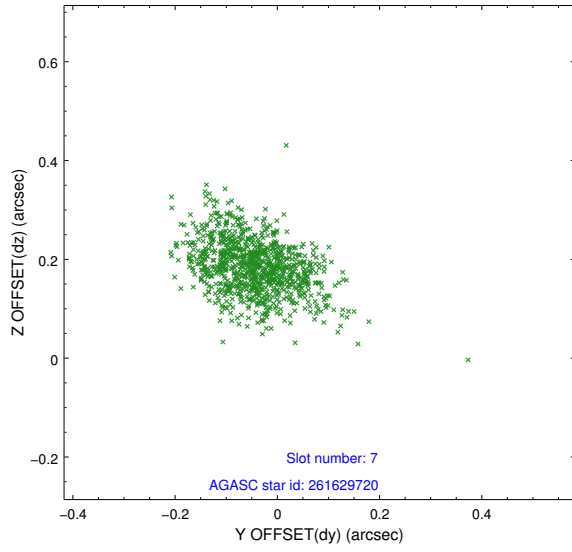
2.4.3 Slot 5



2.4.4 Slot 6

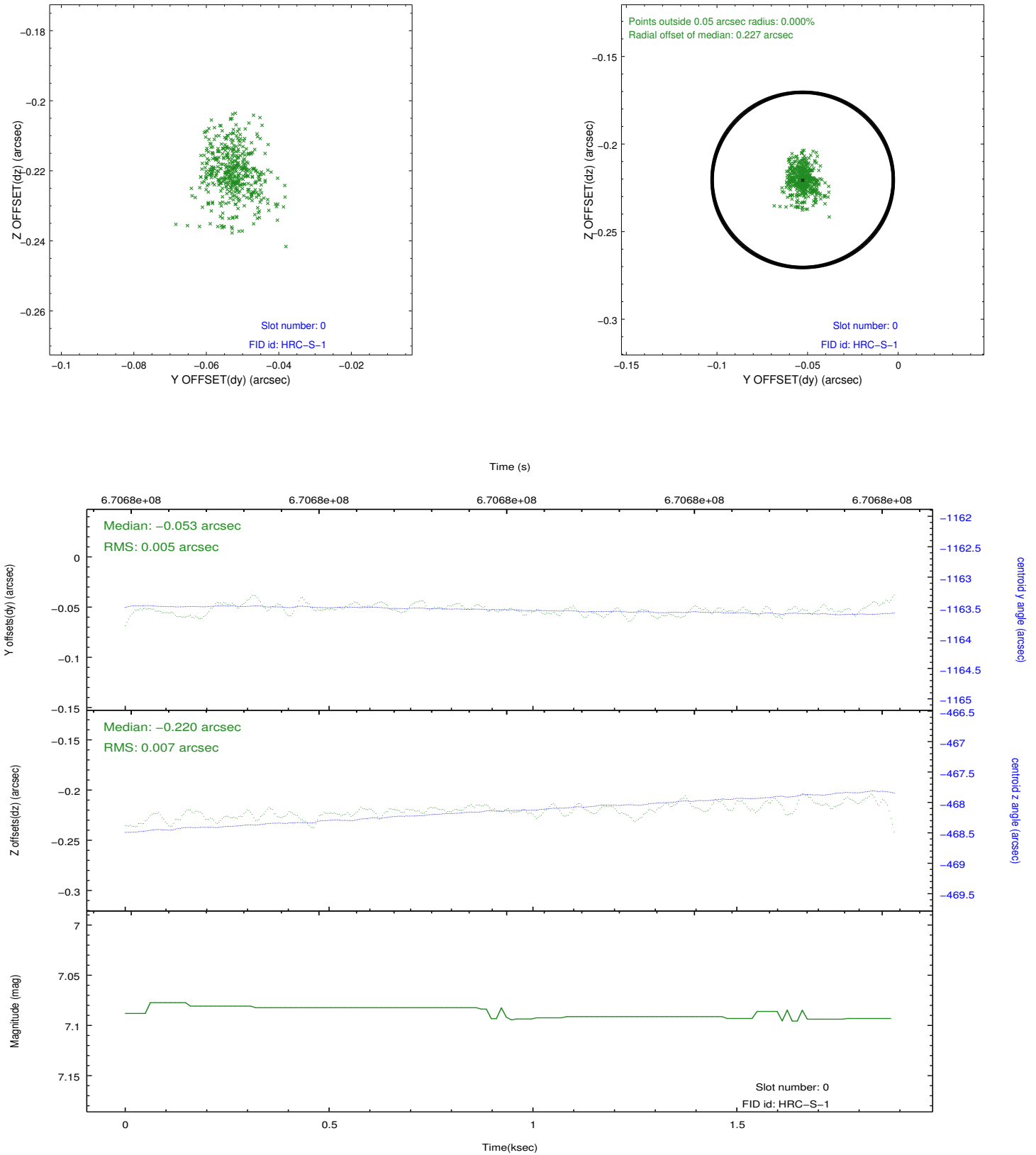


2.4.5 Slot 7

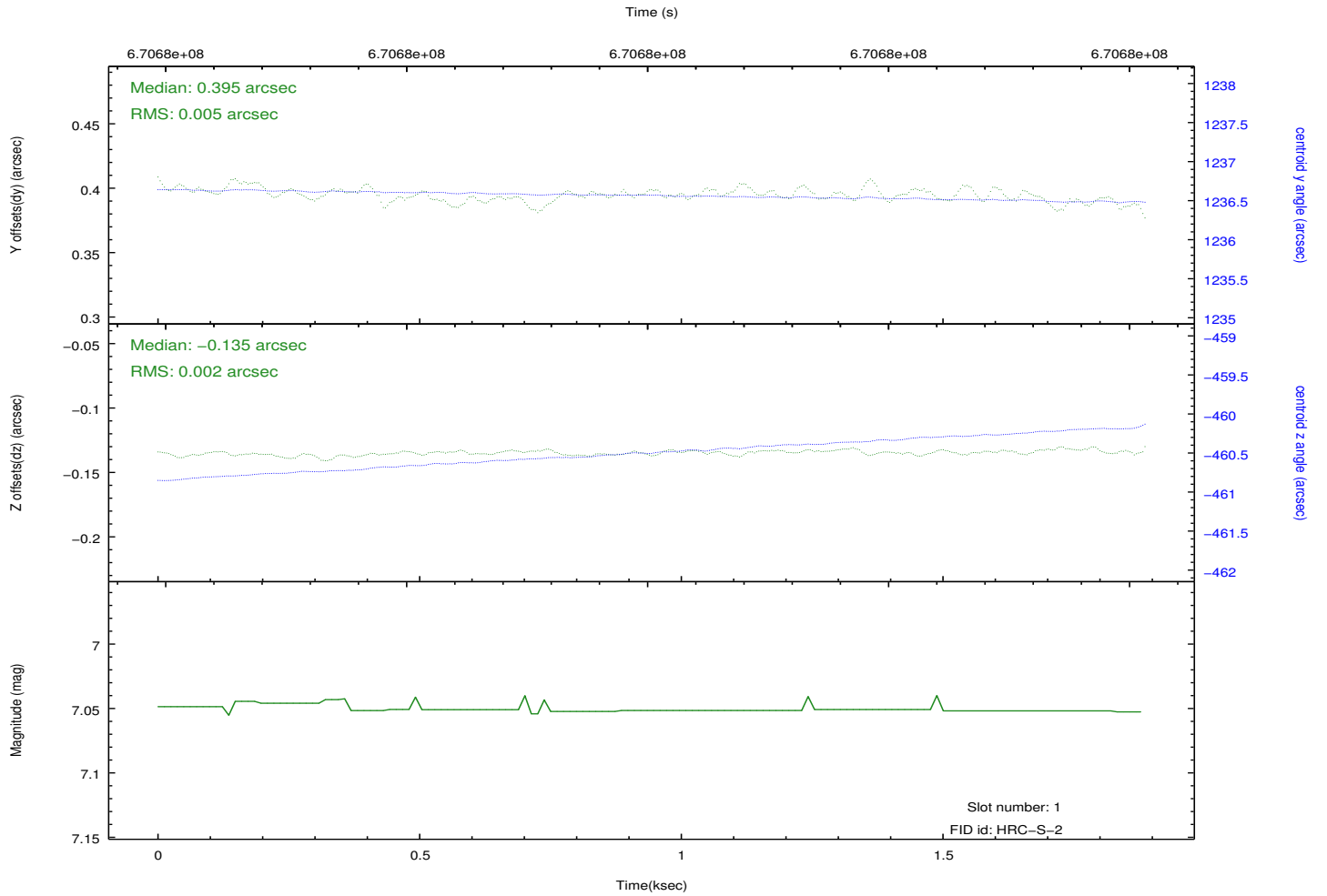
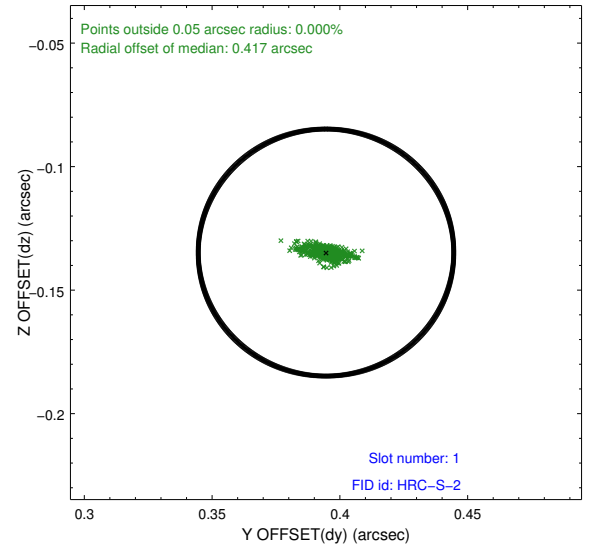
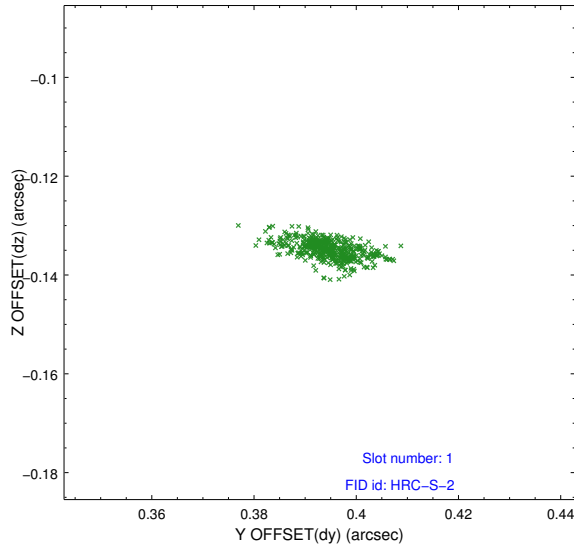


2.5 FID Slots

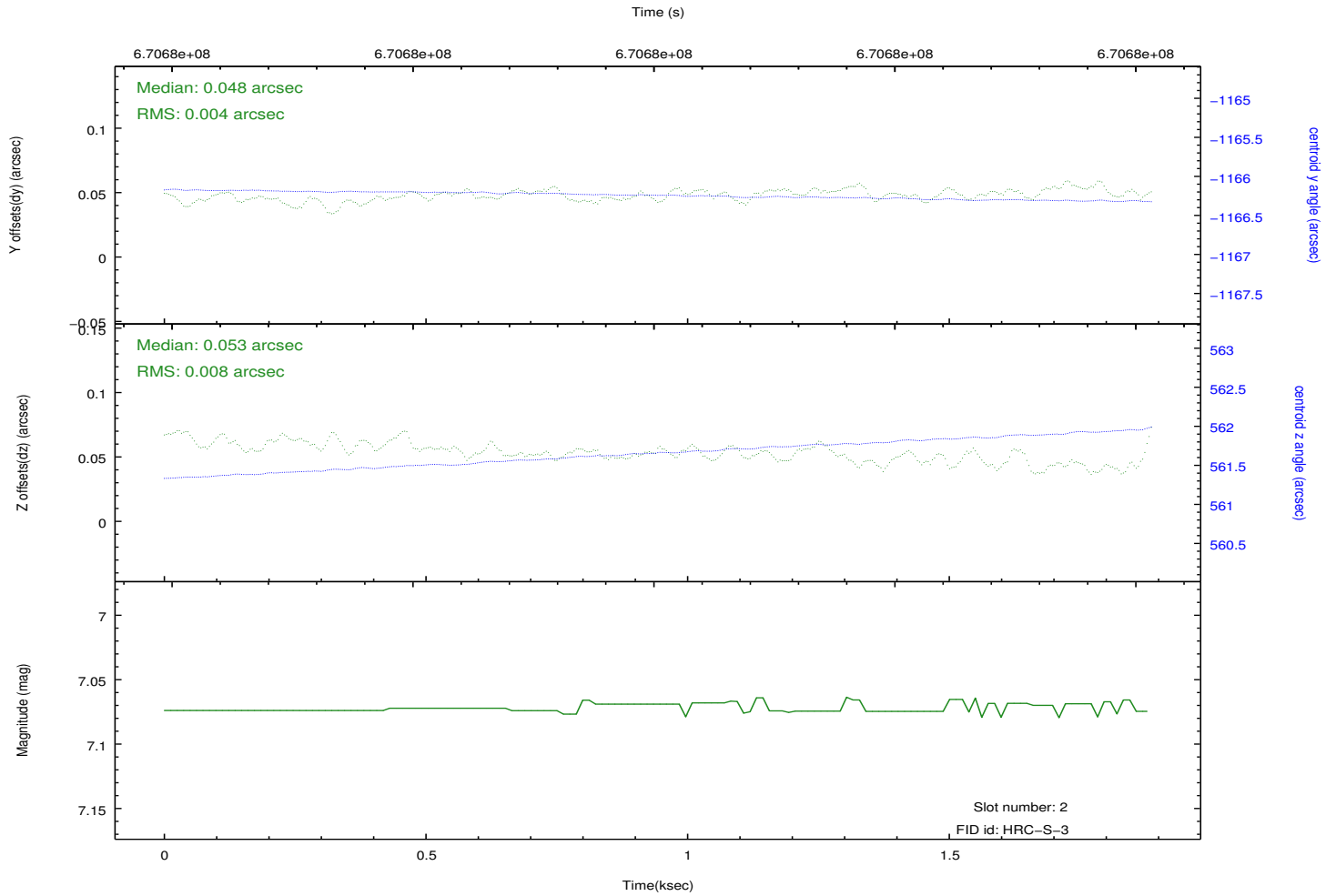
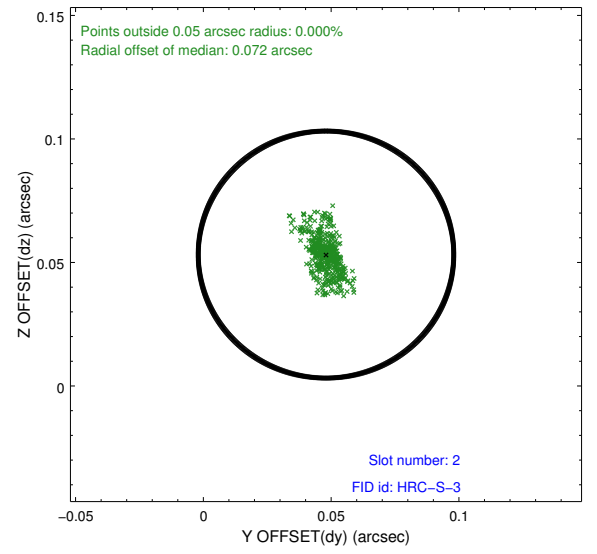
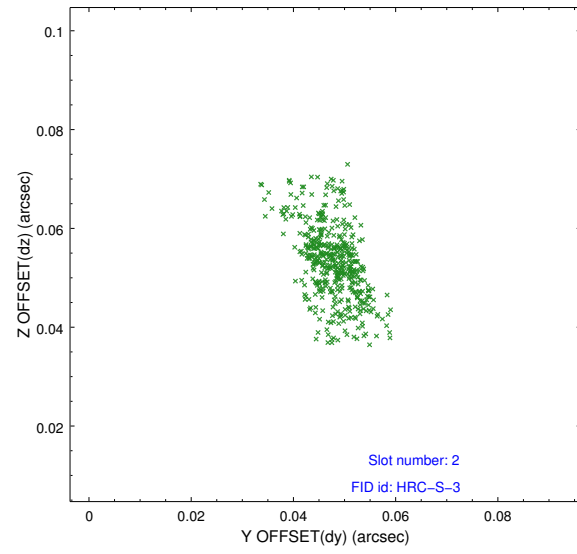
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2019.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.8893313632011

A.2 Comments