

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21791 - L2 Version 1
Chandra X-Ray Center

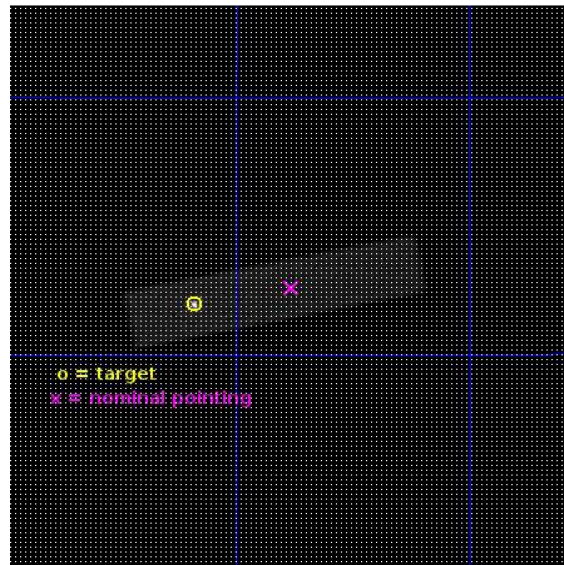
L2 Processing Date : Apr 4 2019

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1 Front

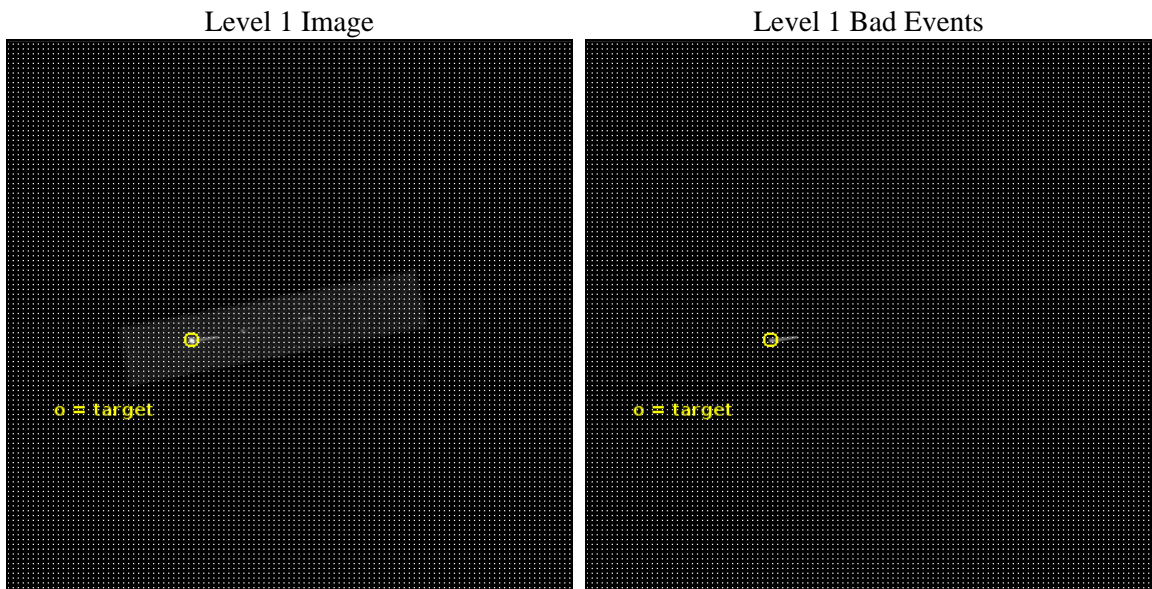
seq_num	291477	Sequence number
obs_id	21791	Observation id
title	AO-20 HRC-S Gain Calibration Observations of HZ43	Proposal title
observer	CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.090076	Observer's specified target RA [deg]
dec_targ	29.098119	Observer's specified target Dec [deg]
ra_nom	198.88136573893	Nominal RA [deg]
dec_nom	29.130754198416	Nominal Dec [deg]
roll_nom	168.41205329557	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1891.1251132488	[s]
livetime	1399.956700727	Ontime multiplied by DTCOR
l2events	331146	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	1891.1251132488	[s]
caldsver	4.8.2	 	l1events	407106	Number of level 1 events
date	2019-04-04T11:34:30	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

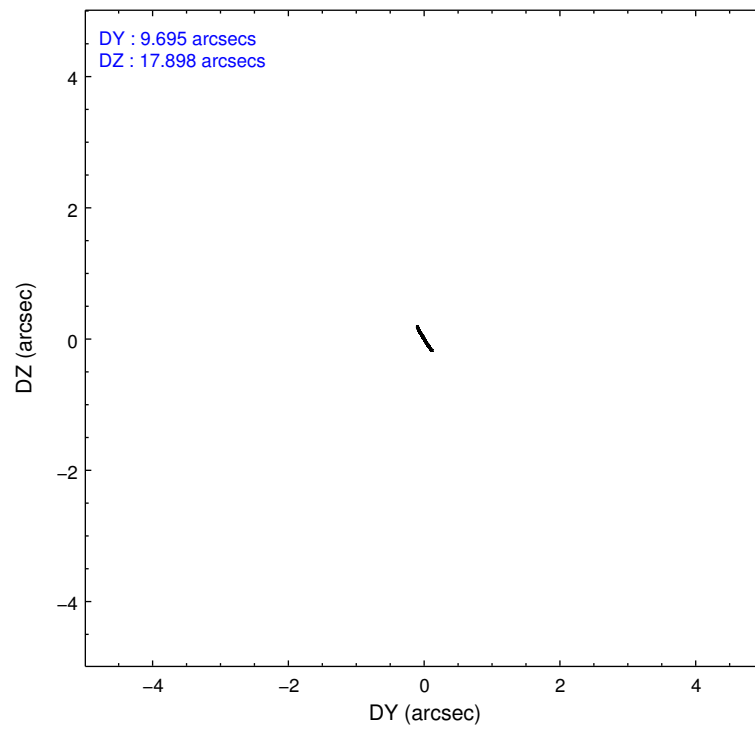
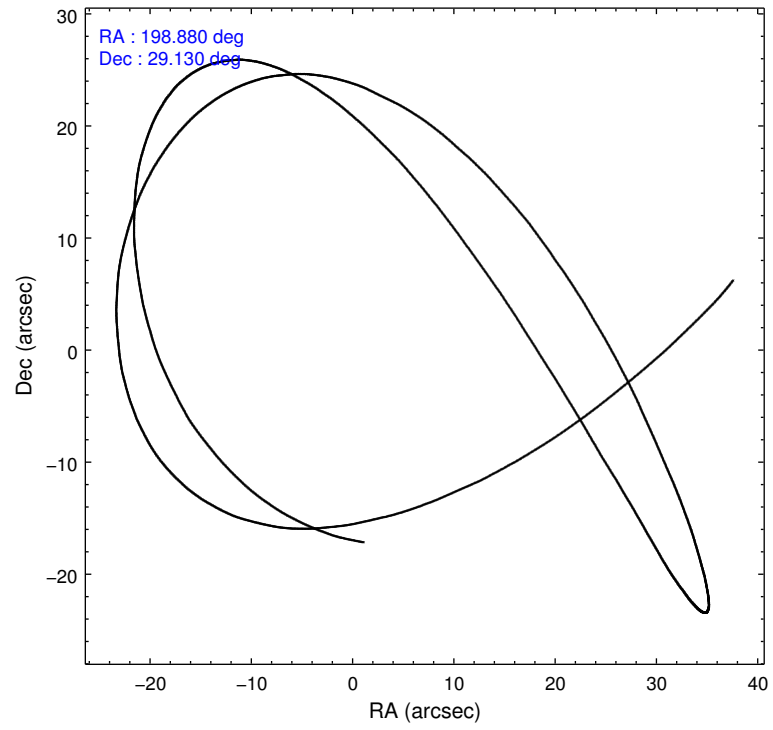
	segment 1	segment 2	segment 3
level 1 events	665	405797	644
rejected events	665	57094	644
rejected %	100%	14%	100%

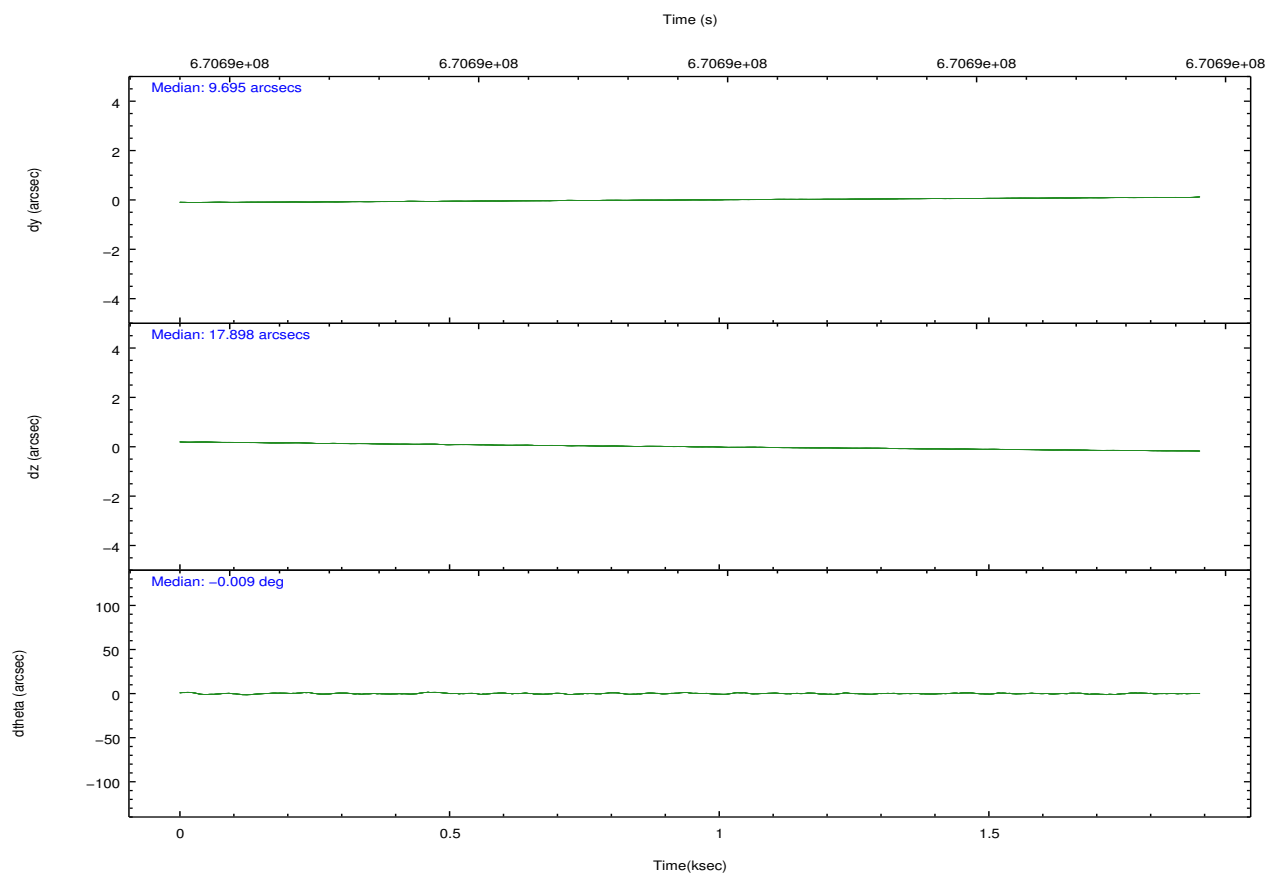
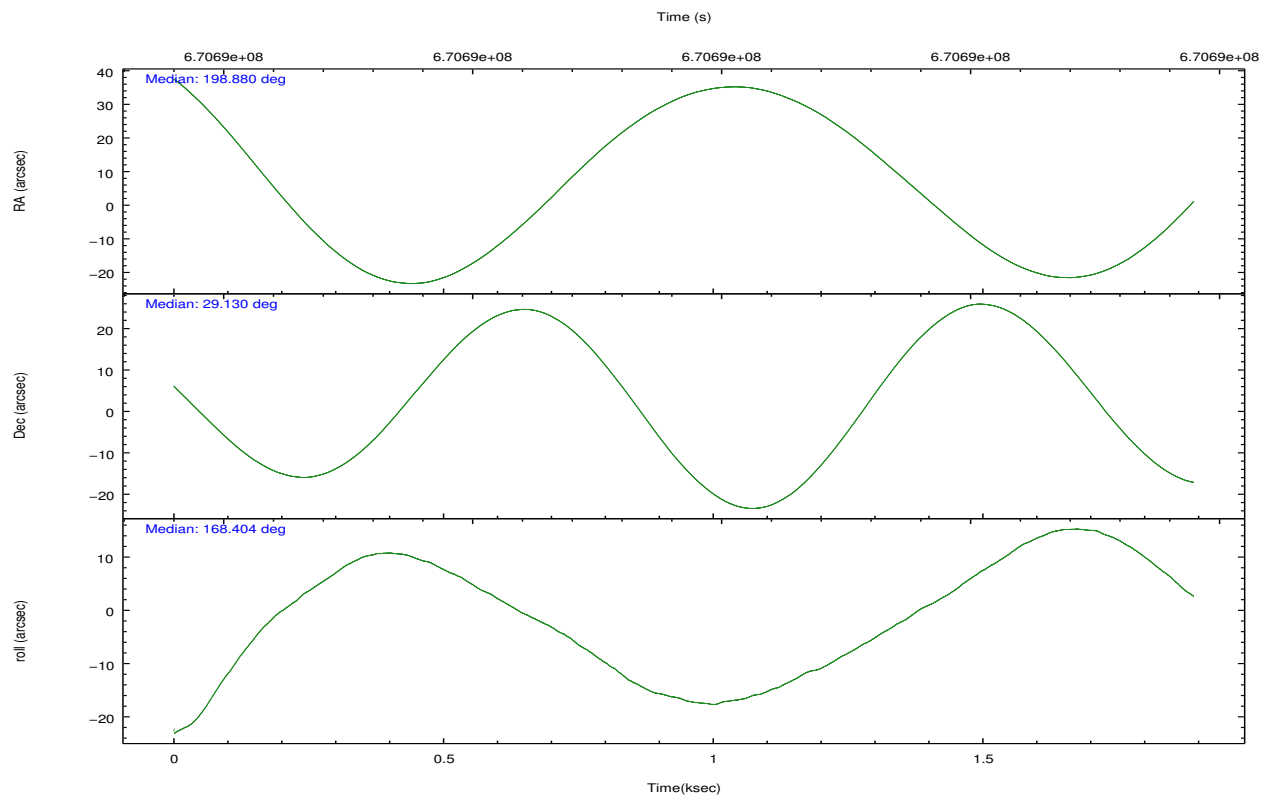
2.2 Compared Parameters

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	198.913535	198.8813657389344
[deg] Pointing Dec	29.141351	29.13075419841647
[deg] Pointing Roll	168.329052	168.4120532955666
[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)	670686682.184000	670686306.57761
Observation start date	2019-04-03T13:50:13	2019-04-03T13:45:06
[s] Observation end time (MET)	670688382.184000	670688516.4777499
Observation end date	2019-04-03T14:18:33	2019-04-03T14:21:56

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

2.3 Aspect



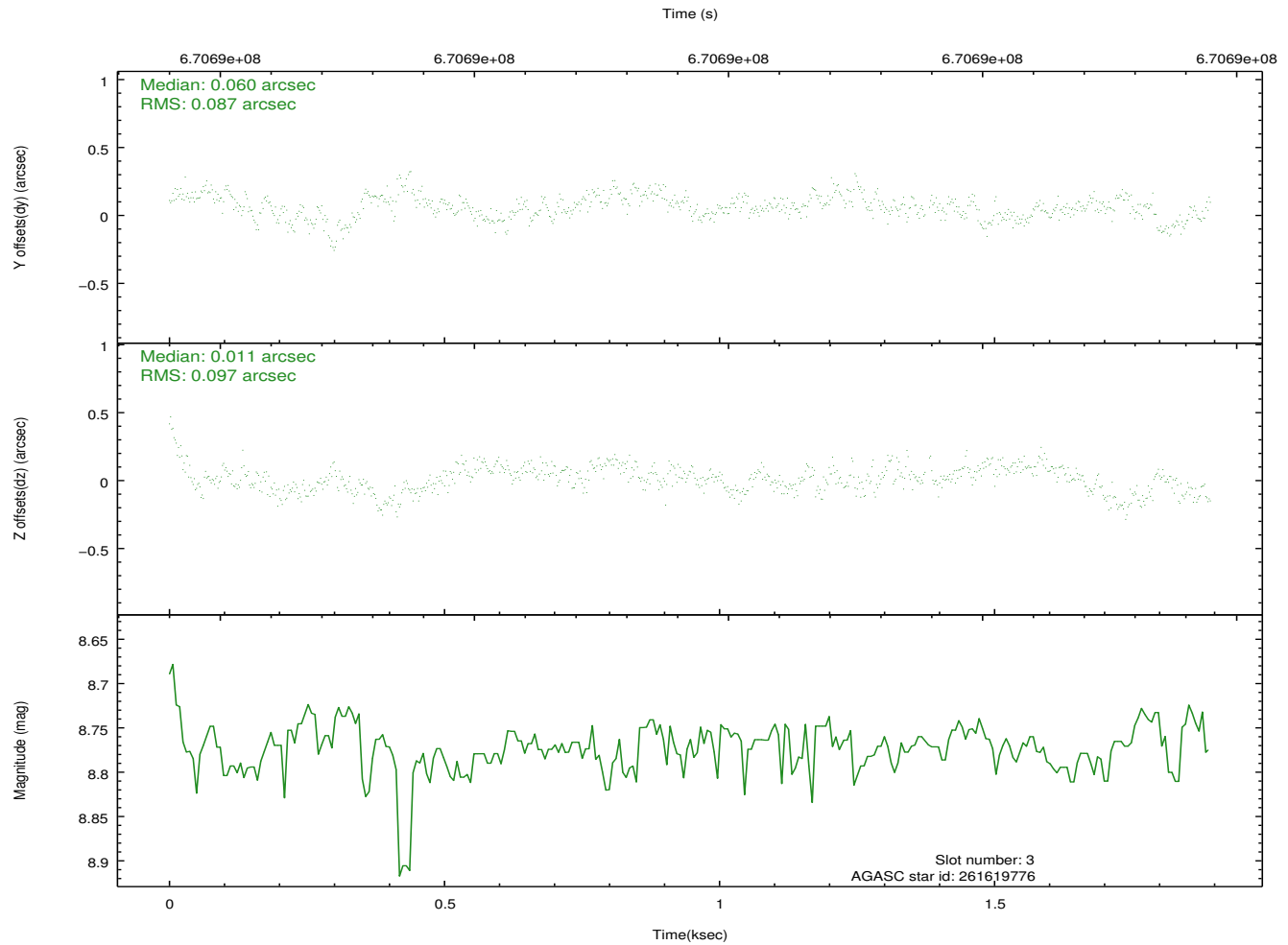
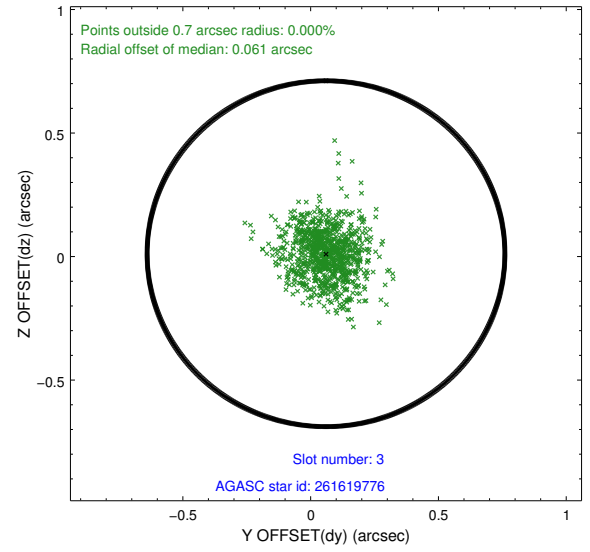
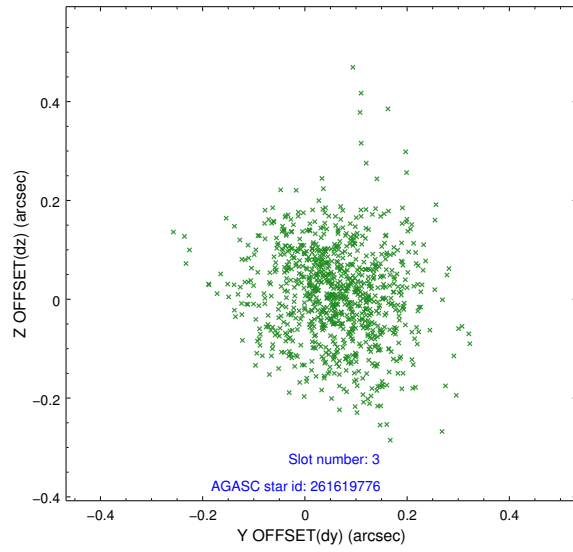


Slot Statistics

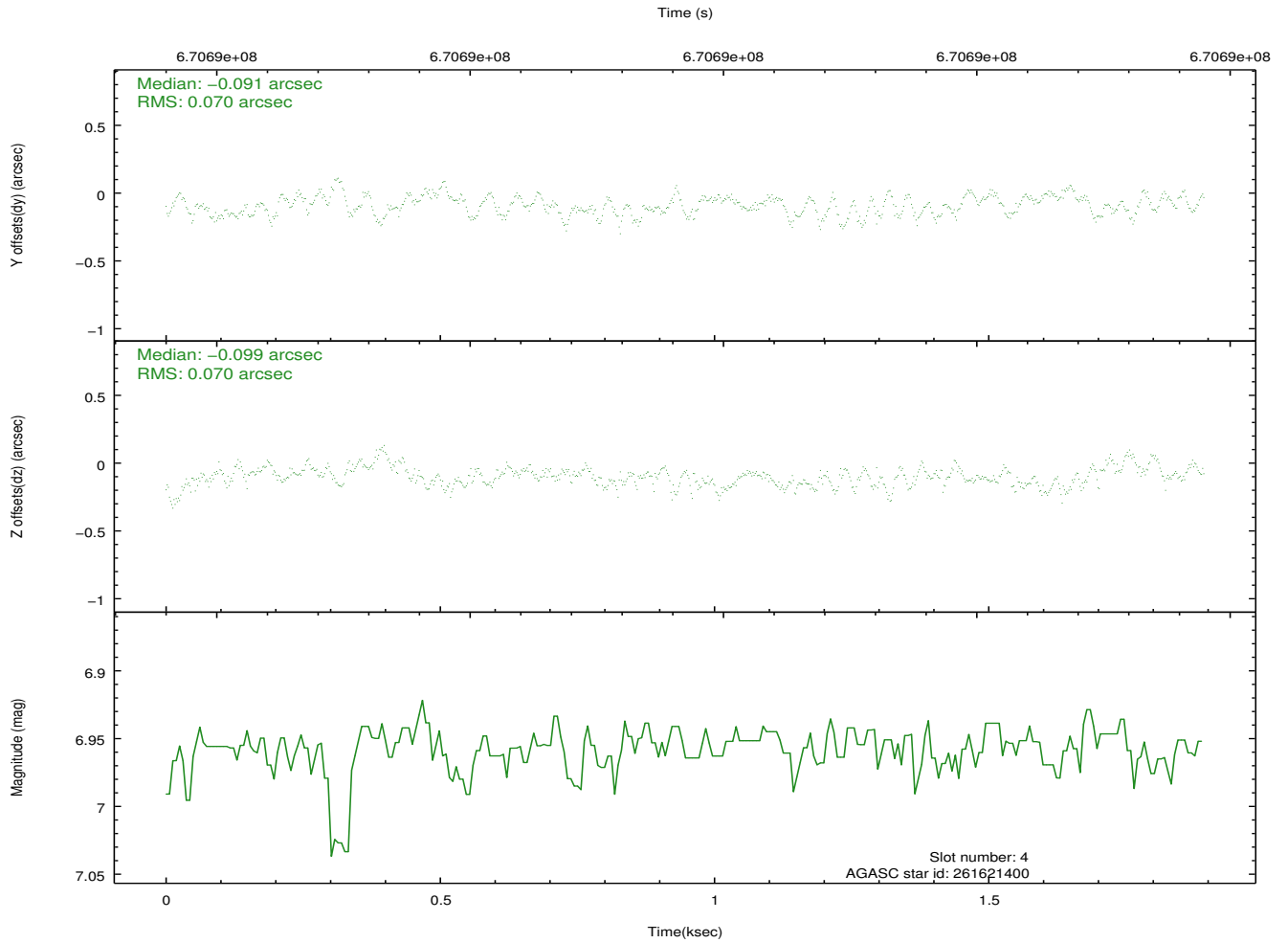
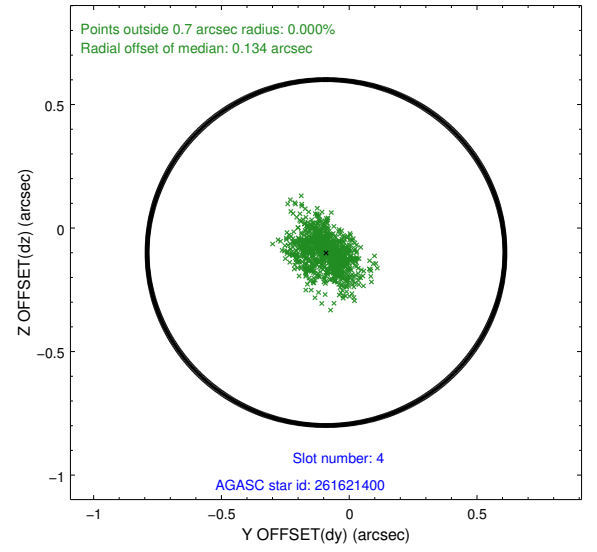
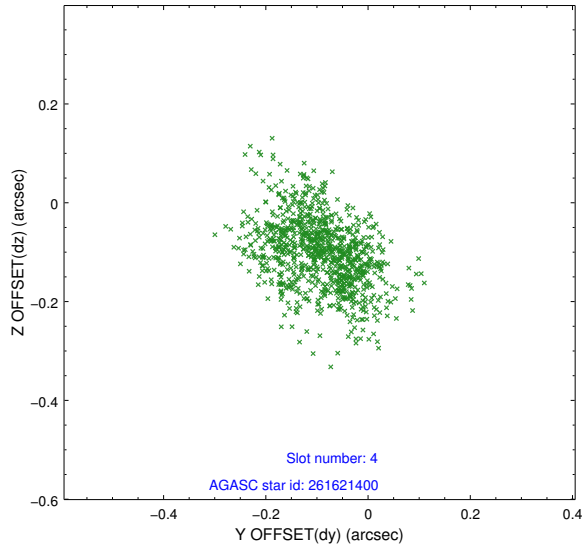
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.10	461	1.000	-0.063	-0.177	0.007	0.013	0.000000	0.000000	-1164.02	-466
1	FID		HRC-S-2	7.06	462	1.000	0.400	-0.133	0.005	0.010	0.000000	0.000000	1233.58	-460
2	FID		HRC-S-3	7.07	462	1.000	0.052	0.007	0.007	0.012	0.000000	0.000000	-1164.06	561
3	GUIDE	used	261619776	8.77	920	1.000	0.060	0.011	0.138	0.223	198.654383	29.401174	980.70	-753
4	GUIDE	used	261621400	6.96	924	1.000	-0.091	-0.099	0.105	0.172	198.901600	28.741982	-256.22	1413
5	GUIDE	used	261624080	7.10	924	1.000	0.049	-0.017	0.105	0.189	198.424651	29.817768	1985.33	-2078
6	GUIDE	used	261626352	8.58	923	1.000	0.011	-0.057	0.140	0.239	198.417097	29.781420	1987.44	-1950
7	GUIDE	used	261629720	8.08	923	1.000	-0.026	0.170	0.090	0.142	199.236176	29.044452	-1065.97	131

2.4 Star Slots

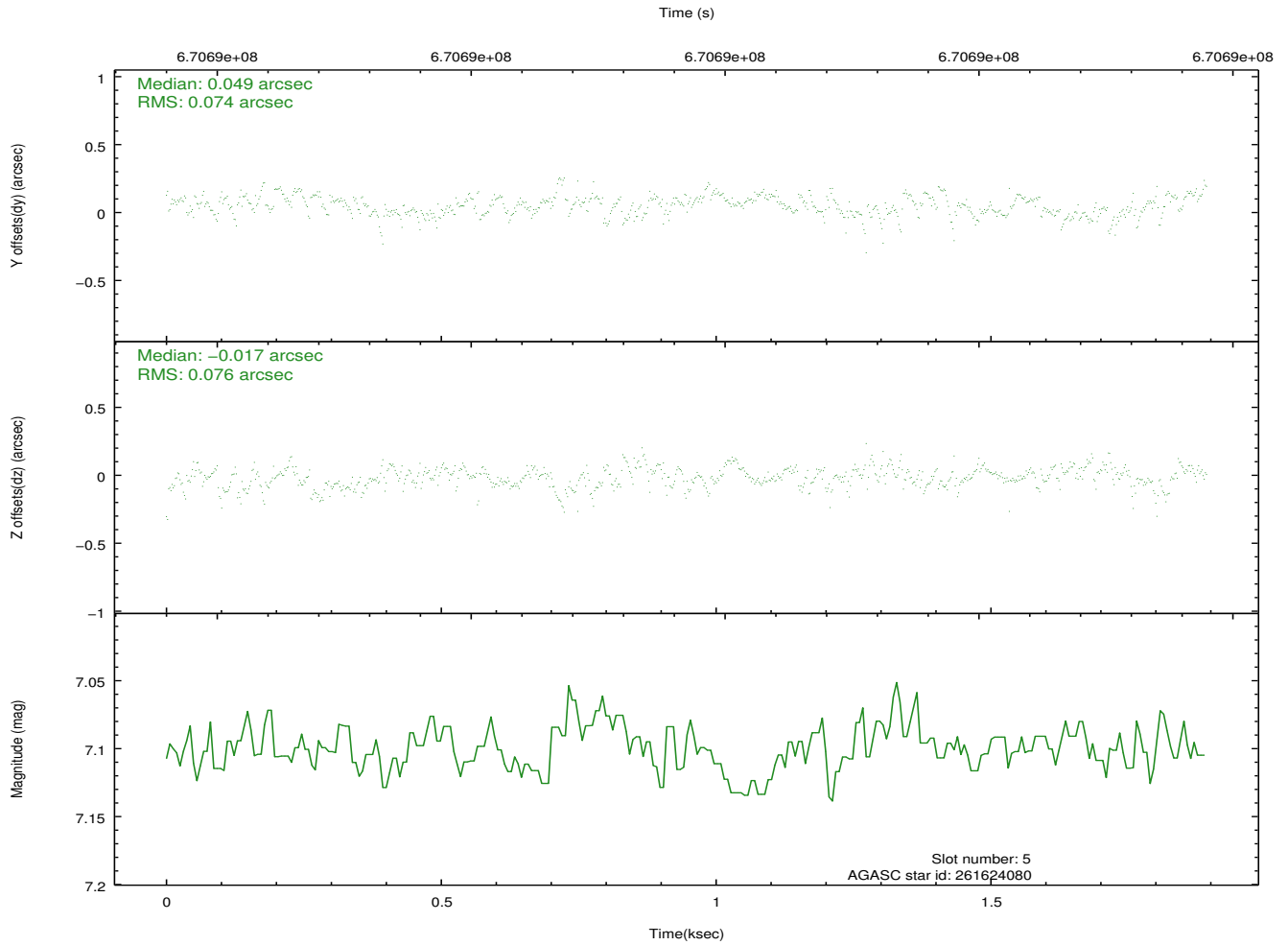
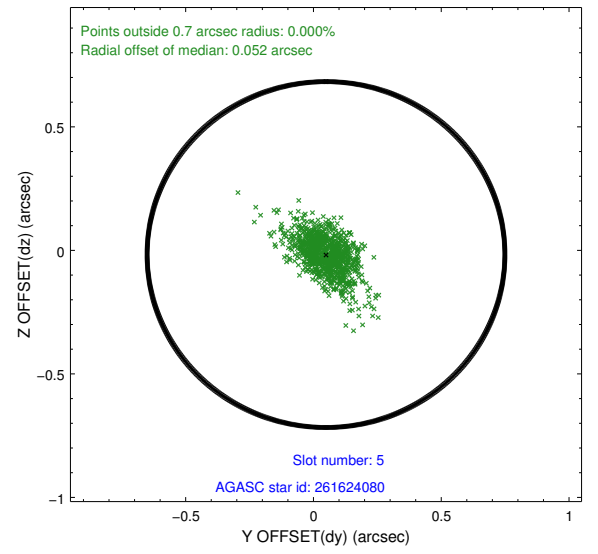
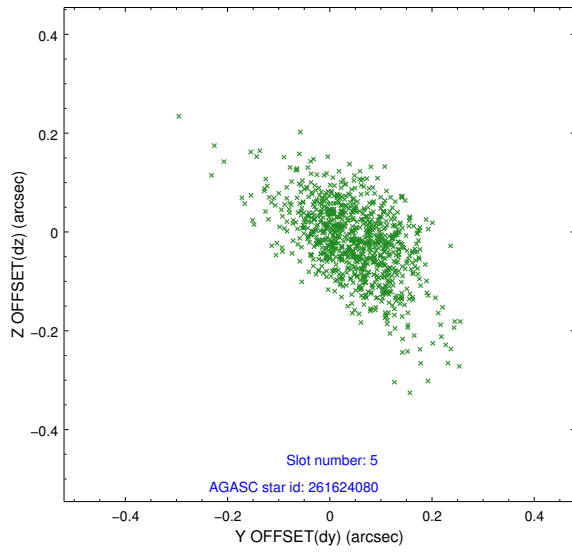
2.4.1 Slot 3



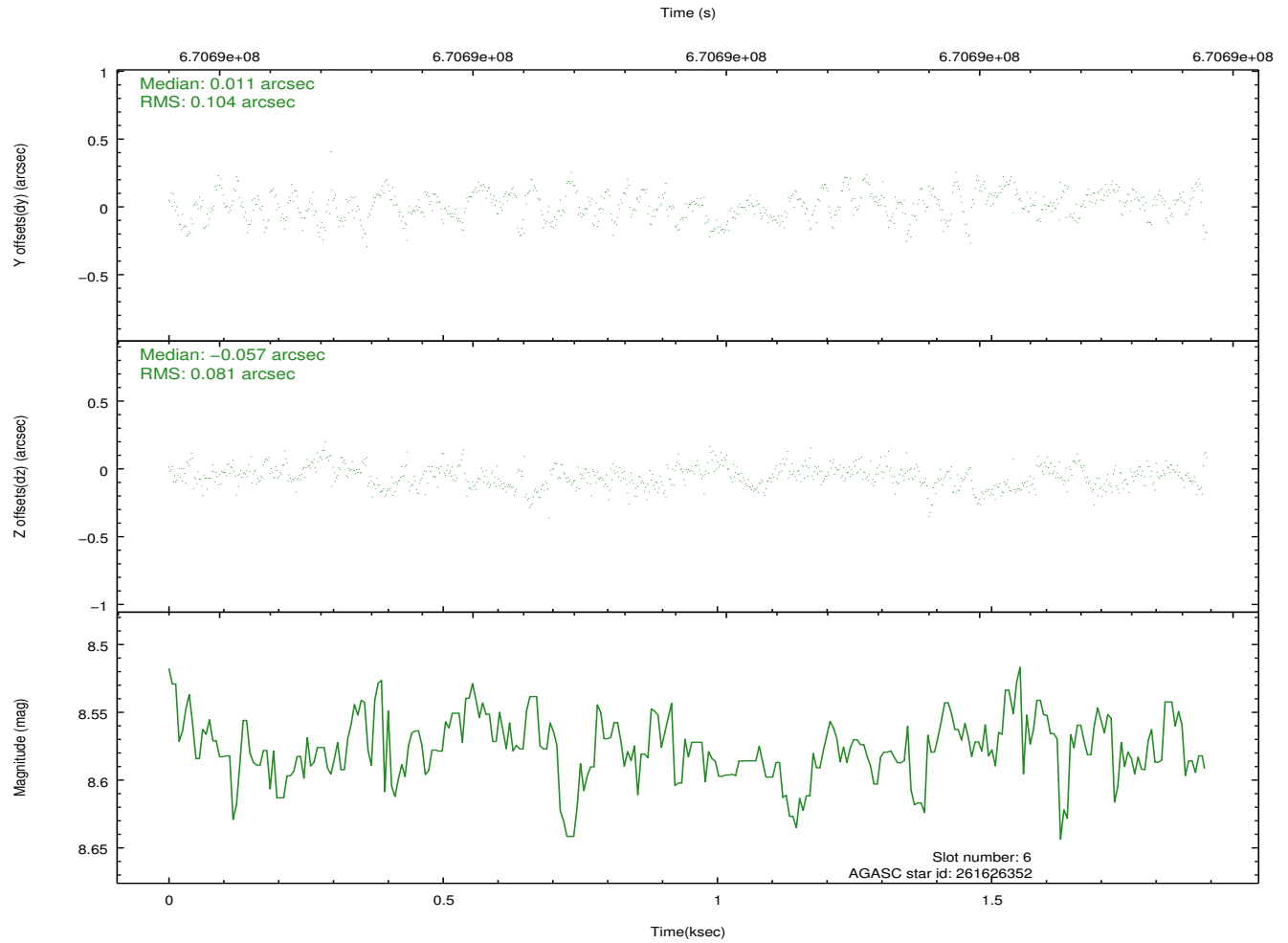
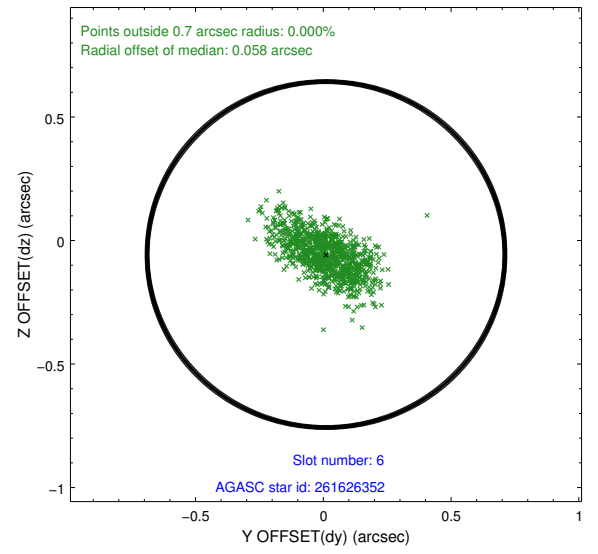
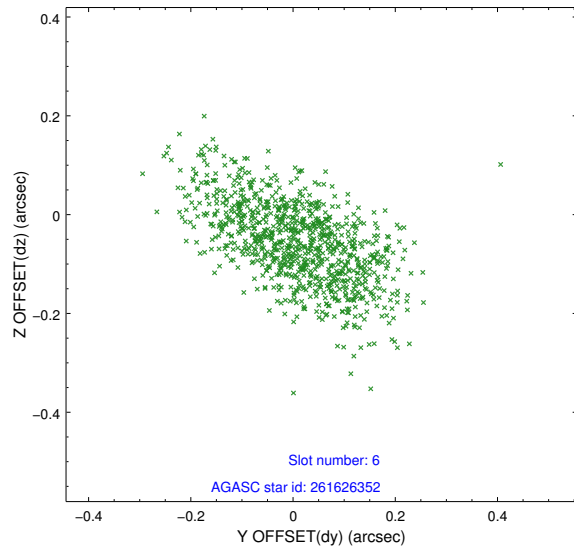
2.4.2 Slot 4



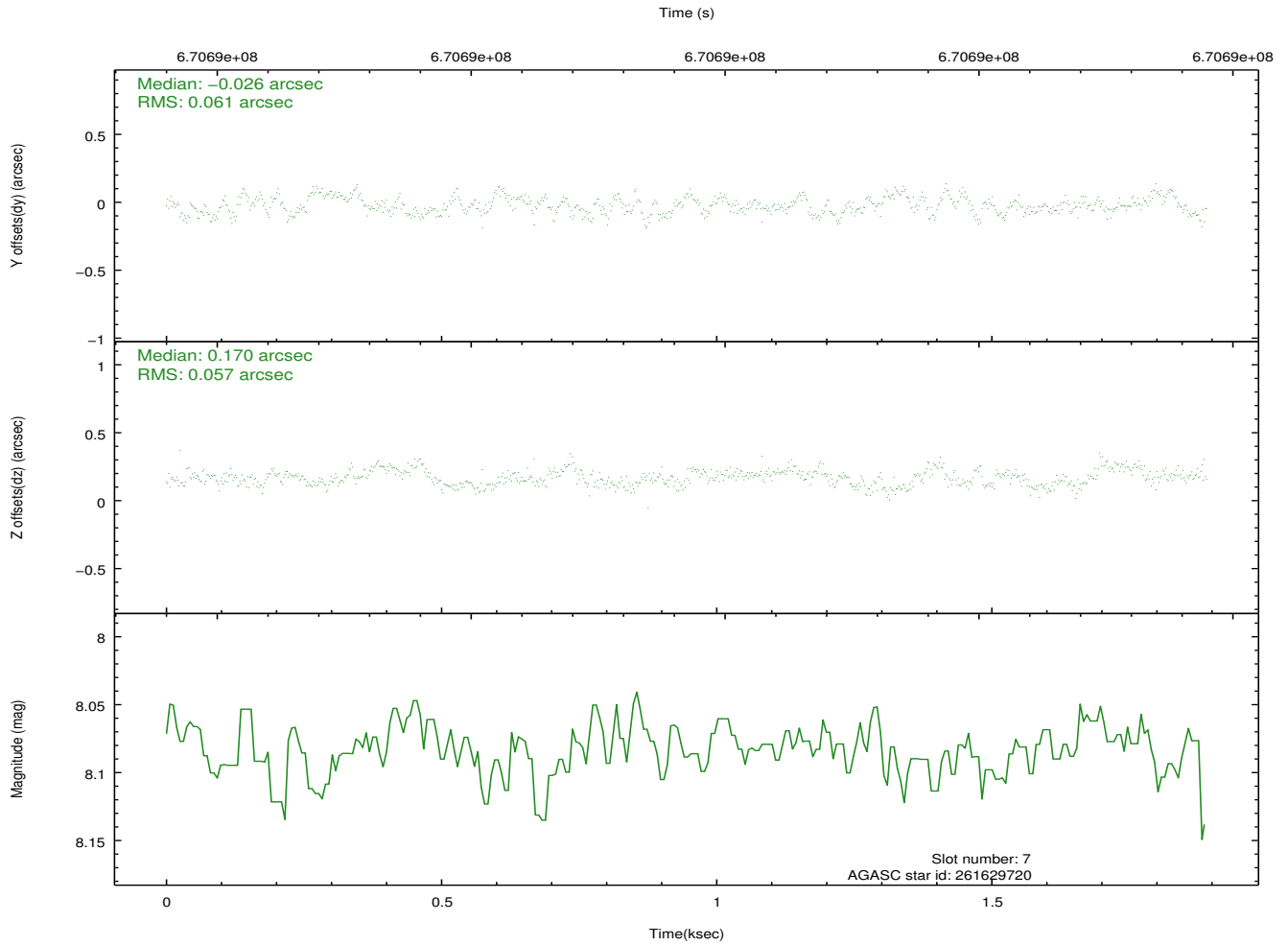
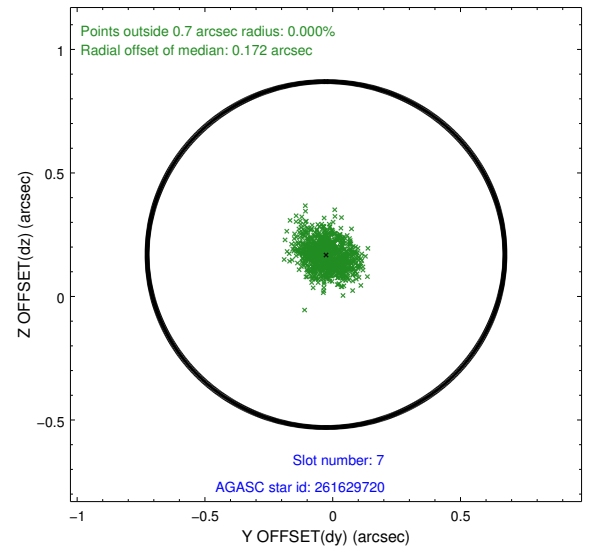
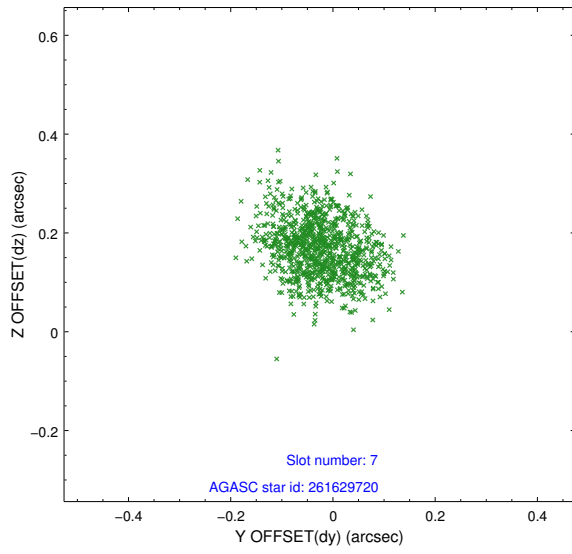
2.4.3 Slot 5



2.4.4 Slot 6

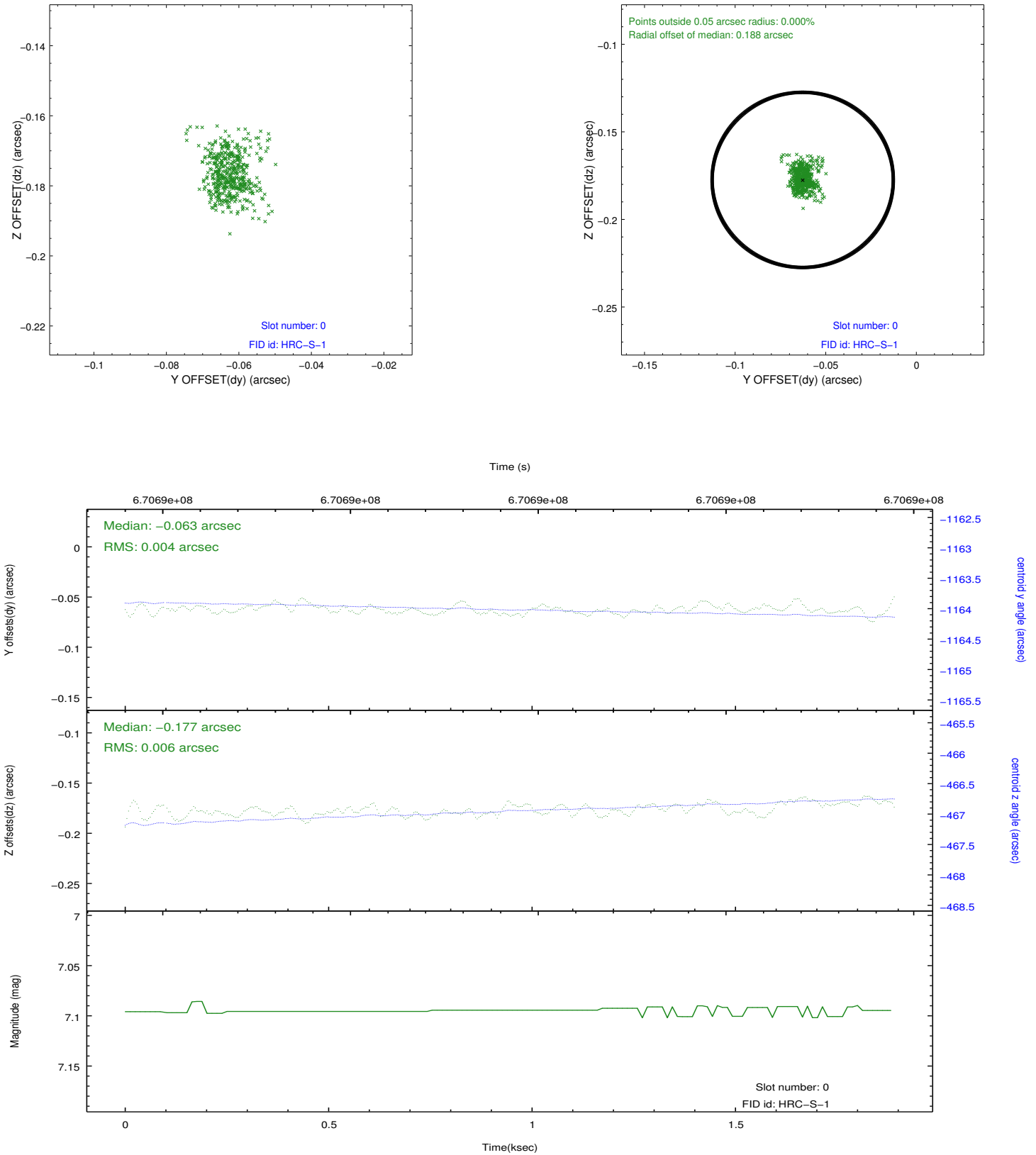


2.4.5 Slot 7

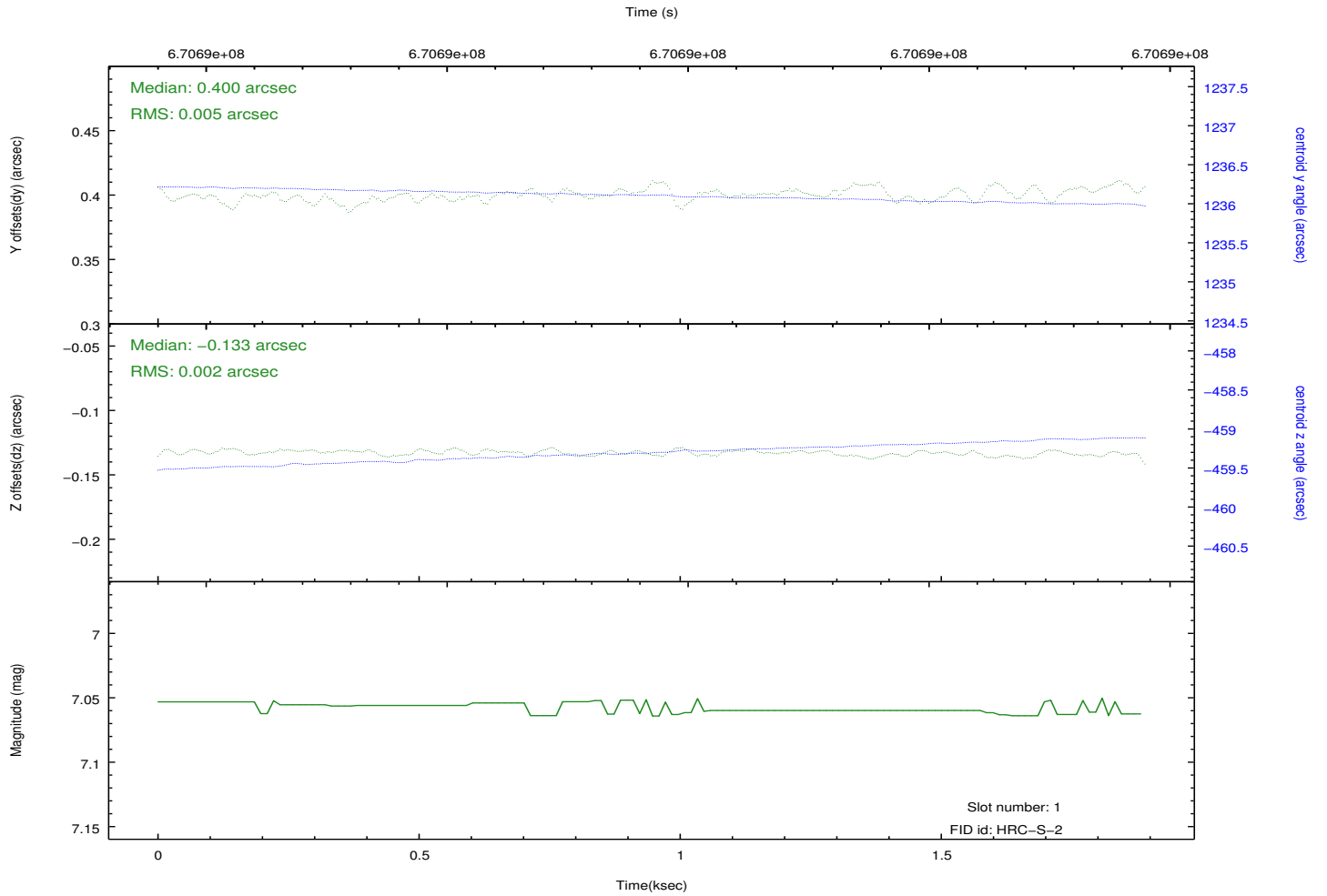
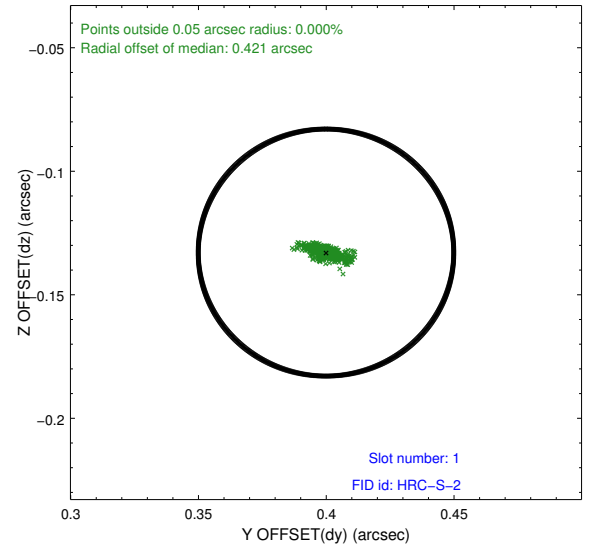
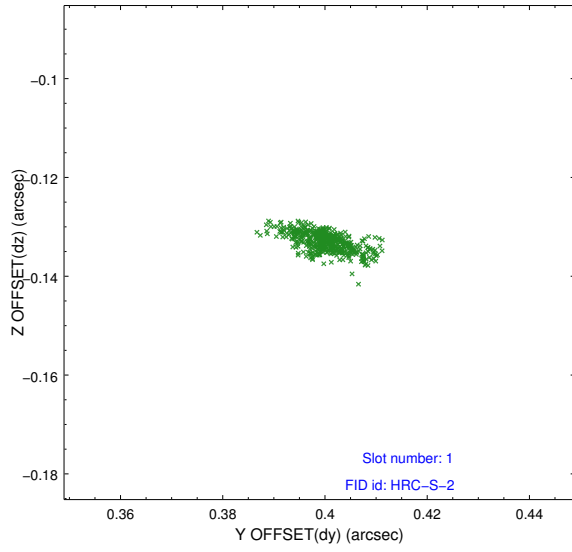


2.5 FID Slots

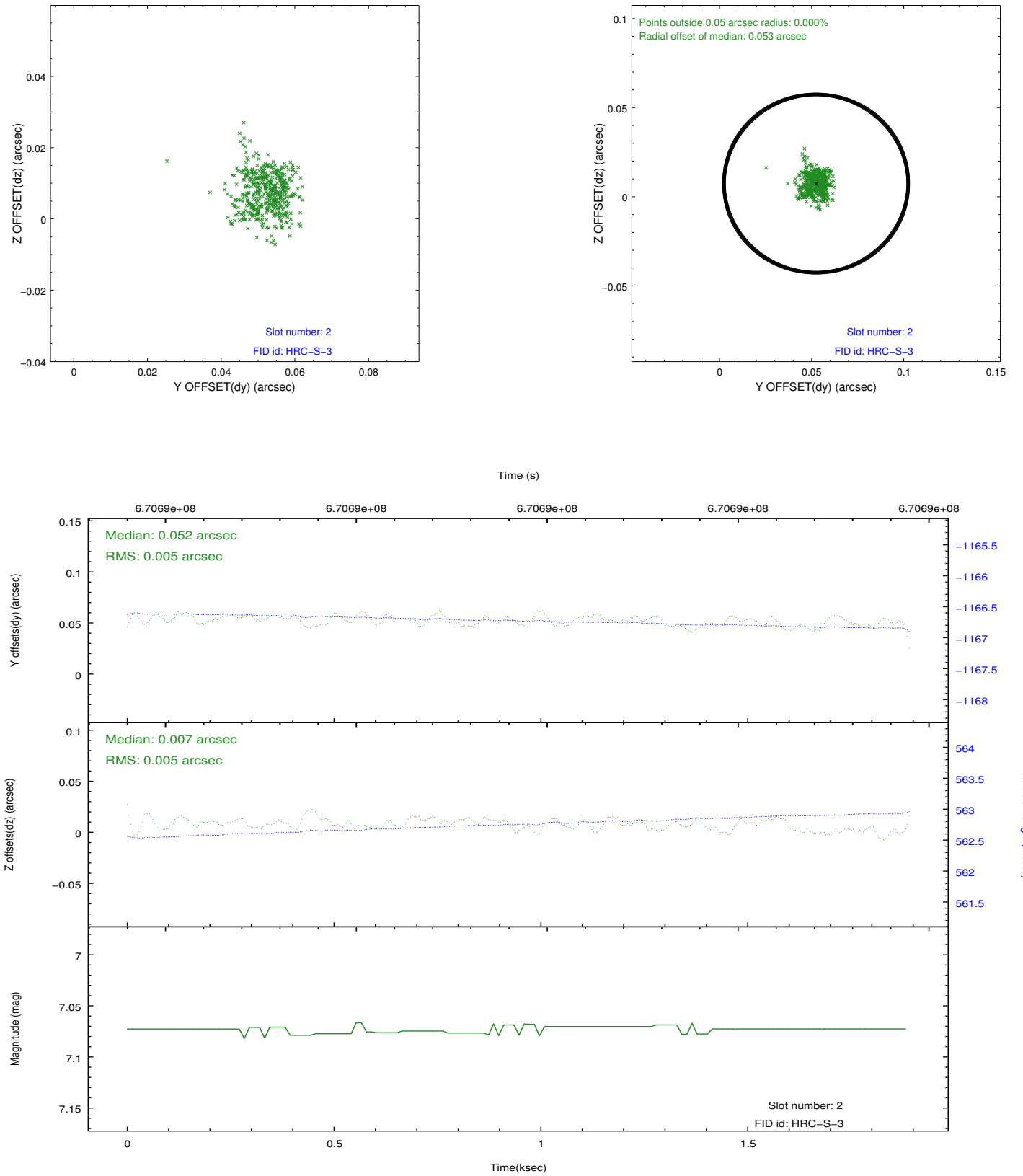
2.5.1 Slot 0



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	1.8911251132488

A.2 Comments