

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16403 - L2 Version 1
Chandra X-Ray Center

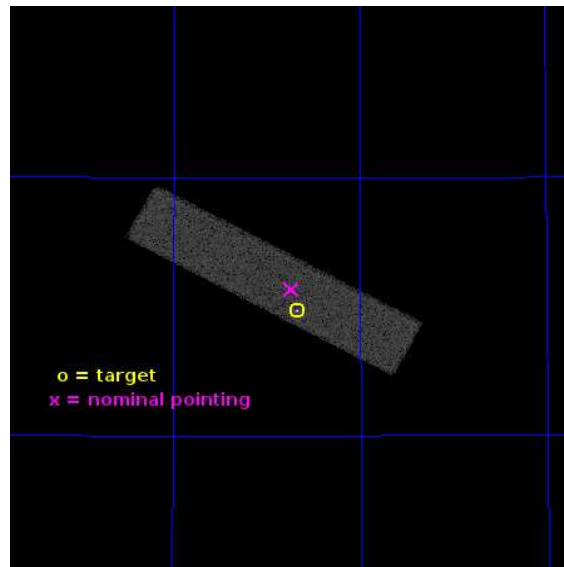
L2 Processing Date : Sep 16 2014

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1 Front

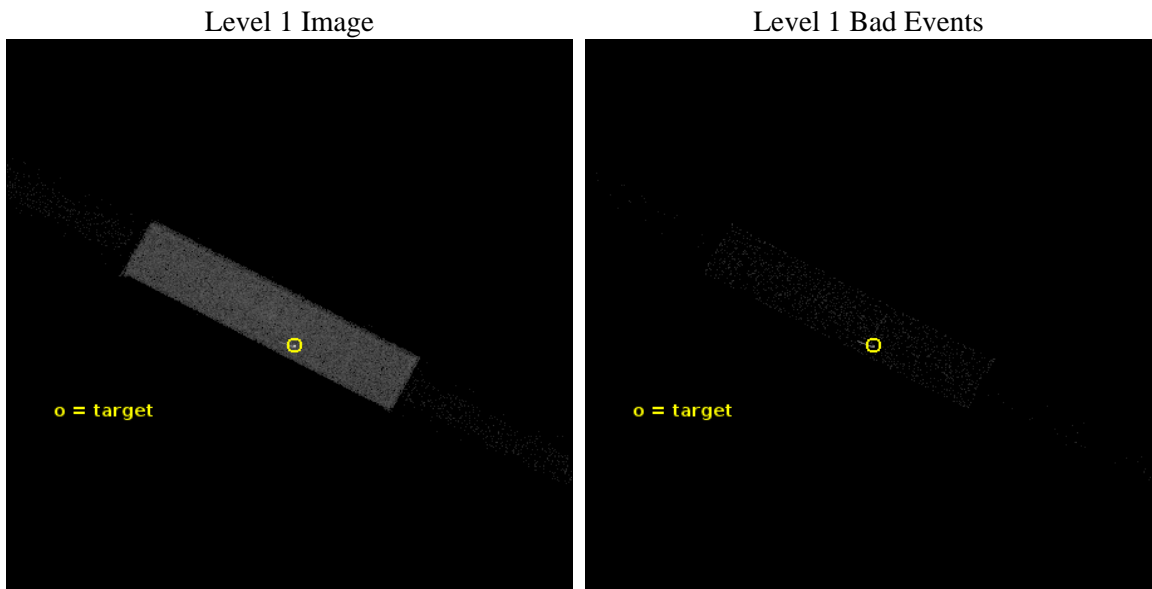
seq_num	291175	Sequence number
obs_id	16403	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.18398937378	Nominal RA [deg]
dec_nom	45.784293564294	Nominal Dec [deg]
roll_nom	208.13932969347	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1151.3313139677	[s]
livetime	1144.7112338951	Overtime multiplied by DTCOR
l2events	48578	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	1151.3313139677	[s]
caldbver	4.6.3	 	l1events	76895	Number of level 1 events
date	2014-09-17T03:28:35	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

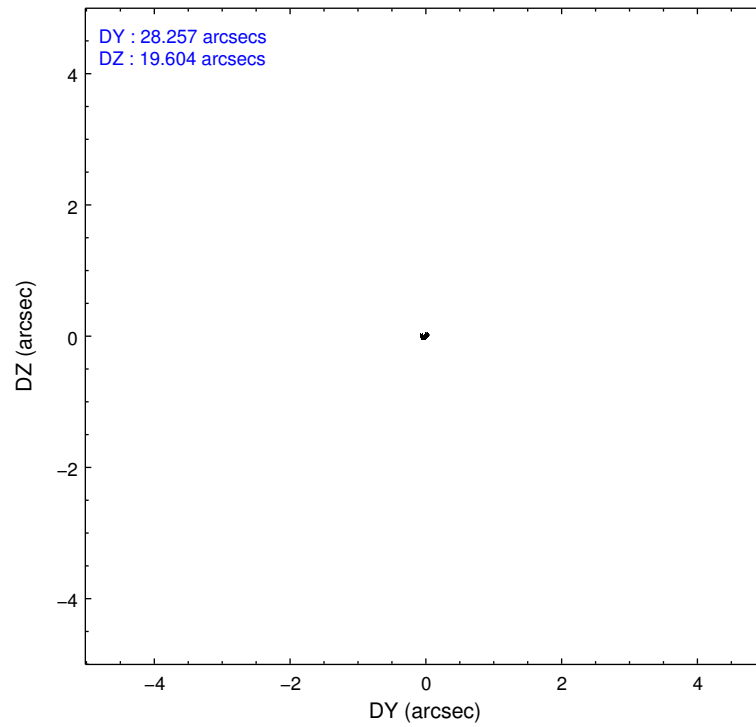
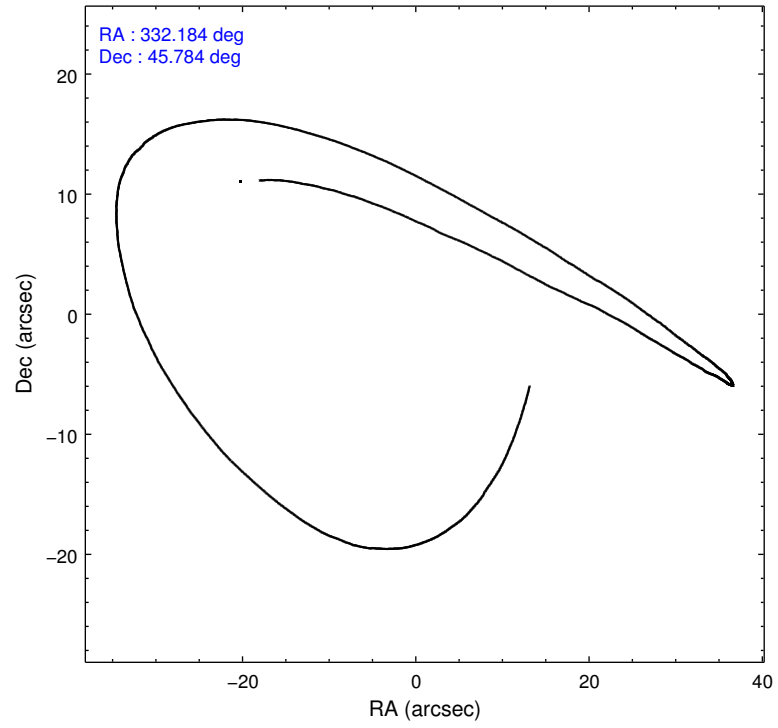
	segment 1	segment 2	segment 3
level 1 events	742	75502	651
rejected events	742	17607	651
rejected %	100%	23%	100%

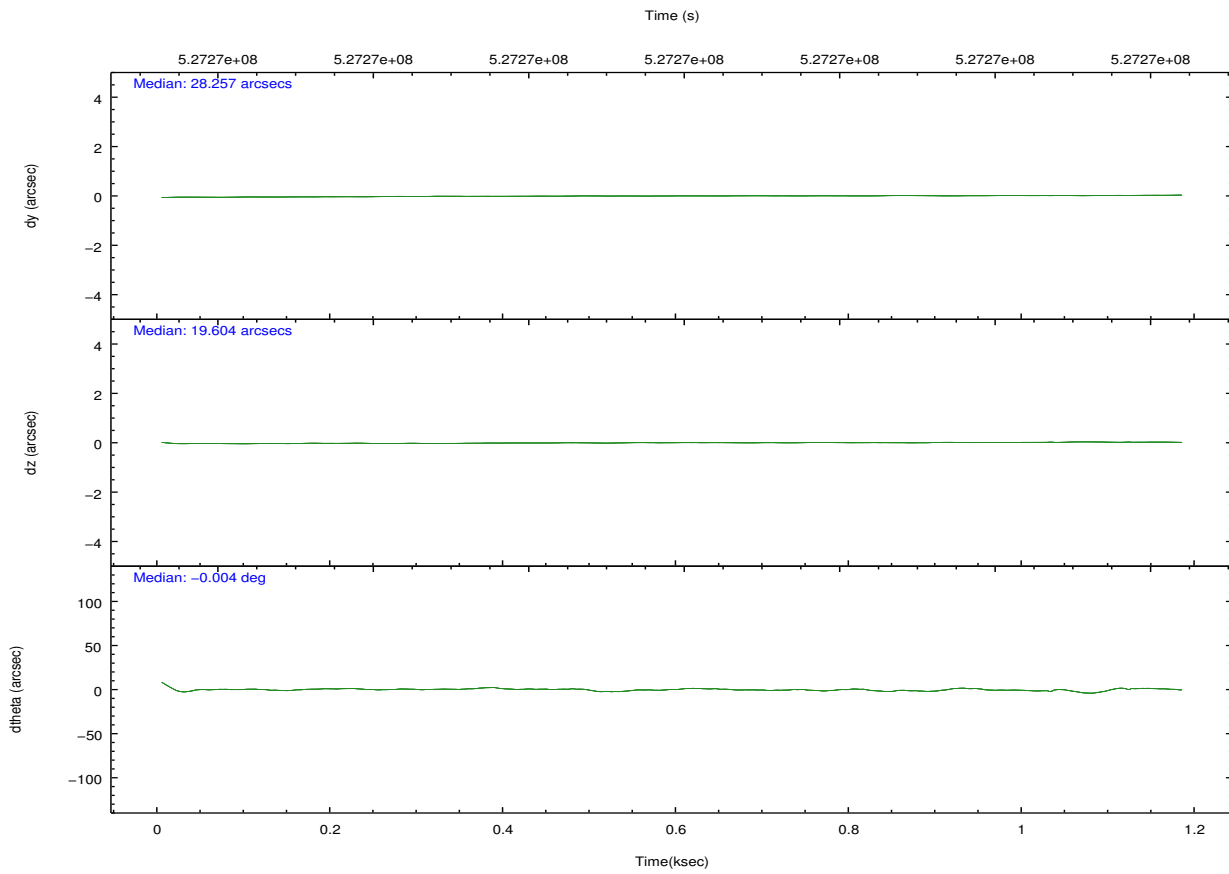
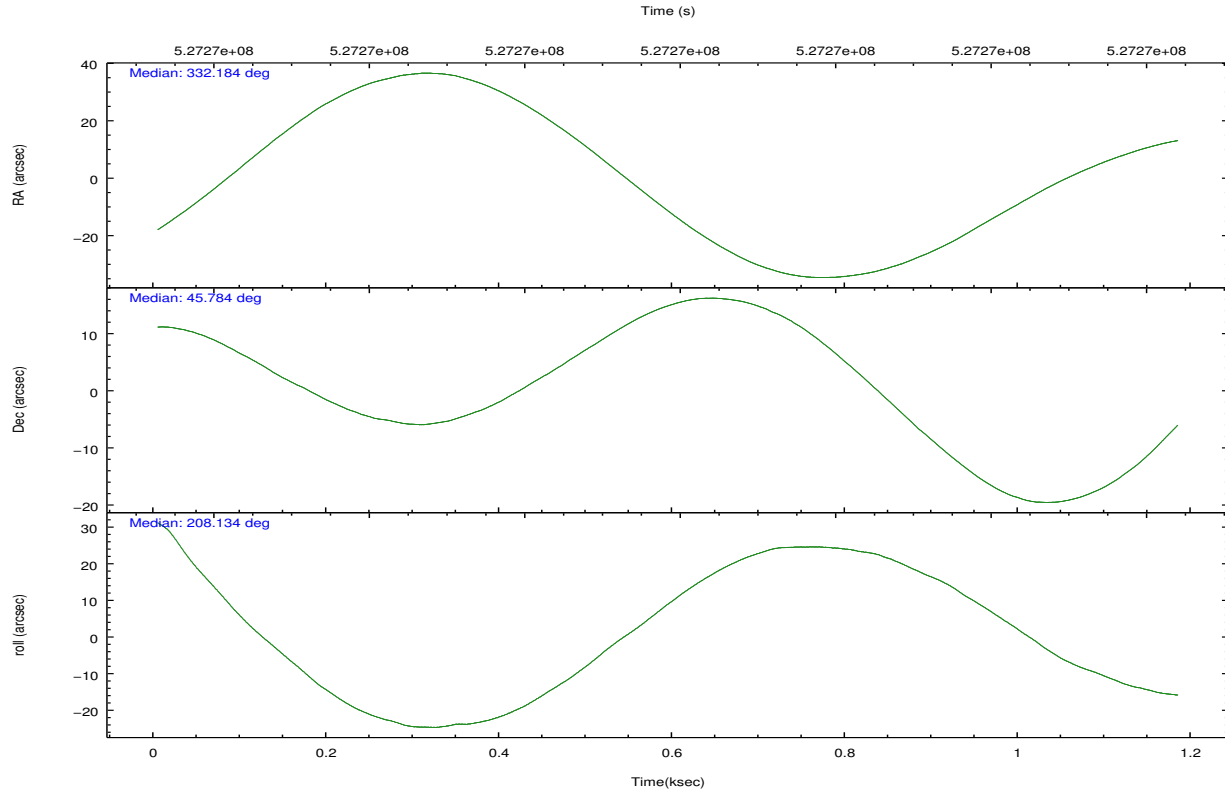
2.2 Compared Parameters

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	332.203577	332.1839893737808
[deg] Pointing Dec	45.810325	45.78429356429432
[deg] Pointing Roll	208.057796	208.1393296934652
[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)	527265978.184000	527265601.74052
Observation start date	2014-09-16T14:45:11	2014-09-16T14:40:01
[s] Observation end time (MET)	527266978.184000	527267111.5656
Observation end date	2014-09-16T15:01:51	2014-09-16T15:05:11

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

2.3 Aspect



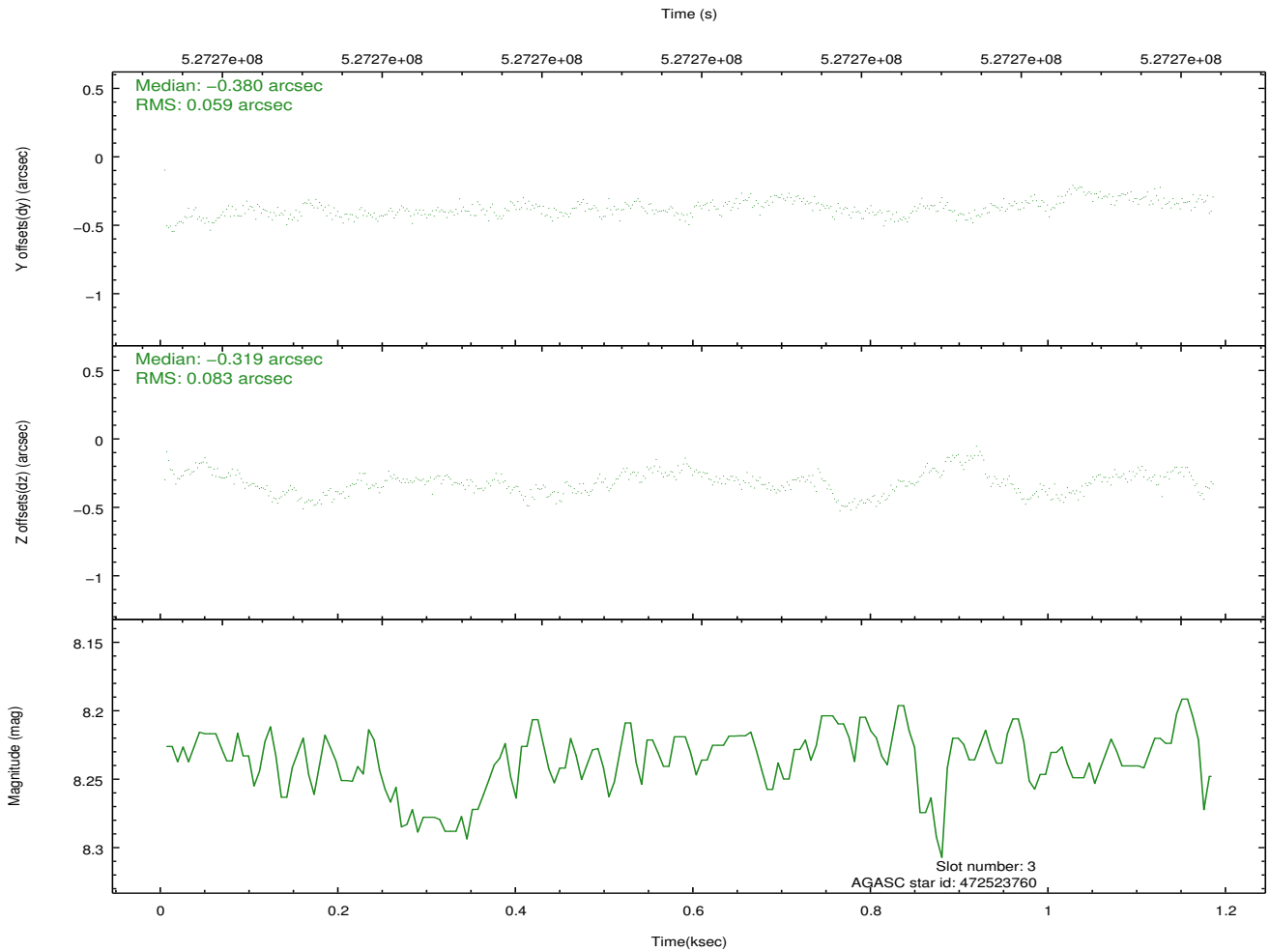
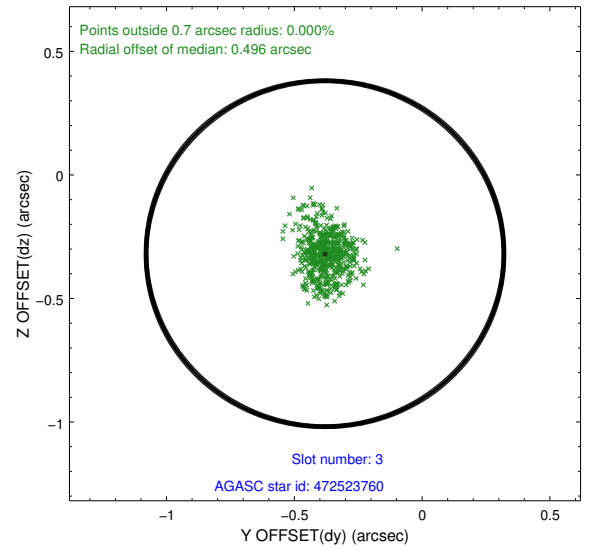
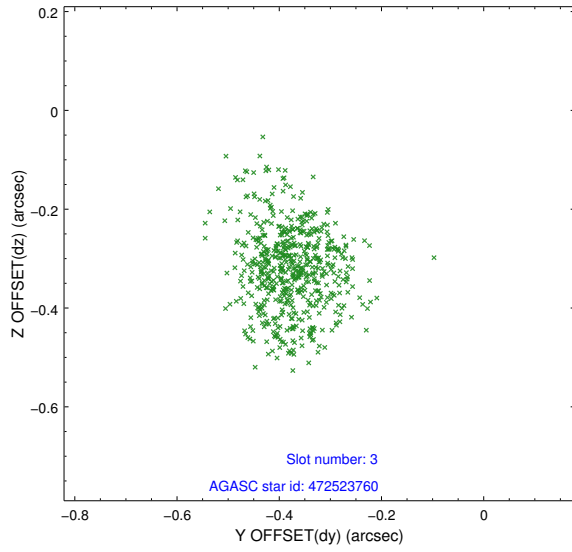


Slot Statistics

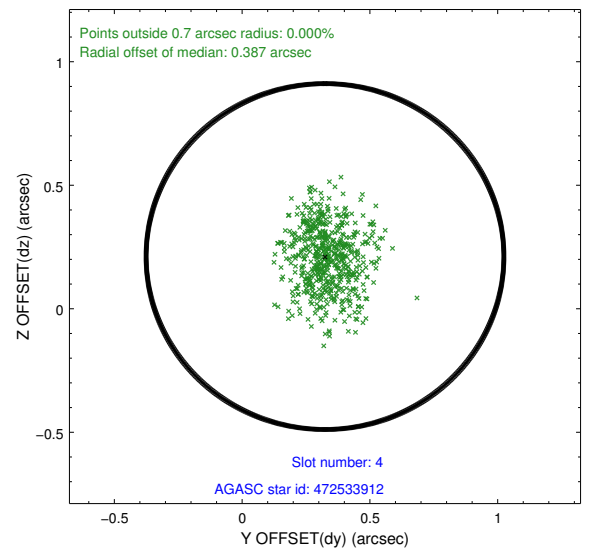
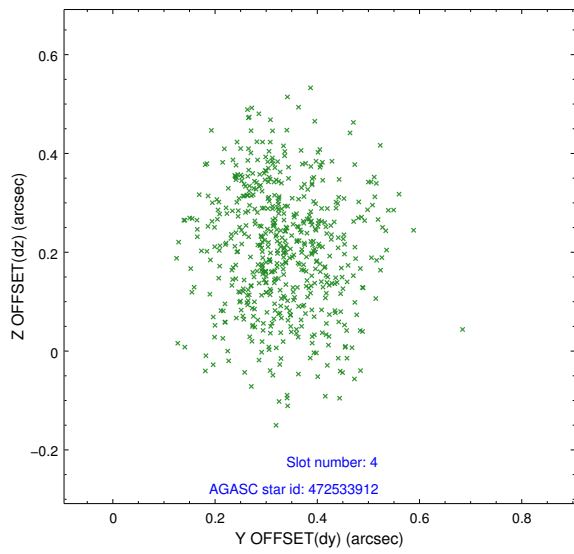
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.04	288	0.193	-0.146	0.010	0.021	0.000000	0.000000	1216.78	-461.24
1	FID	HRC-S-3	7.07	289	-0.146	-0.074	0.006	0.011	0.000000	0.000000	-1181.74	559.37
2	FID	HRC-S-4	7.00	288	0.357	-0.075	0.011	0.021	0.000000	0.000000	1211.41	565.49
3	GUIDE	472523760	8.23	577	-0.380	-0.319	0.106	0.179	331.645363	45.403260	1932.16	622.21
4	GUIDE	472533912	9.13	575	0.324	0.211	0.165	0.268	331.791136	46.368695	-38.35	-2259.74
5	GUIDE	472655152	9.41	577	0.015	-0.287	0.192	0.336	332.504239	45.862991	-754.78	179.02
6	GUIDE	472665256	8.99	577	0.221	0.193	0.117	0.195	332.808125	46.195041	-1984.30	-521.19
7	GUIDE	472535576	7.87	576	-0.196	0.202	0.092	0.140	331.438373	46.291802	857.09	-2436.49

2.4 Star Slots

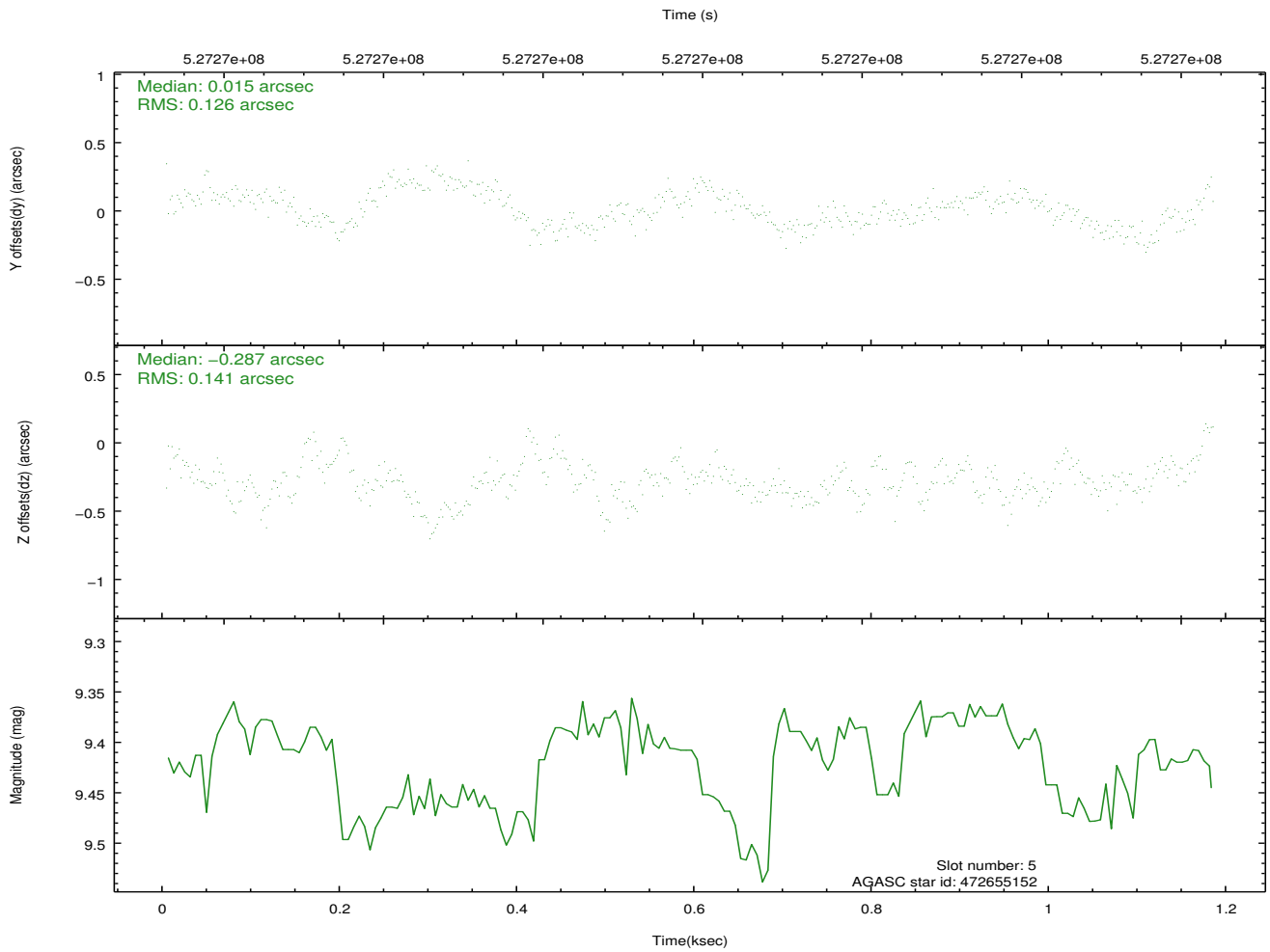
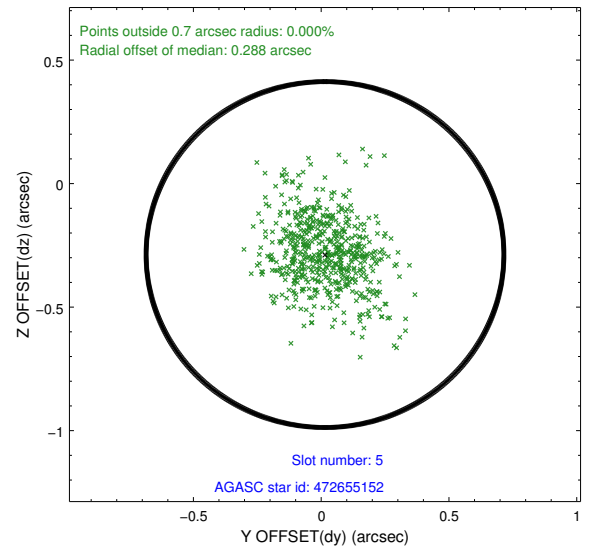
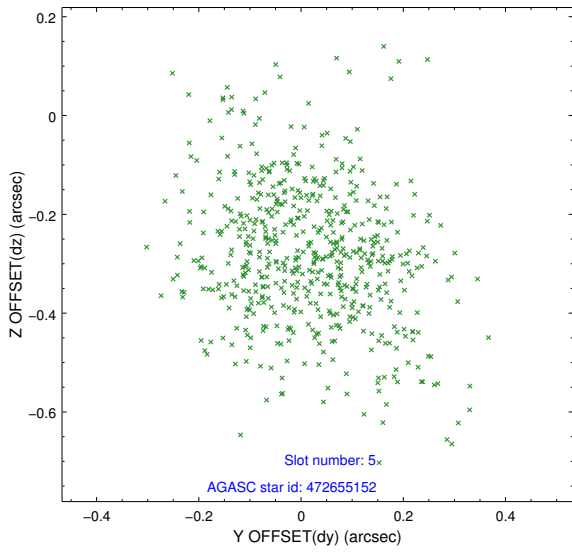
2.4.1 Slot 3



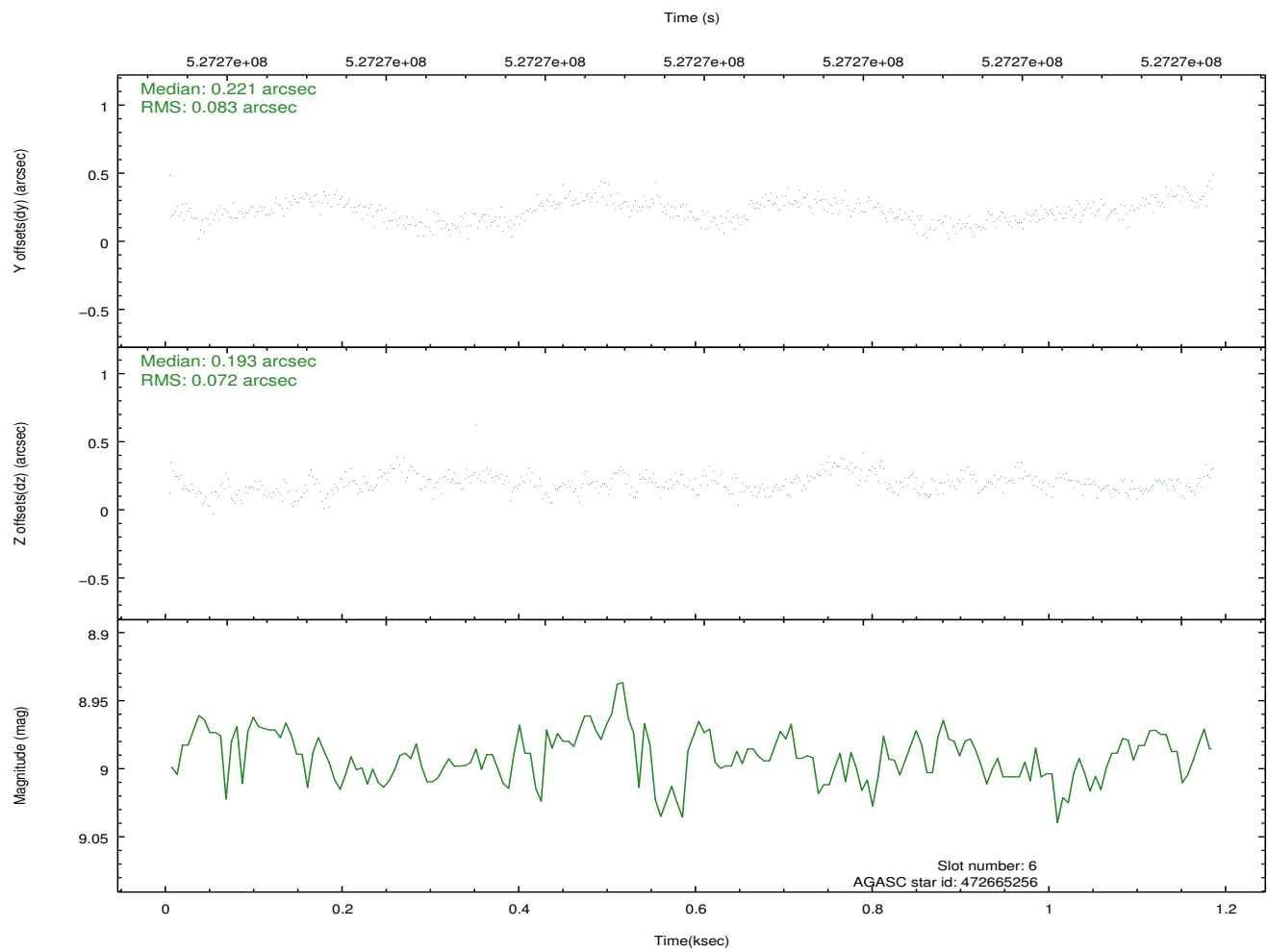
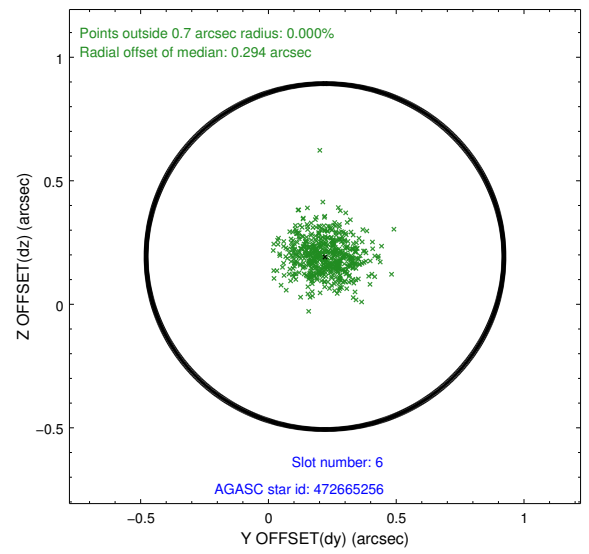
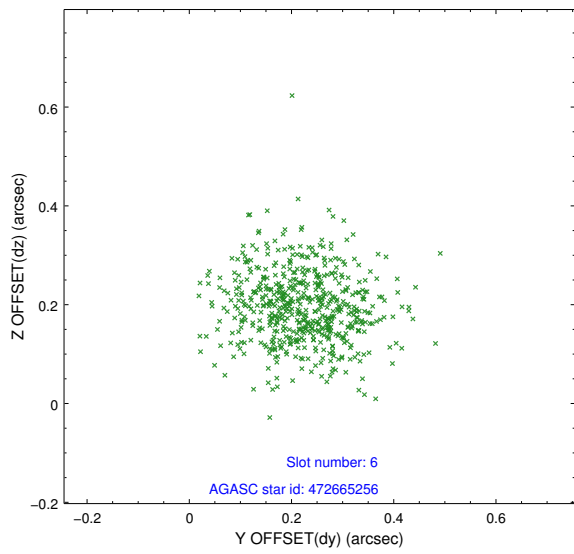
2.4.2 Slot 4



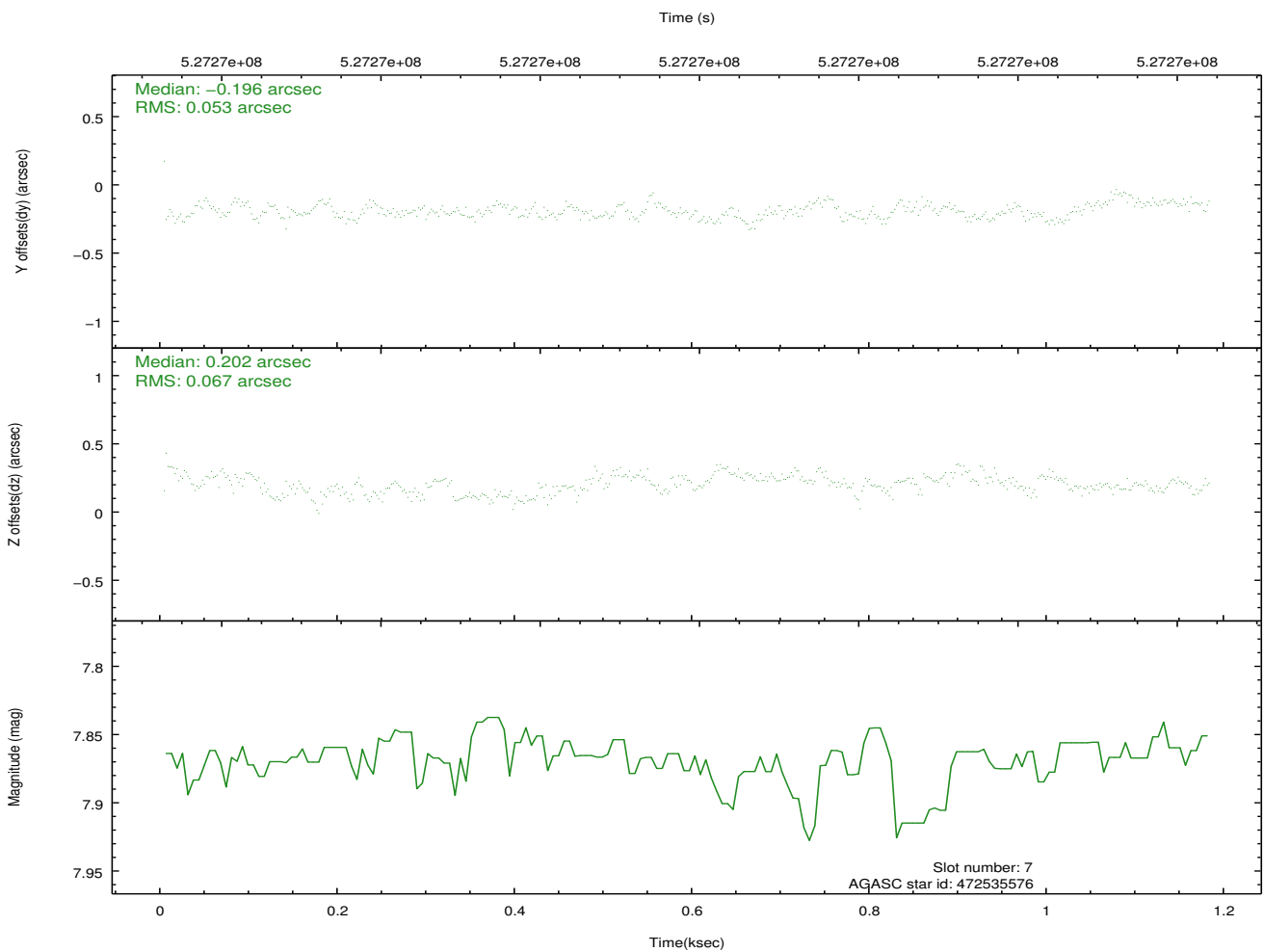
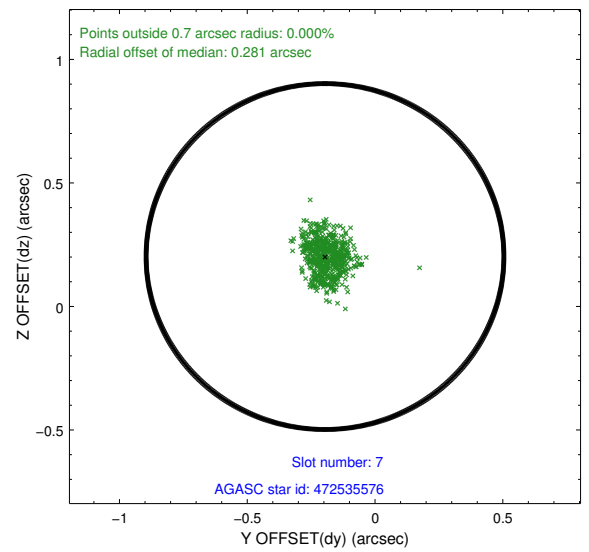
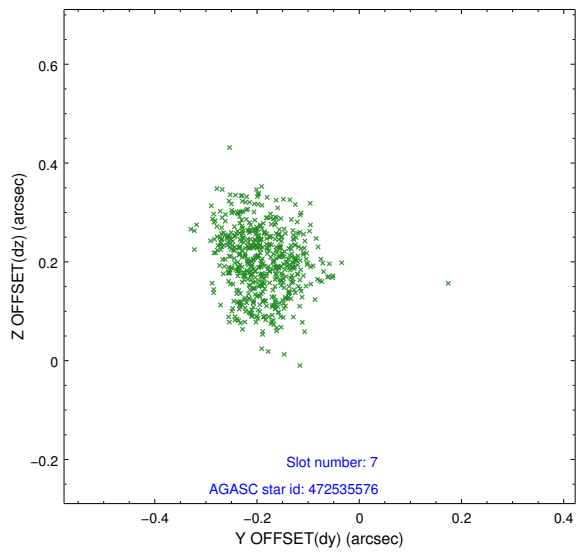
2.4.3 Slot 5



2.4.4 Slot 6

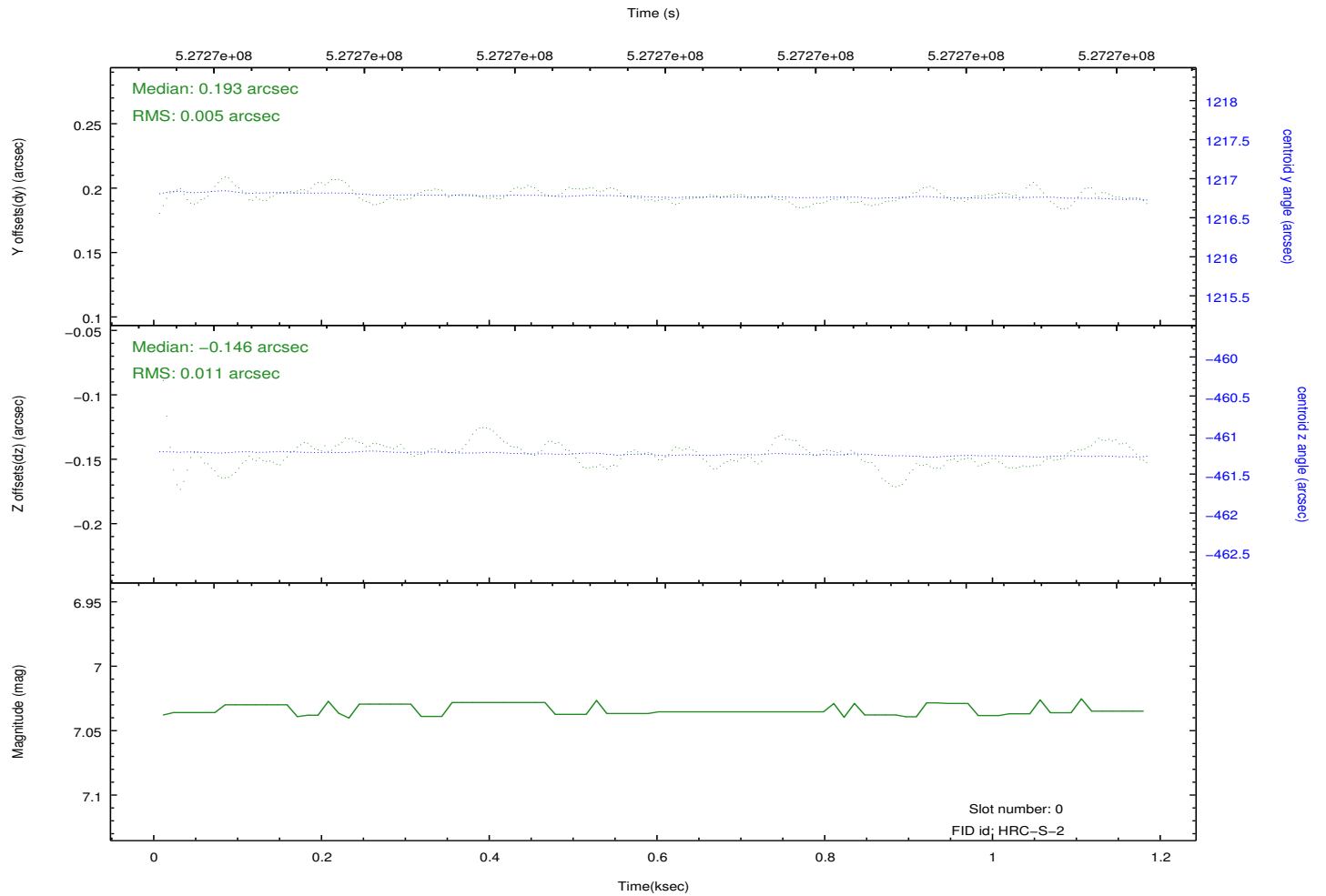
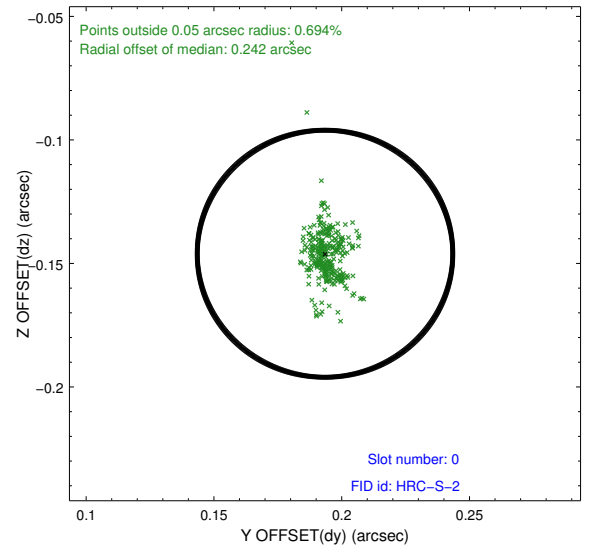
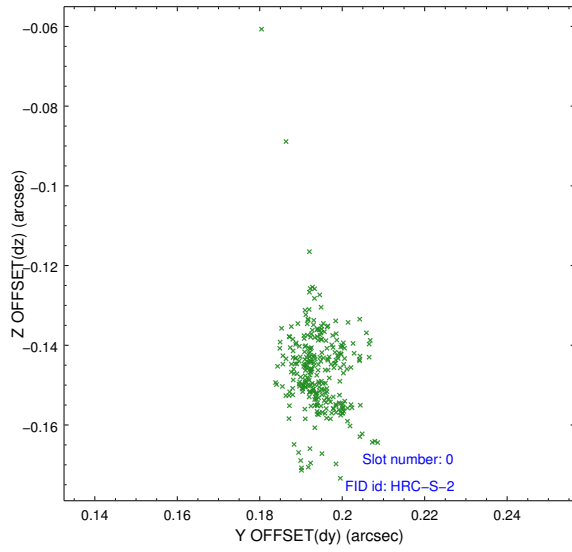


2.4.5 Slot 7

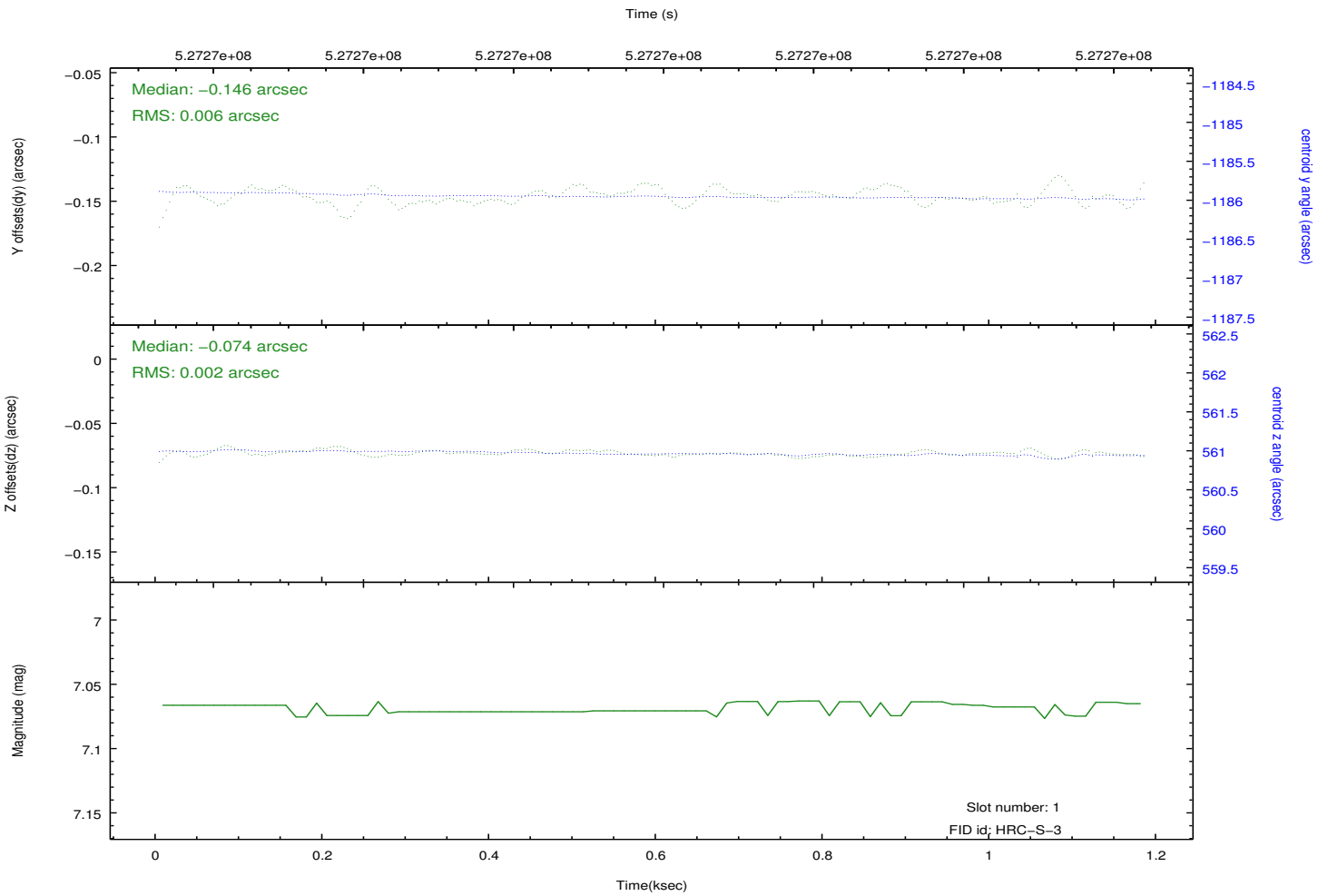
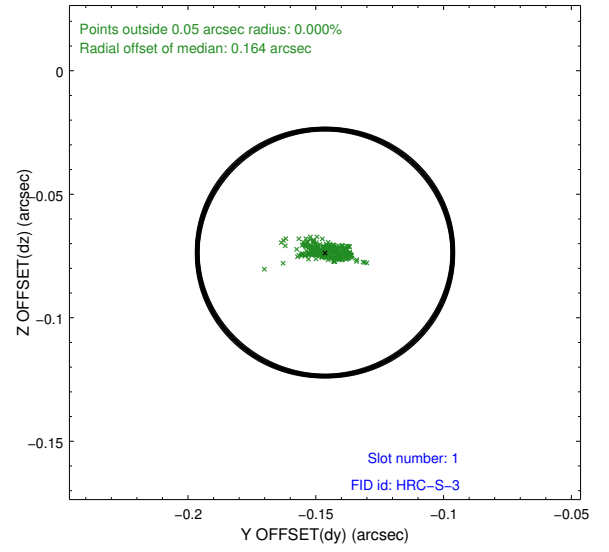
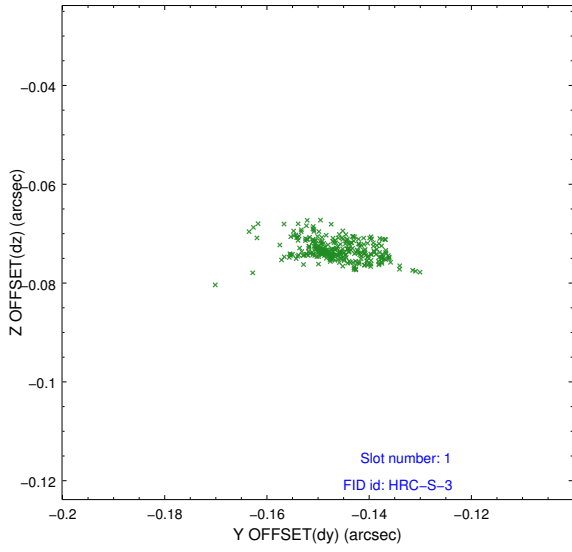


2.5 FID Slots

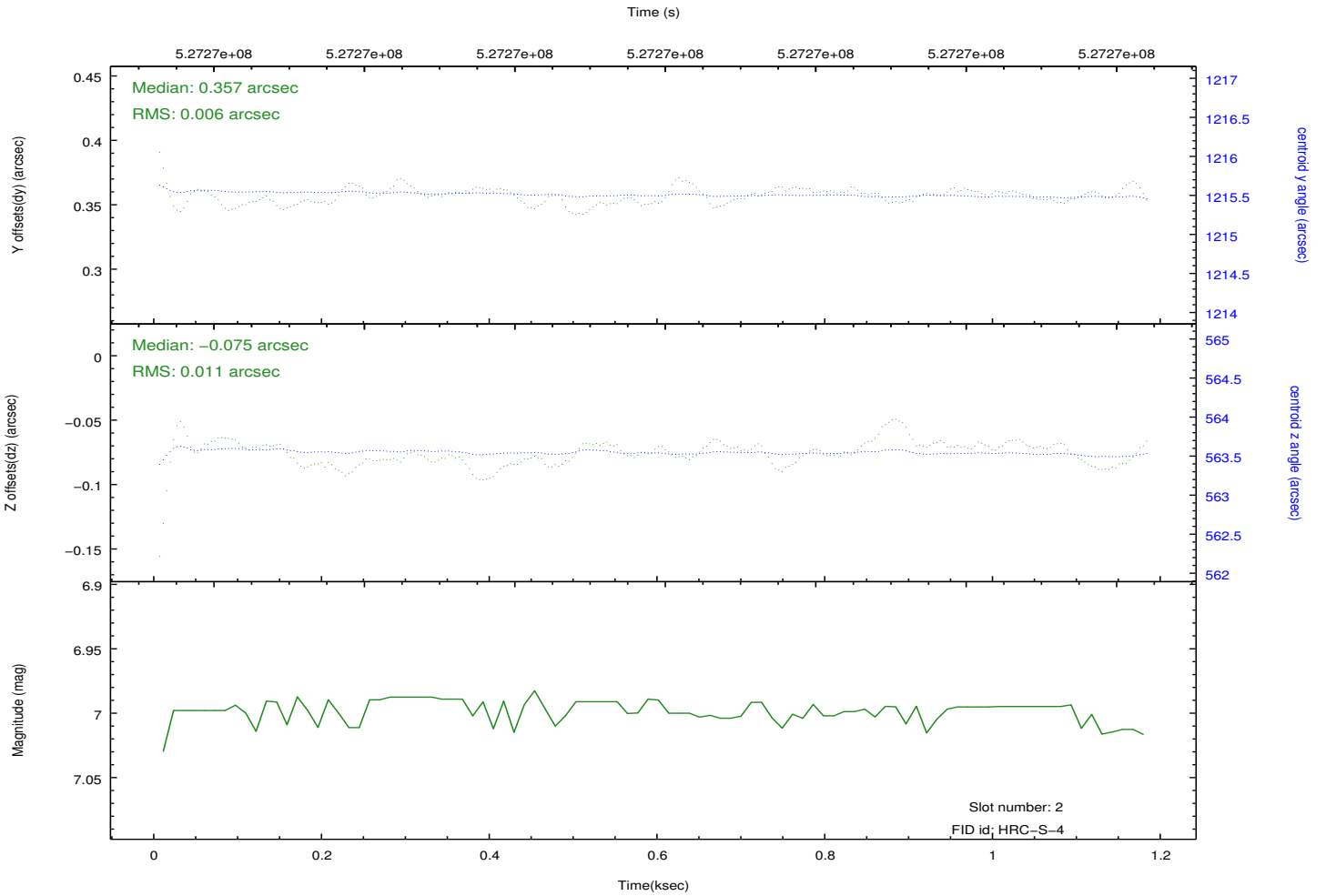
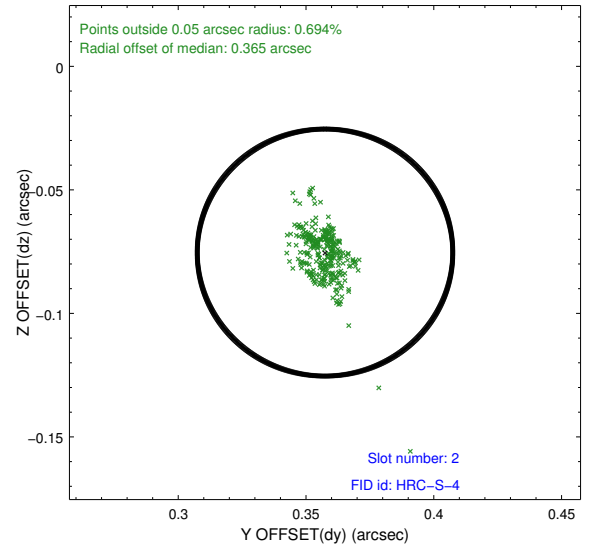
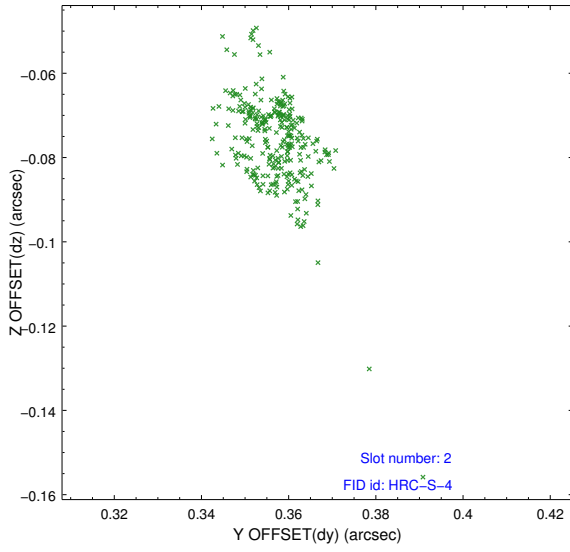
2.5.1 Slot 0



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	1.1513313139677

A.2 Comments