

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4292 - L2 Version 6
Chandra X-Ray Center

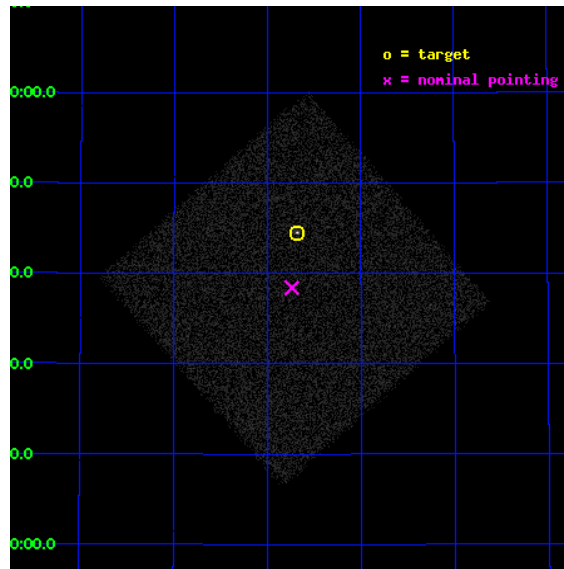
L2 Processing Date : Dec 17 2012

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1 Front

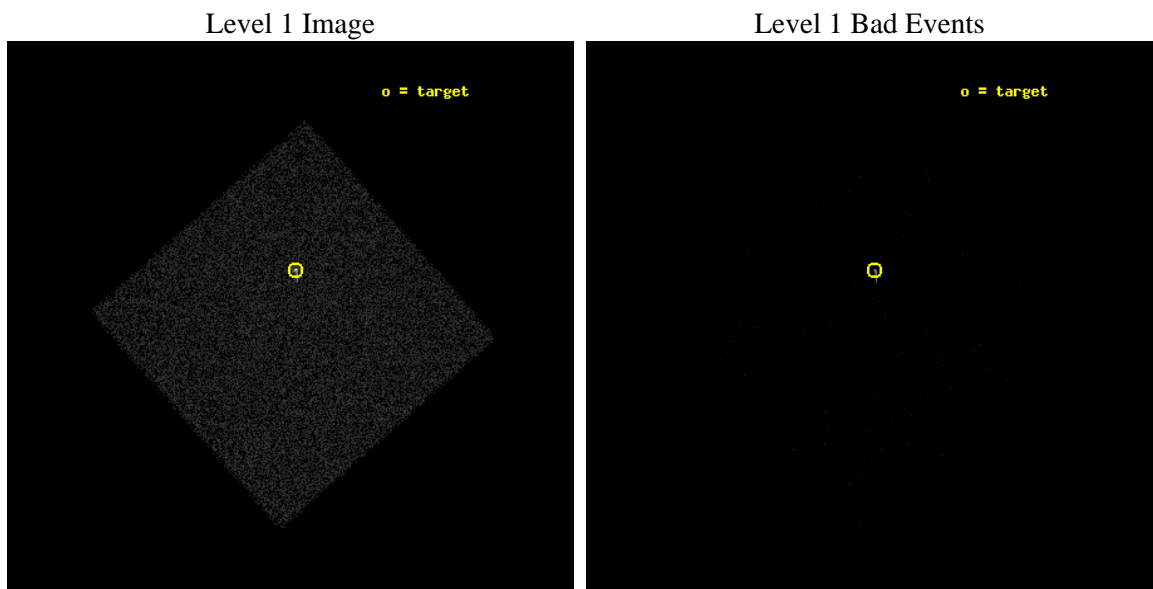
seq_num	290252	Sequence number
obs_id	4292	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.18453633101	Nominal RA [deg]
dec_nom	45.640429131347	Nominal Dec [deg]
roll_nom	3.6068683100585	Nominal Roll [deg]
revision	6	Processing version of data
ontime	1181.8250496984	[s]
livetime	1175.2454436627	Ontime multiplied by DTCOR
l2events	38115	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	8.5.1	Processing system revision	ontime	1181.8250496984	[s]
caldsver	4.5.5	 	l1events	69814	Number of level 1 events
date	2012-12-17T19:00:19	Date and time of file creation			
revision	6	Processing version of data			

2.1.3 Events

Level 1 Events

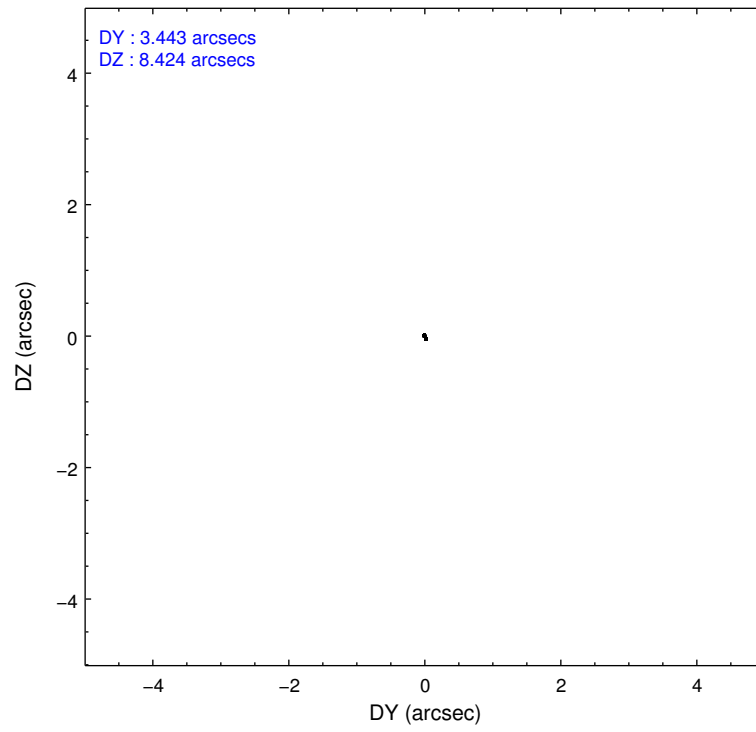
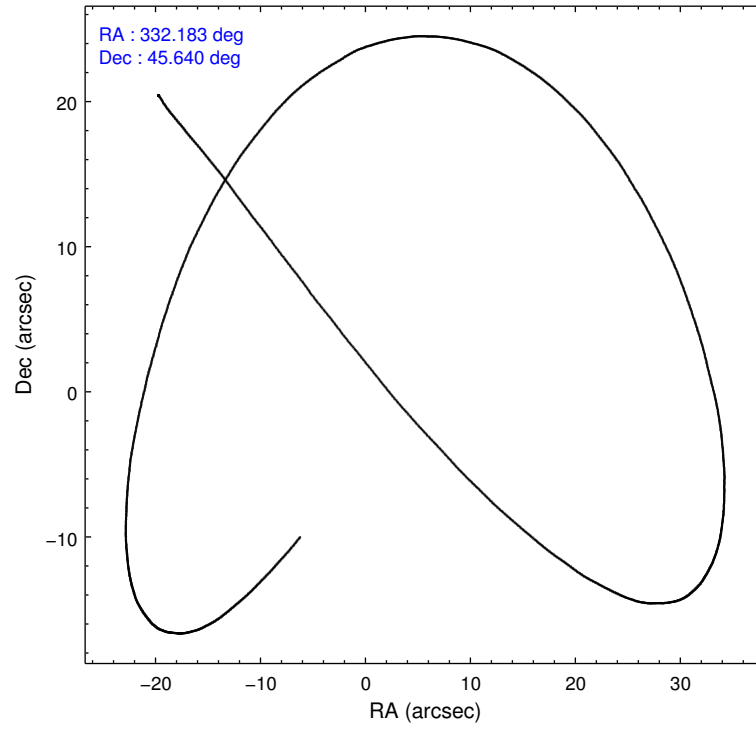
	segment 0
level 1 events	69814
rejected events	15923
rejected %	22%

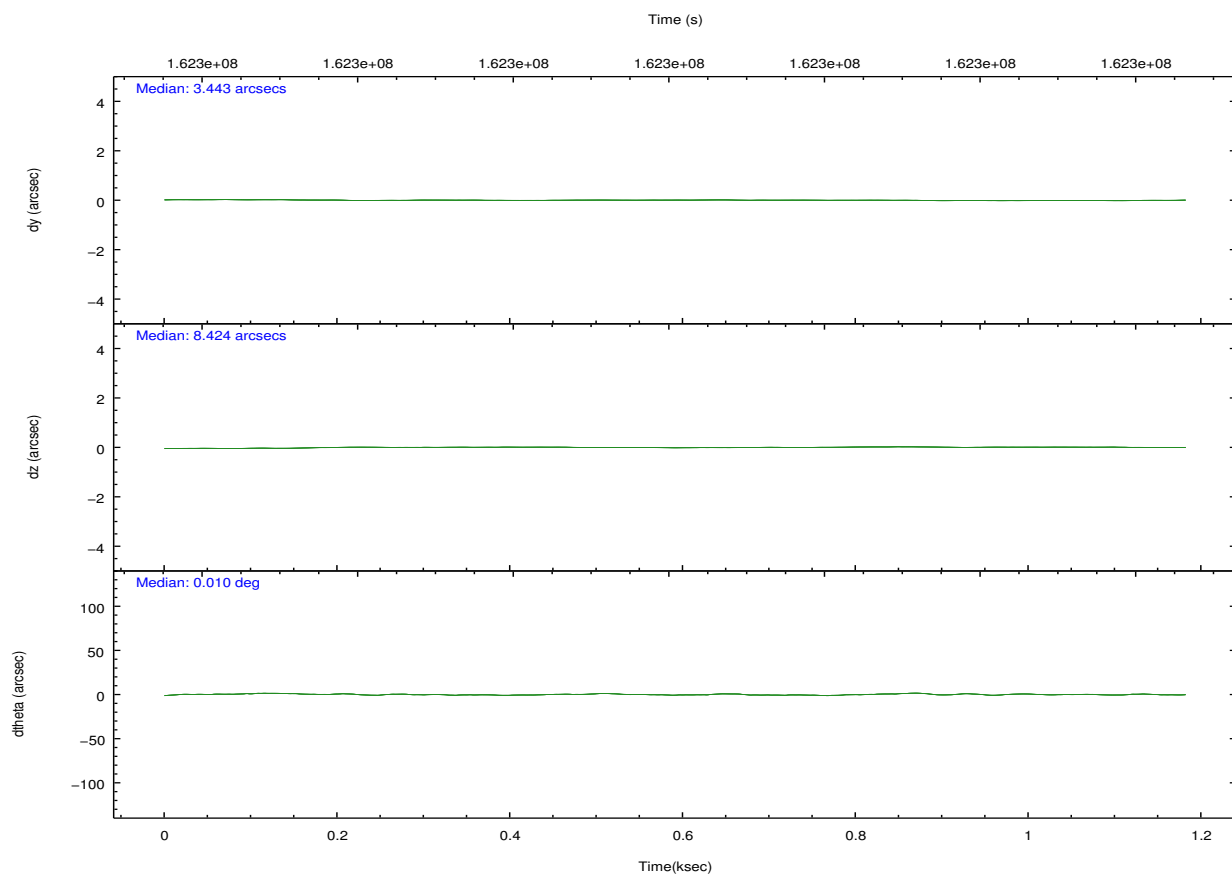
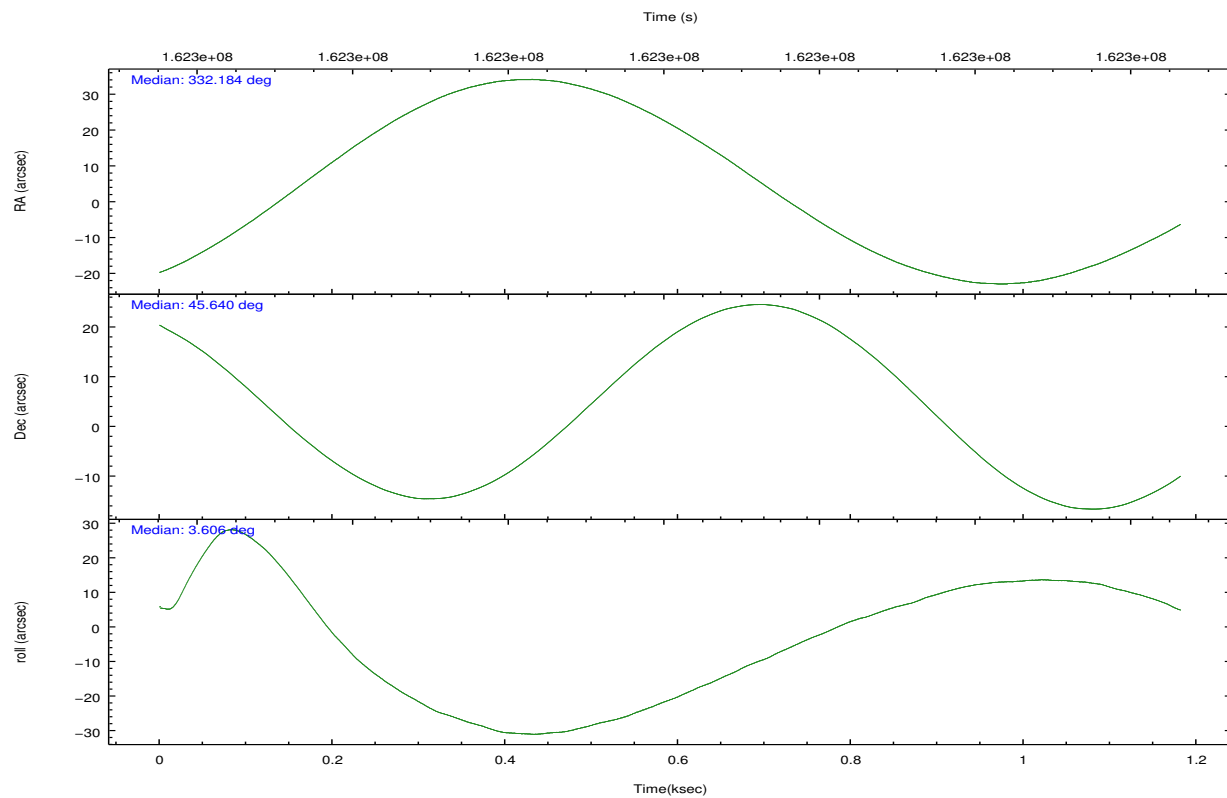
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.153128	332.1845363310055
[deg] Pointing Dec	45.625632	45.64042913134652
[deg] Pointing Roll	3.724892	3.606868310058476
[s] Window start time (MET)	161697664.184000	161697664.184000
[s] Window stop time (MET)	165412864.184000	165412864.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	162296598.184000	162296222.29467
Observation start date	2003-02-22T10:22:14	2003-02-22T10:17:02
[s] Observation end time (MET)	162297598.184000	162297732.11973
Observation end date	2003-02-22T10:38:54	2003-02-22T10:42:12

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

2.3 Aspect



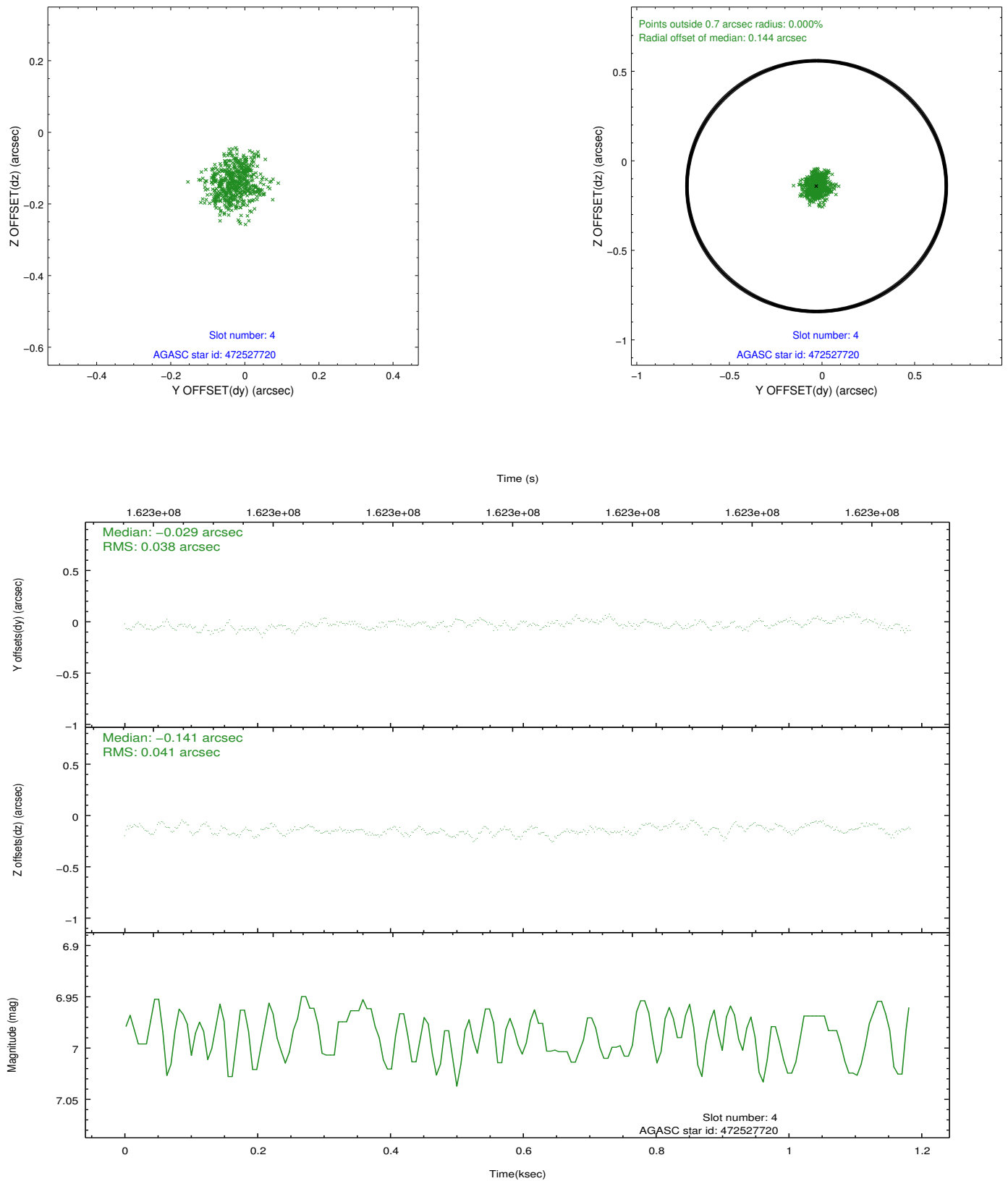


Slot Statistics

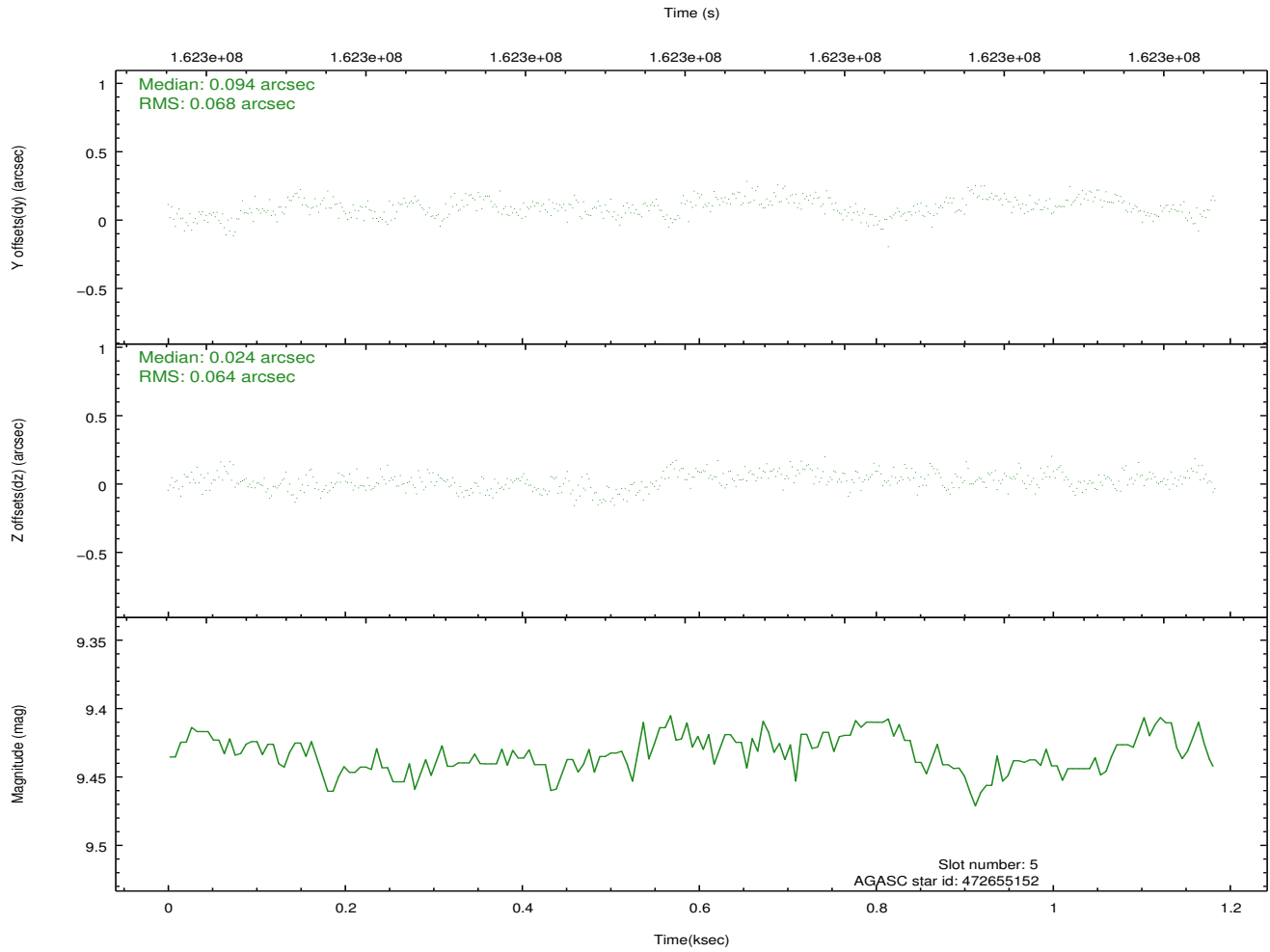
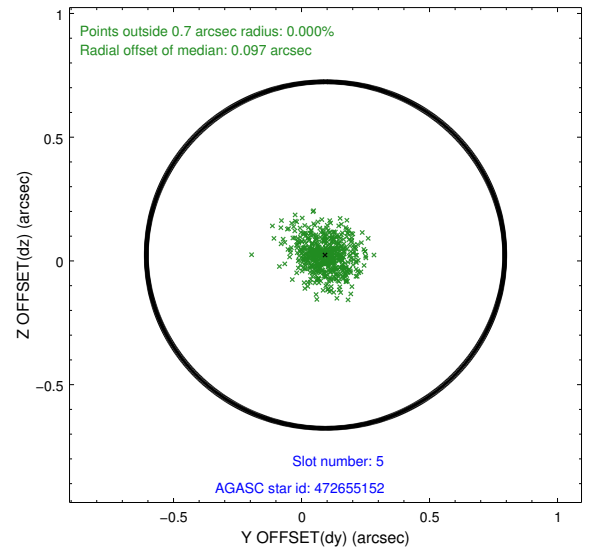
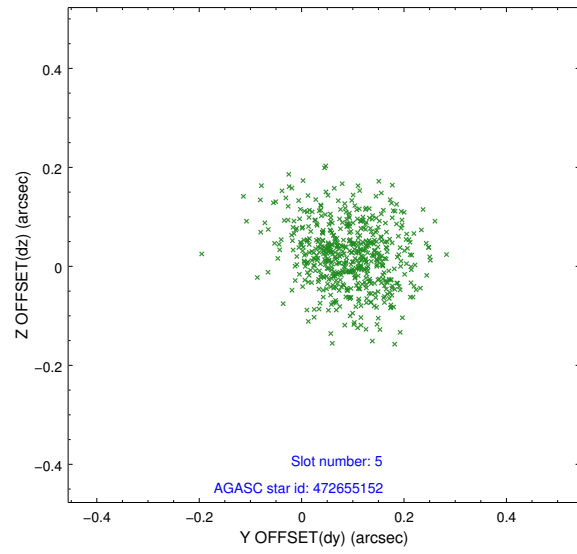
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	288	0.072	0.057	0.011	0.021	0.000000	0.000000	-758.89	-1296.28
1	FID	HRC-I-3	7.06	289	-0.009	-0.067	0.009	0.017	0.000000	0.000000	-1190.03	1003.69
2	FID	HRC-I-4	7.01	289	0.051	-0.078	0.005	0.011	0.000000	0.000000	1279.82	1009.18
3	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
4	GUIDE	472527720	6.99	578	-0.029	-0.141	0.060	0.095	331.460205	45.112509	-1874.93	-1719.00
5	GUIDE	472655152	9.43	578	0.094	0.024	0.100	0.163	332.504239	45.862991	932.13	797.17
6	GUIDE	472659832	9.46	576	0.015	0.008	0.105	0.171	332.780399	46.098139	1676.37	1605.99
7	GUIDE	472652872	10.10	575	-0.083	0.118	0.129	0.217	332.255928	45.019274	123.35	-2189.54

2.4 Star Slots

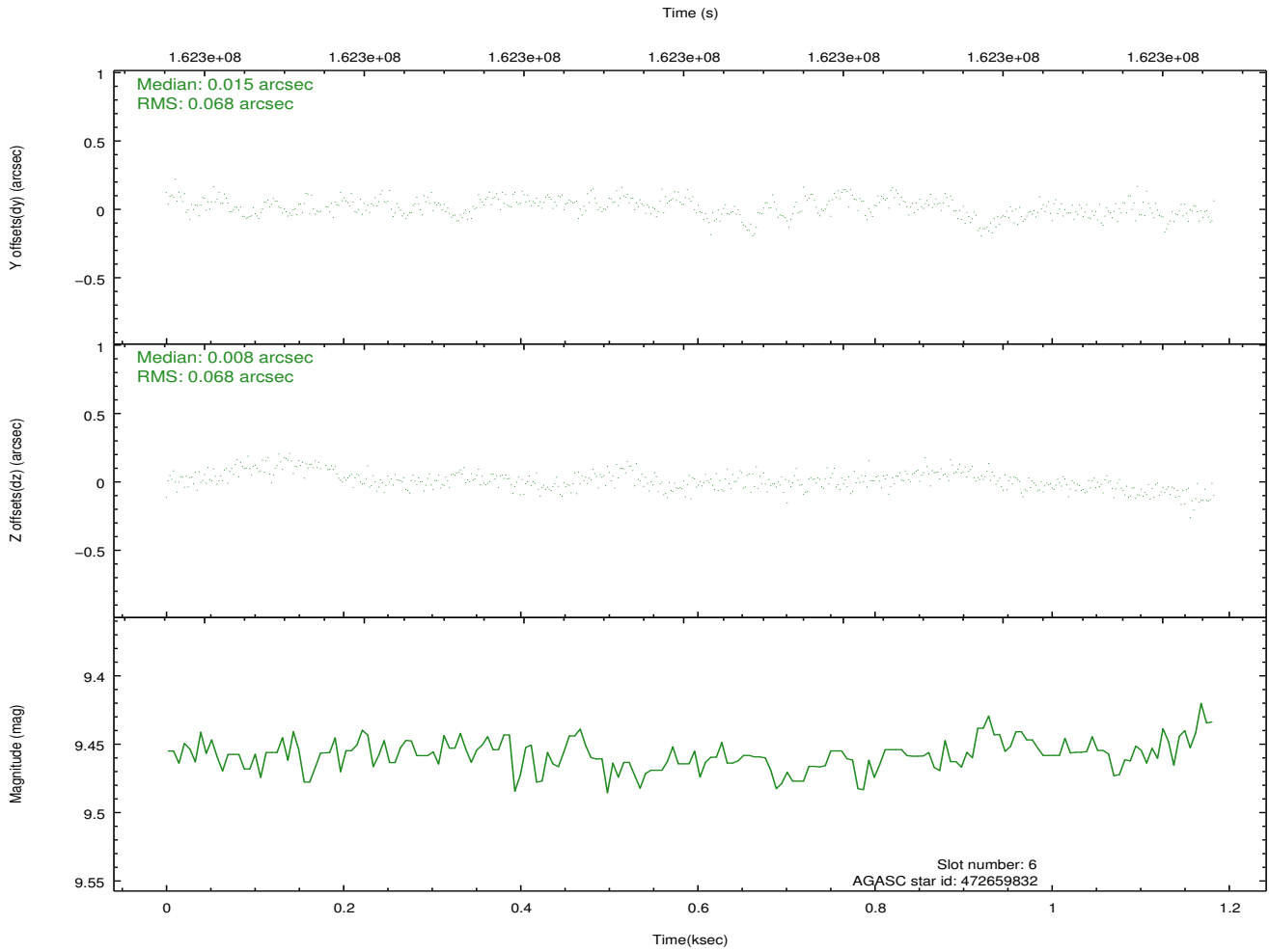
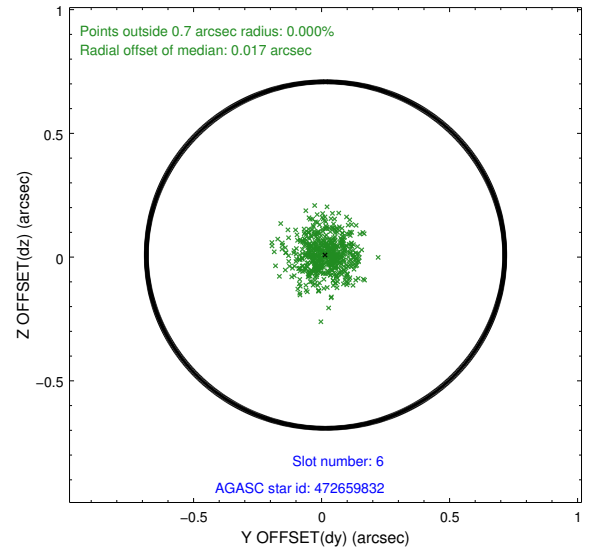
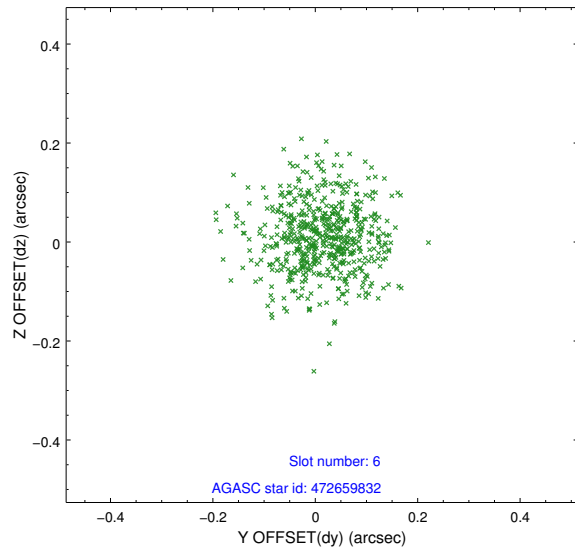
2.4.1 Slot 4



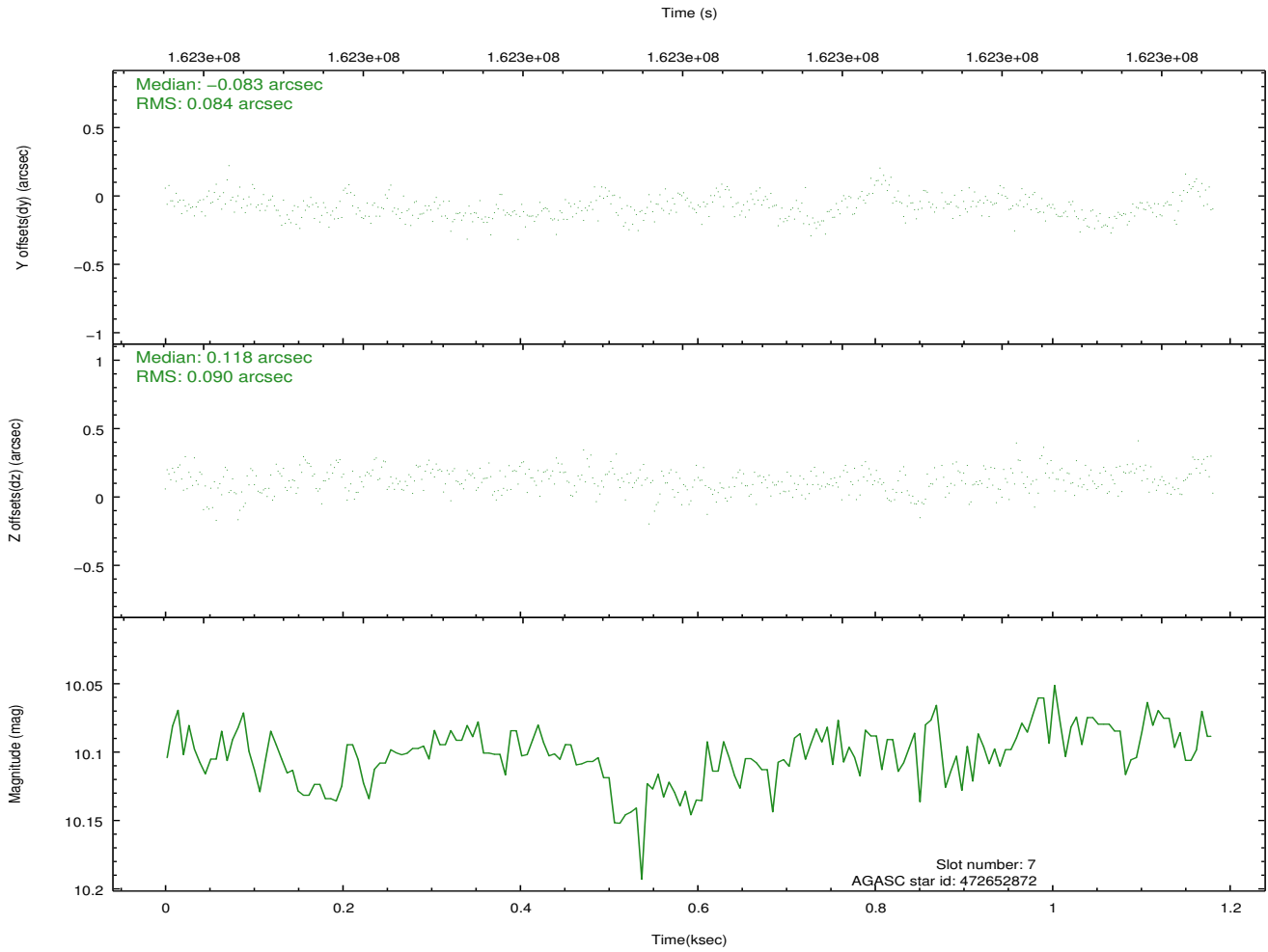
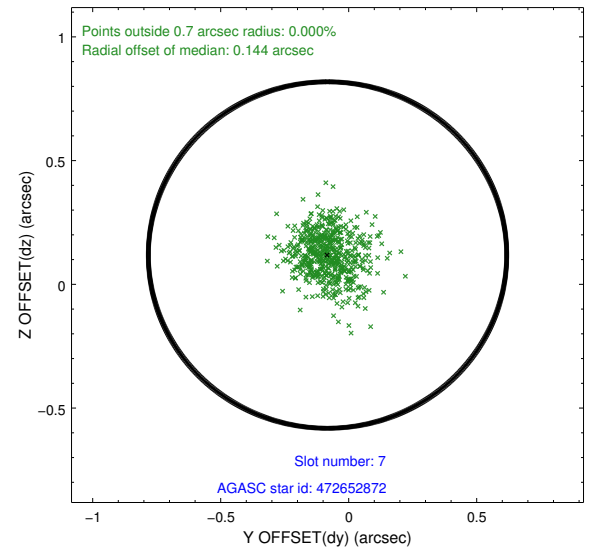
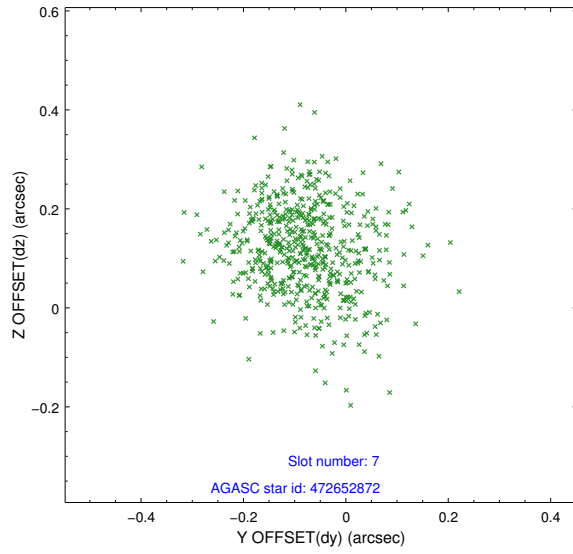
2.4.2 Slot 5



2.4.3 Slot 6

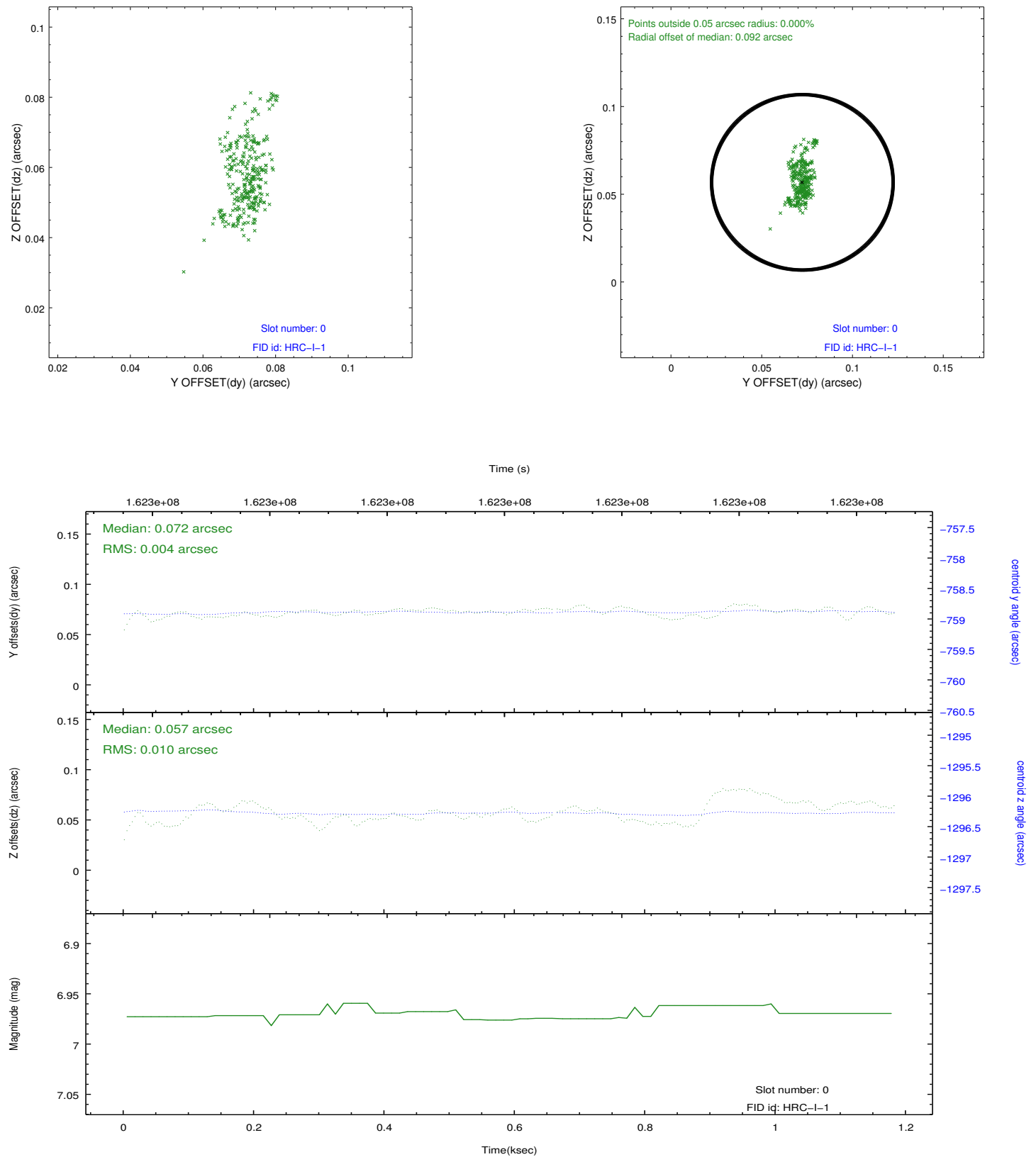


2.4.4 Slot 7

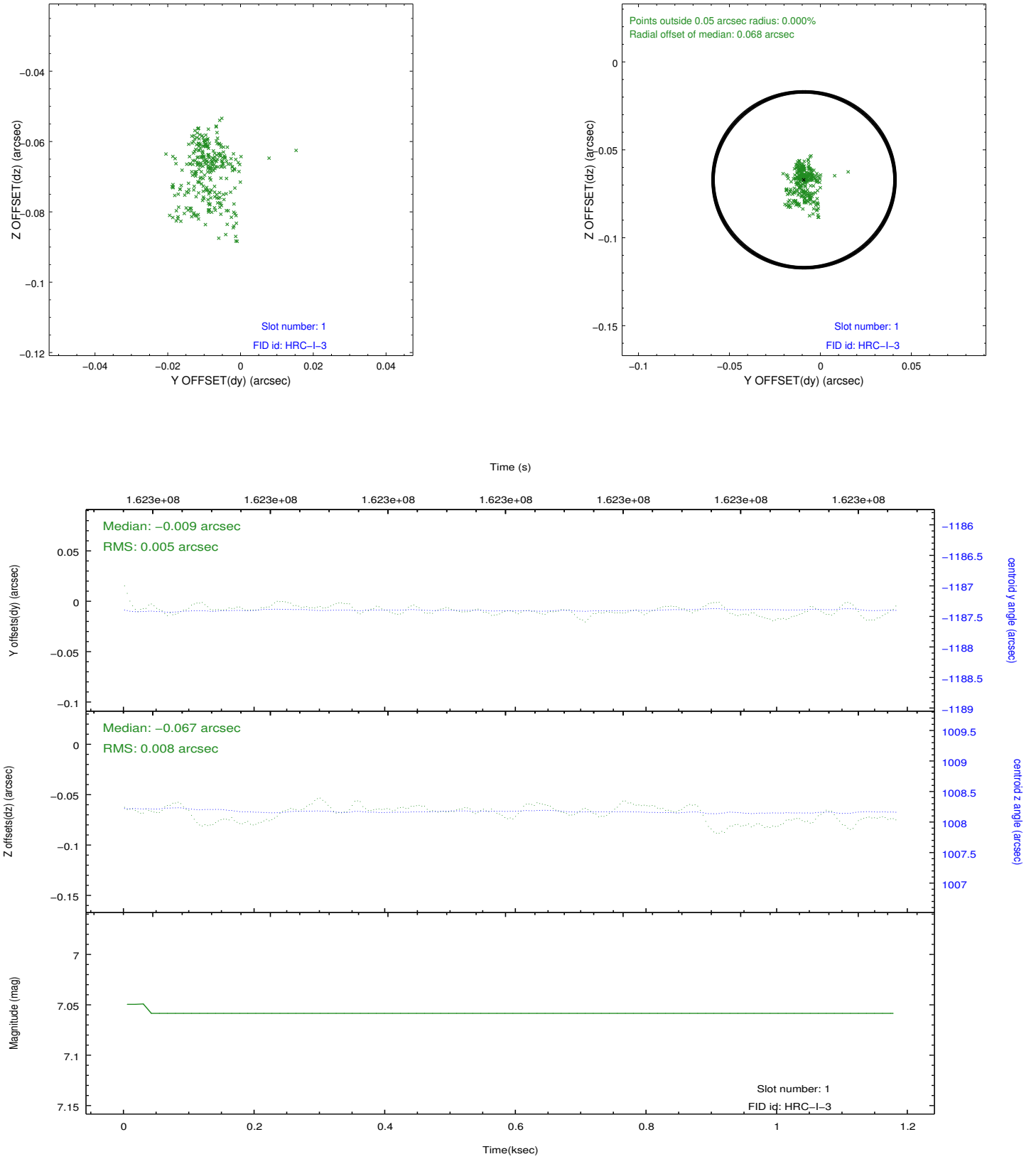


2.5 FID Slots

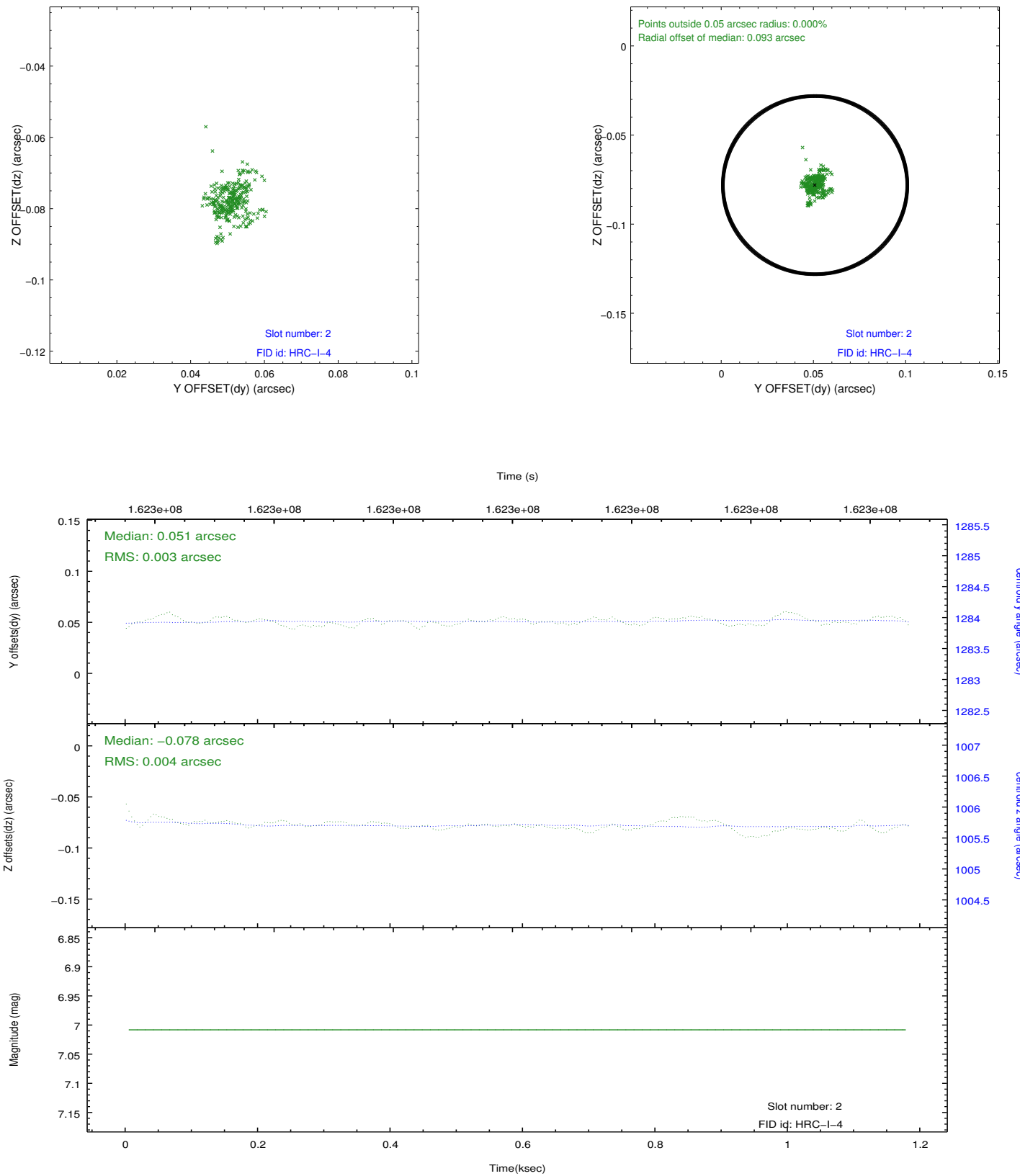
2.5.1 Slot 0



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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.181

A.2 Comments

Window preference met.

The guide star in slot 3 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this star from the solution.