

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11938 - L2 Version 3
Chandra X-Ray Center

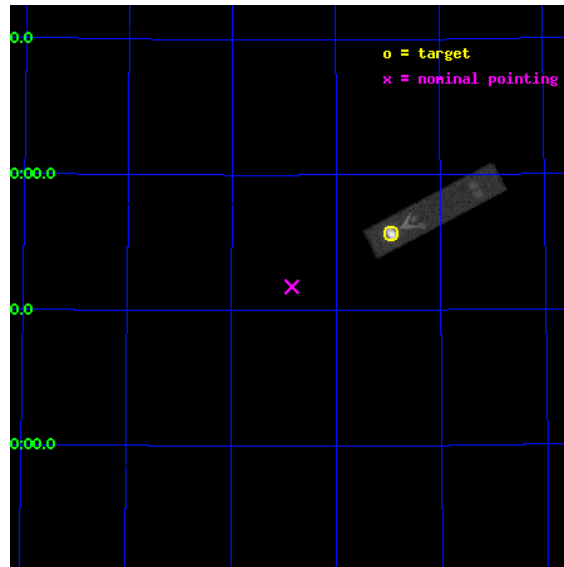
L2 Processing Date : Aug 13 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

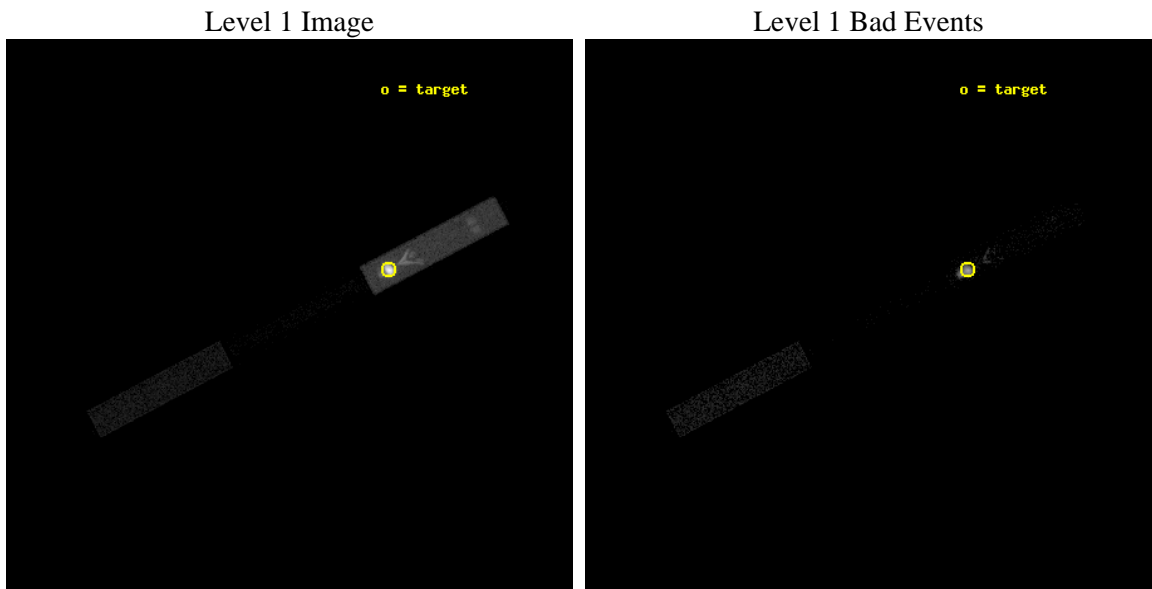
seq_num	290927	Sequence number
obs_id	11938	Observation id
title	AO-11 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.71230689835	Nominal RA [deg]
dec_nom	38.587776802278	Nominal Dec [deg]
roll_nom	332.28264841649	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1182.0813096166	[s]
liveltime	443.93424860034	Ontime multiplied by DTCOR
l2events	209252	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	8.4.5	Processing system revision	ontime	1182.0813096166	[s]
caldsver	4.5.1.1	 	l1events	269140	Number of level 1 events
date	2012-08-13T18:01:11	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

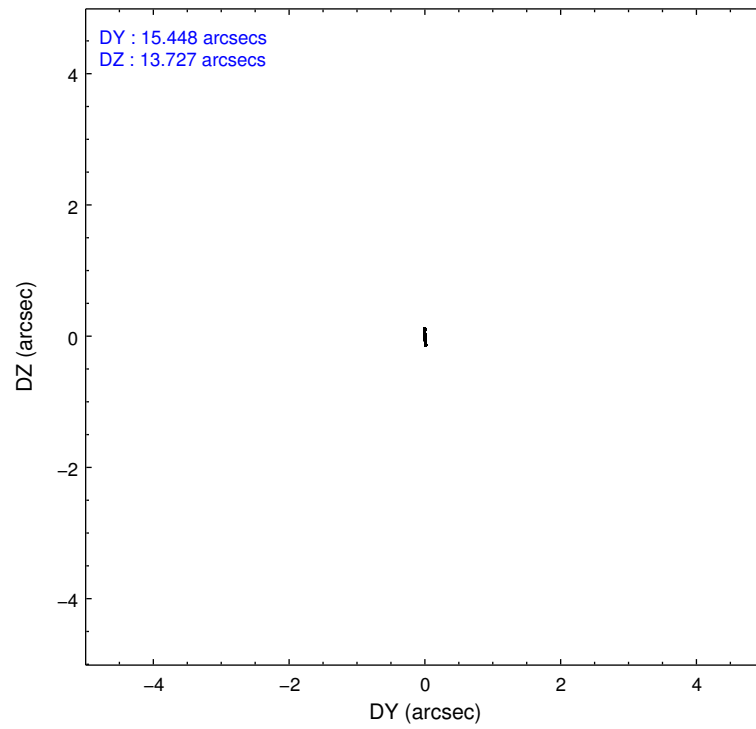
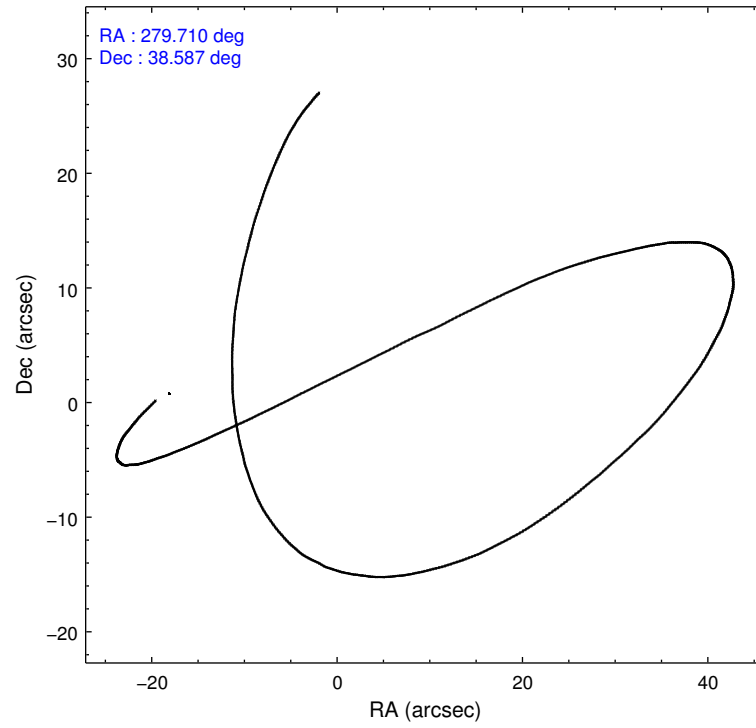
	segment 1	segment 2	segment 3
level 1 events	262644	352	6144
rejected events	44691	343	6144
rejected %	17%	97%	100%

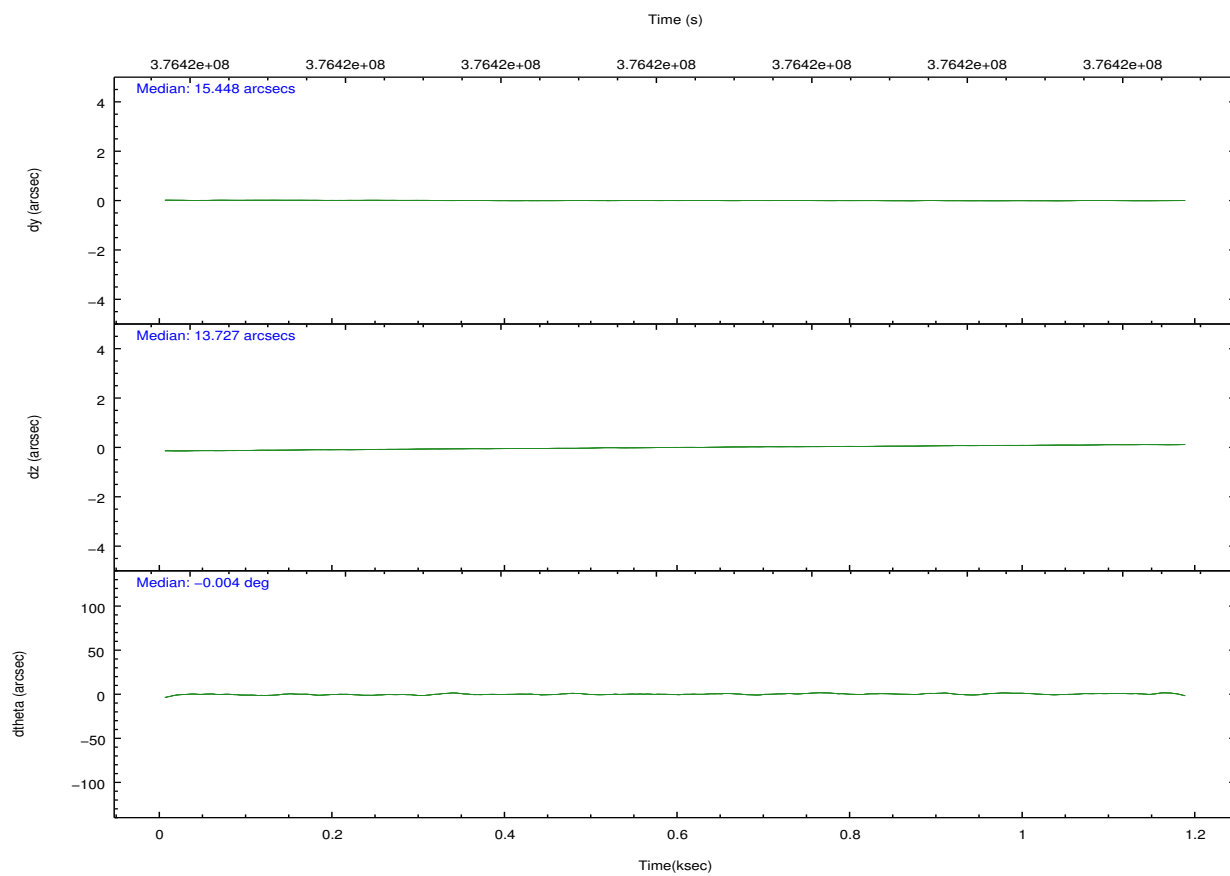
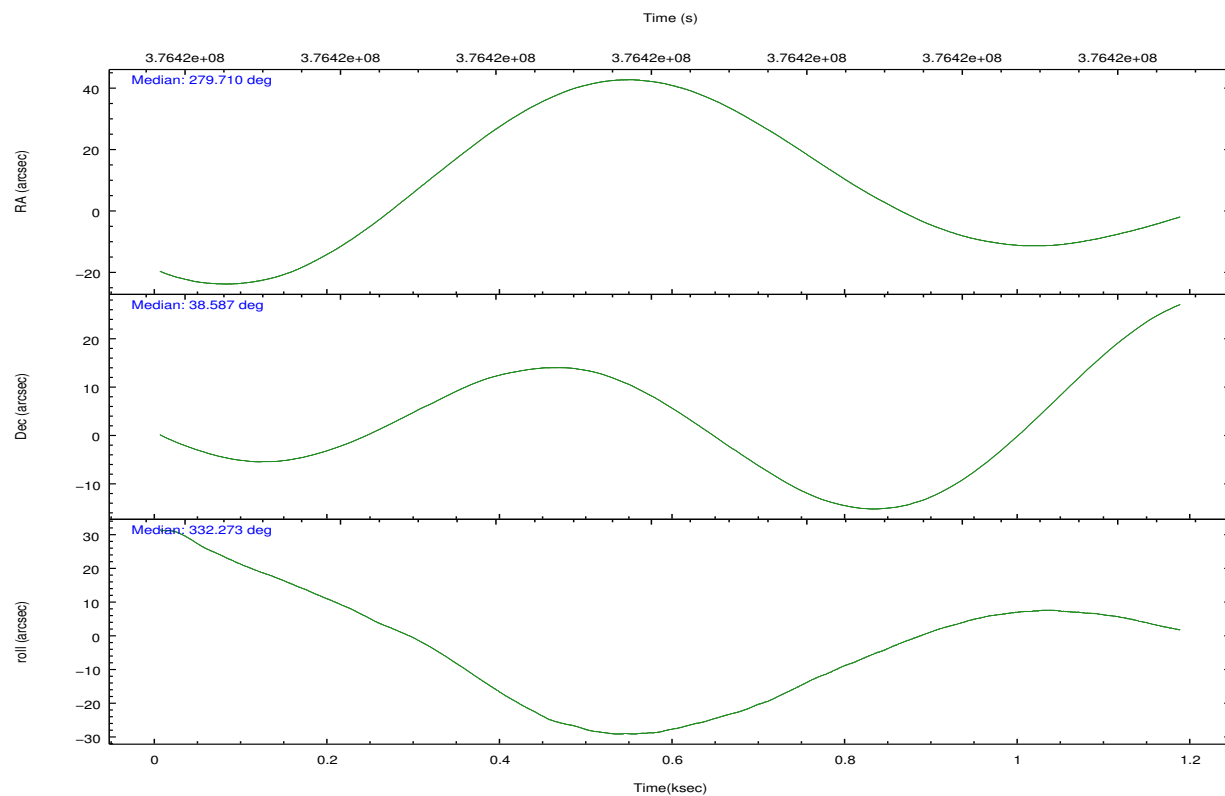
2.2 Compared Parameters

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	279.676674	279.7123068983487
[deg] Pointing Dec	38.585663	38.58777680227846
[deg] Pointing Roll	332.237495	332.2826484164866
[s] Window start time (MET)	376012866.184000	376012866.184000
[s] Window stop time (MET)	383702466.184000	383702466.184000
[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)	376420222.184000	376419845.72196
Observation start date	2009-12-05T17:09:16	2009-12-05T17:04:05
[s] Observation end time (MET)	376421222.184000	376421356.57203
Observation end date	2009-12-05T17:25:56	2009-12-05T17:29:16

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

2.3 Aspect



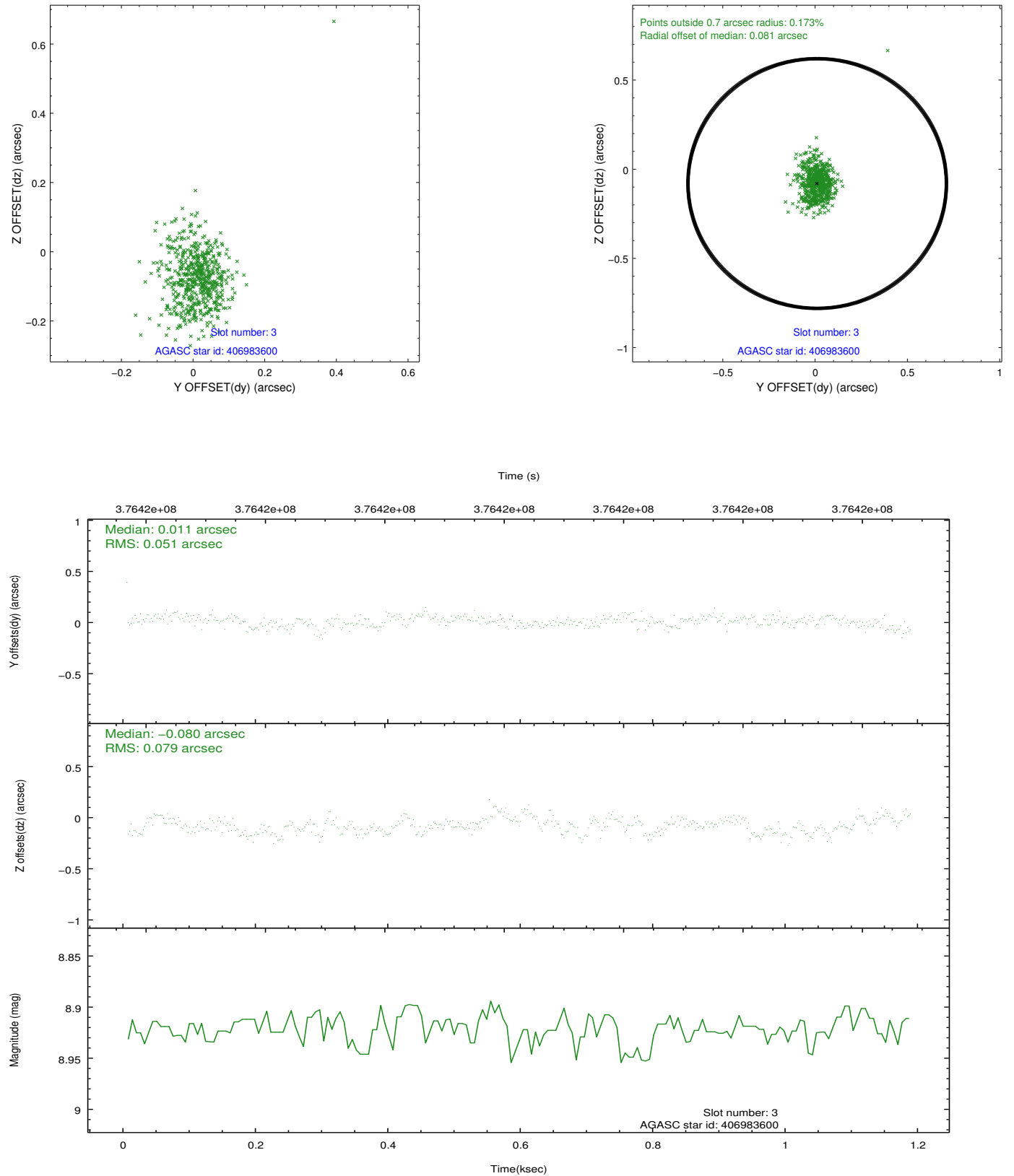


Slot Statistics

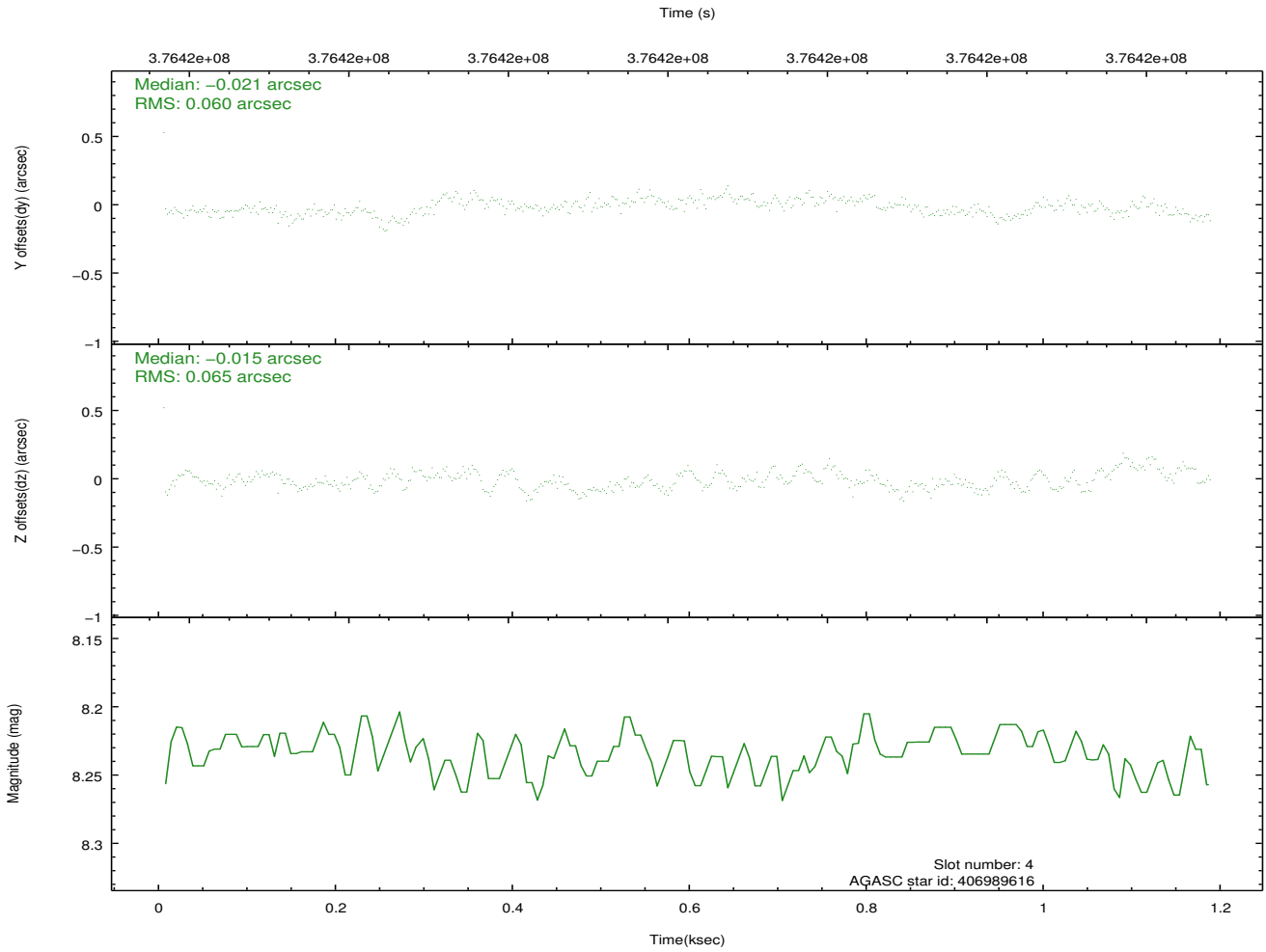
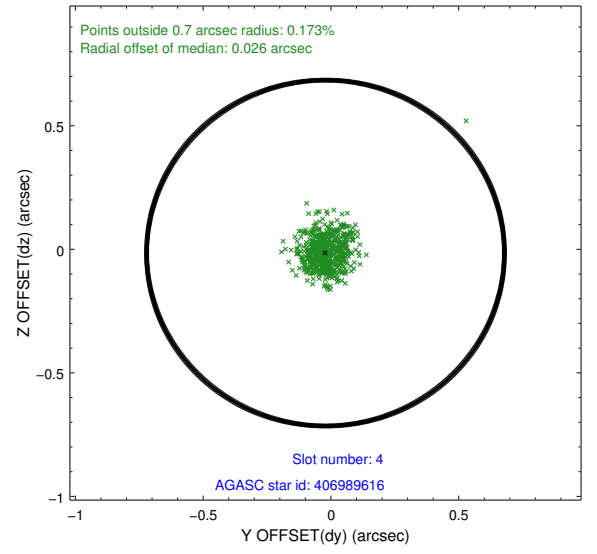
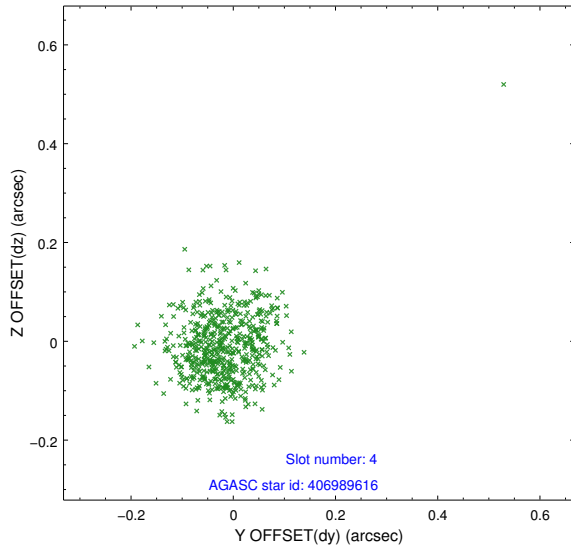
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	289	0.042	-0.172	0.007	0.011	0.000000	0.000000	-1169.89	-462.56
1	FID	HRC-S-2	6.96	289	0.252	-0.115	0.004	0.007	0.000000	0.000000	1225.93	-456.72
2	FID	HRC-S-3	6.99	289	0.095	-0.016	0.007	0.012	0.000000	0.000000	-1168.33	565.53
3	GUIDE	406983600	8.92	578	0.011	-0.080	0.093	0.162	279.940957	39.020708	-73.09	1733.61
4	GUIDE	406989616	8.23	577	-0.021	-0.015	0.088	0.139	279.202881	38.520843	-1071.83	-819.36
5	GUIDE	406992536	9.53	577	0.088	0.050	0.164	0.266	279.892381	37.822333	1823.14	-2143.46
6	GUIDE	406992968	7.67	578	-0.022	-0.041	0.088	0.137	279.925490	37.993090	1622.84	-1558.28
7	GUIDE	406989104	9.14	576	-0.048	0.076	0.106	0.175	279.132962	38.504168	-1216.01	-969.05

2.4 Star Slots

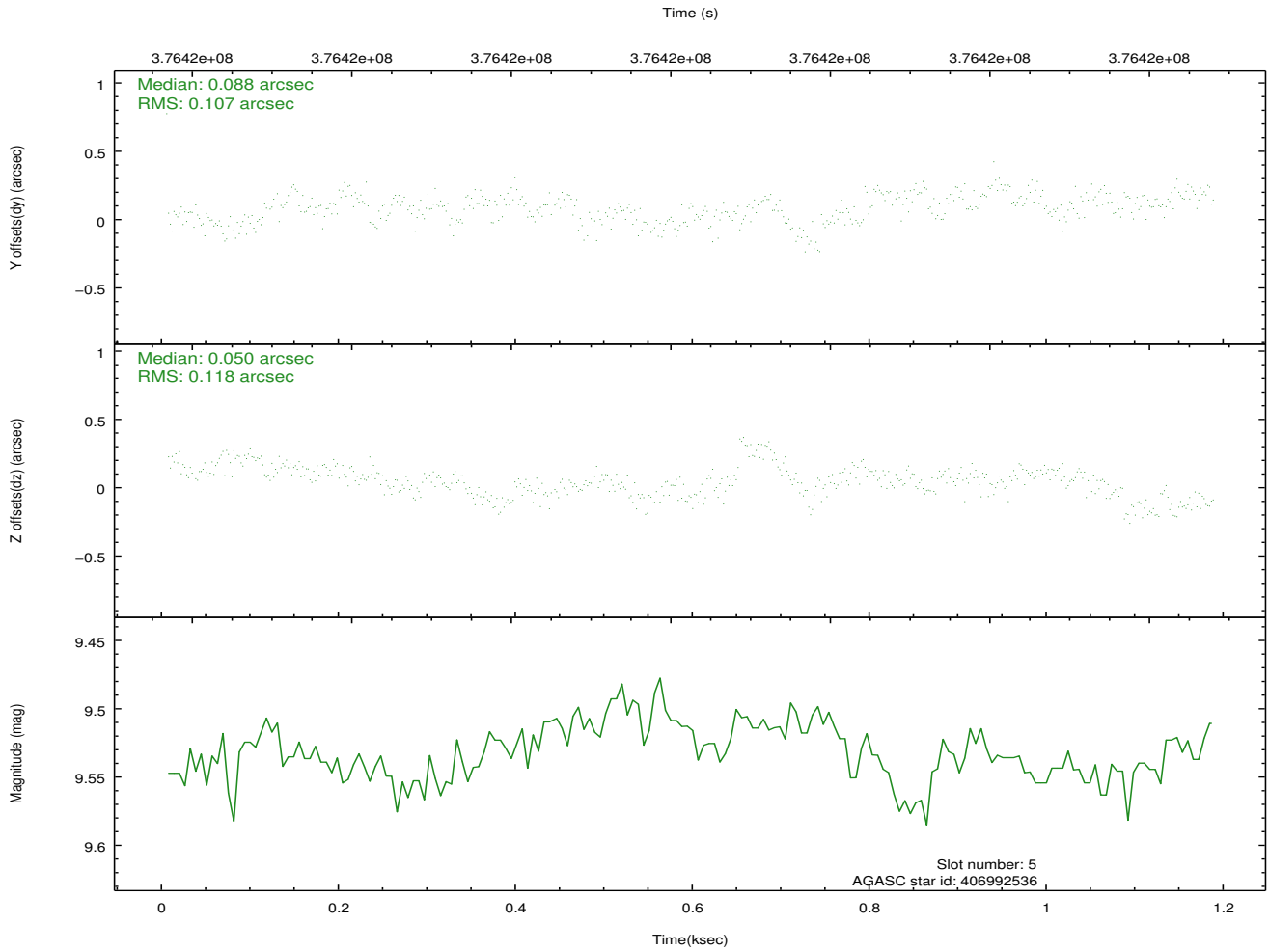
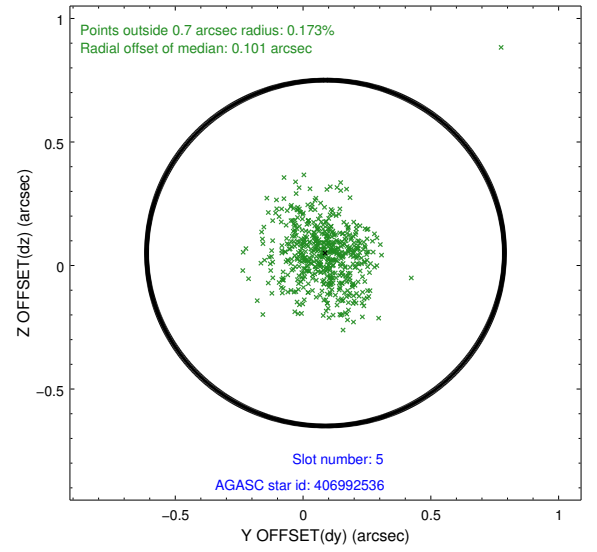
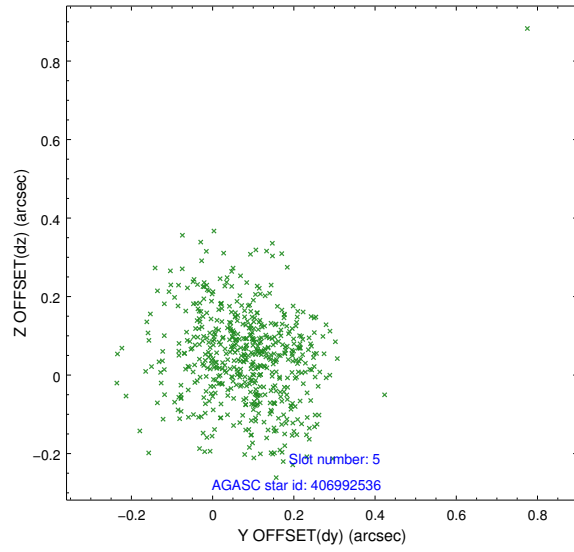
2.4.1 Slot 3



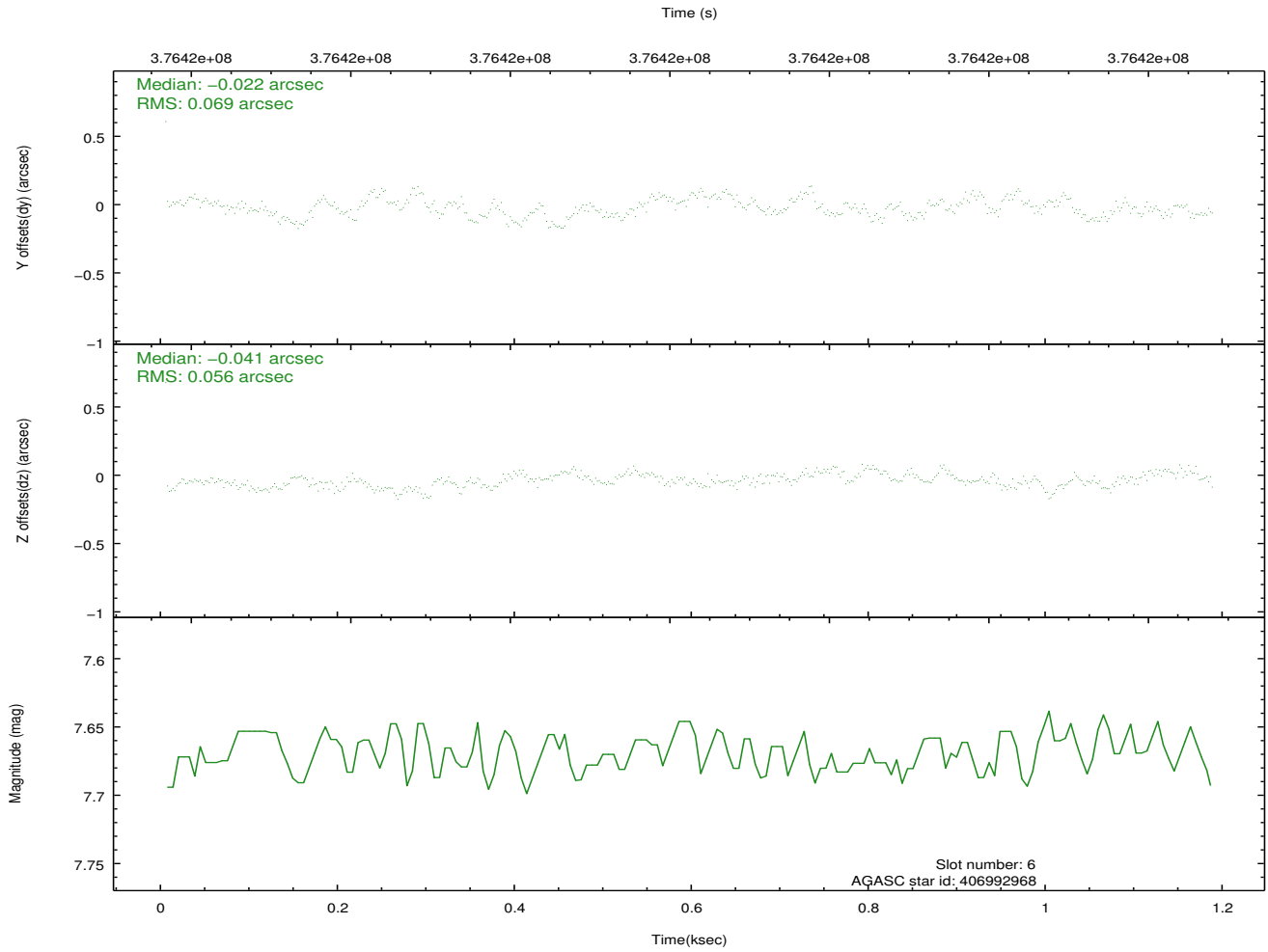
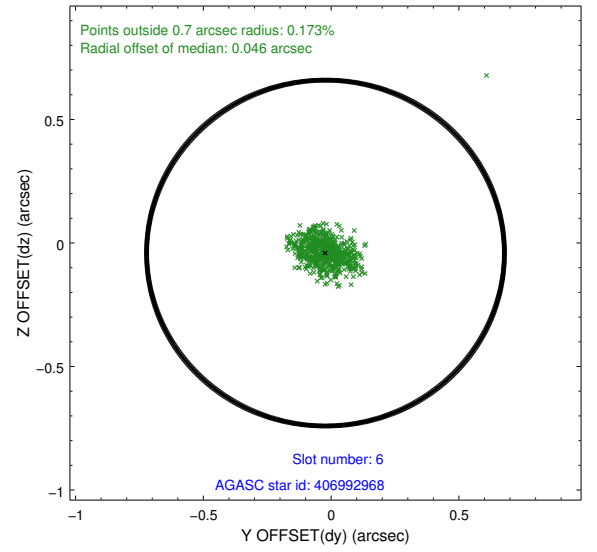
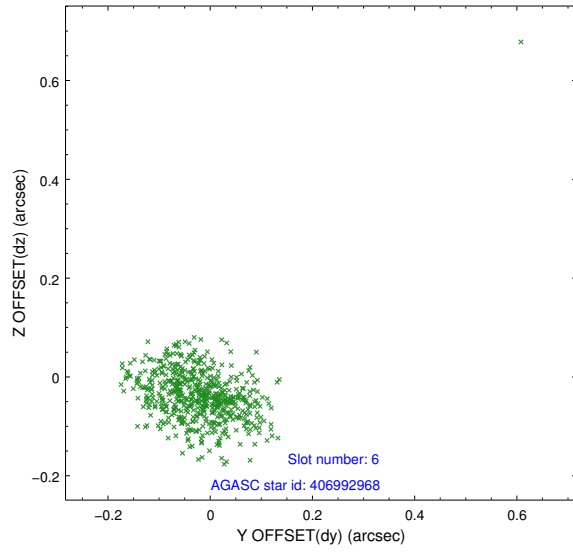
2.4.2 Slot 4



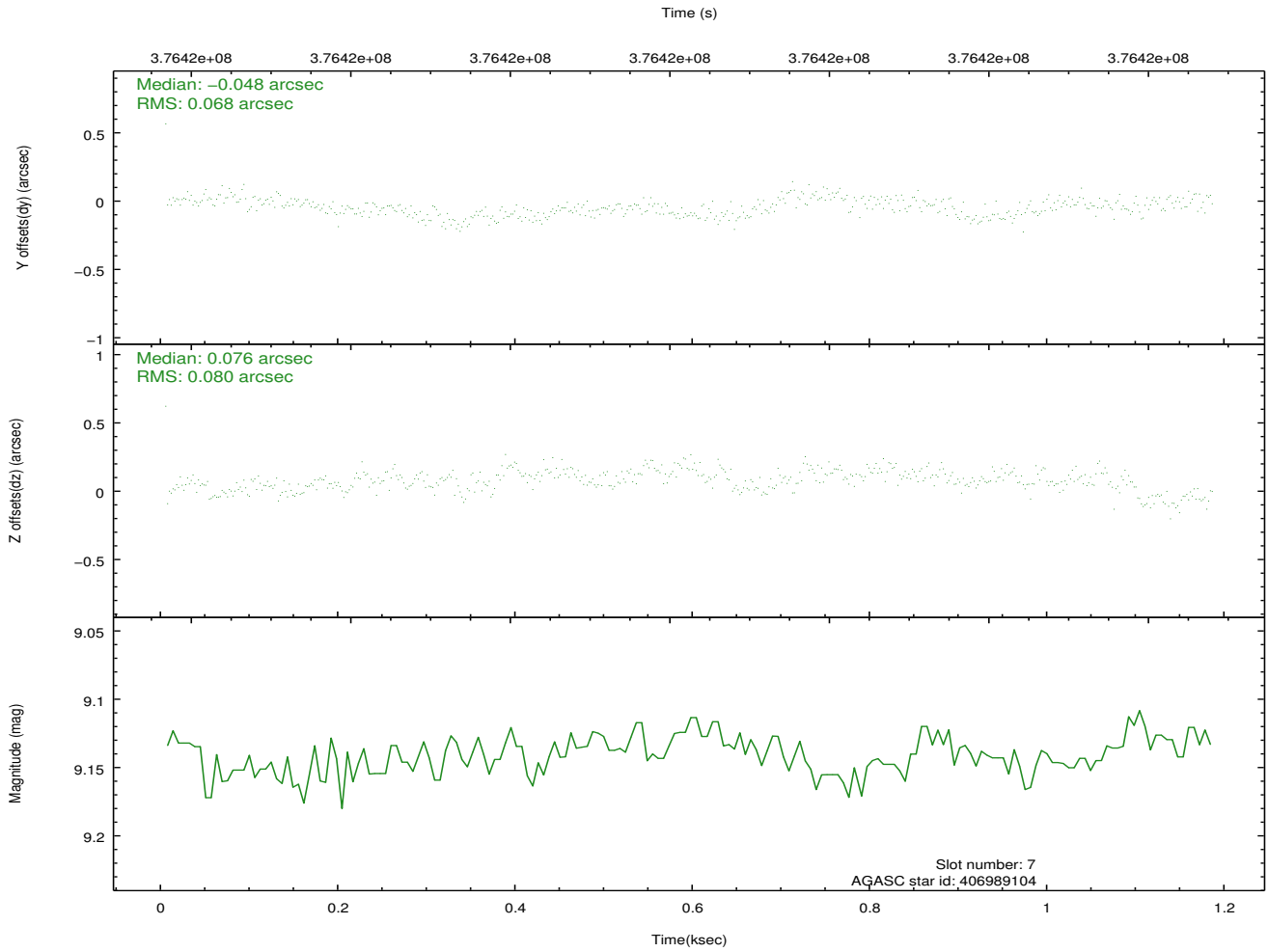
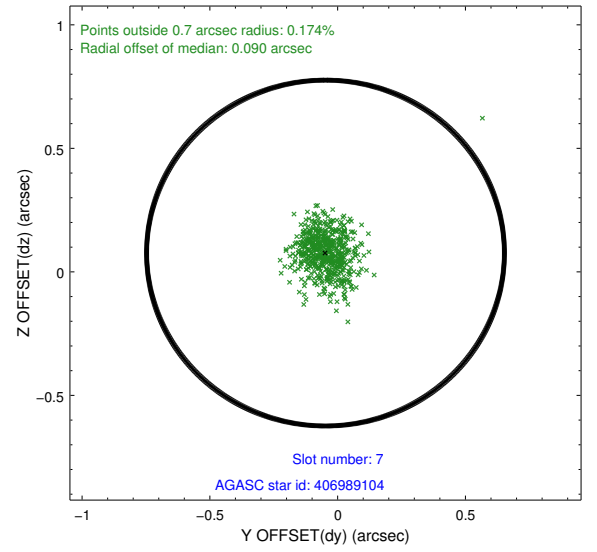
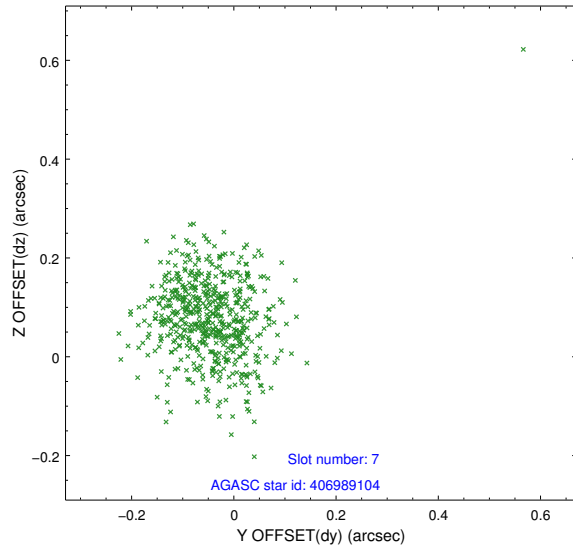
2.4.3 Slot 5



2.4.4 Slot 6

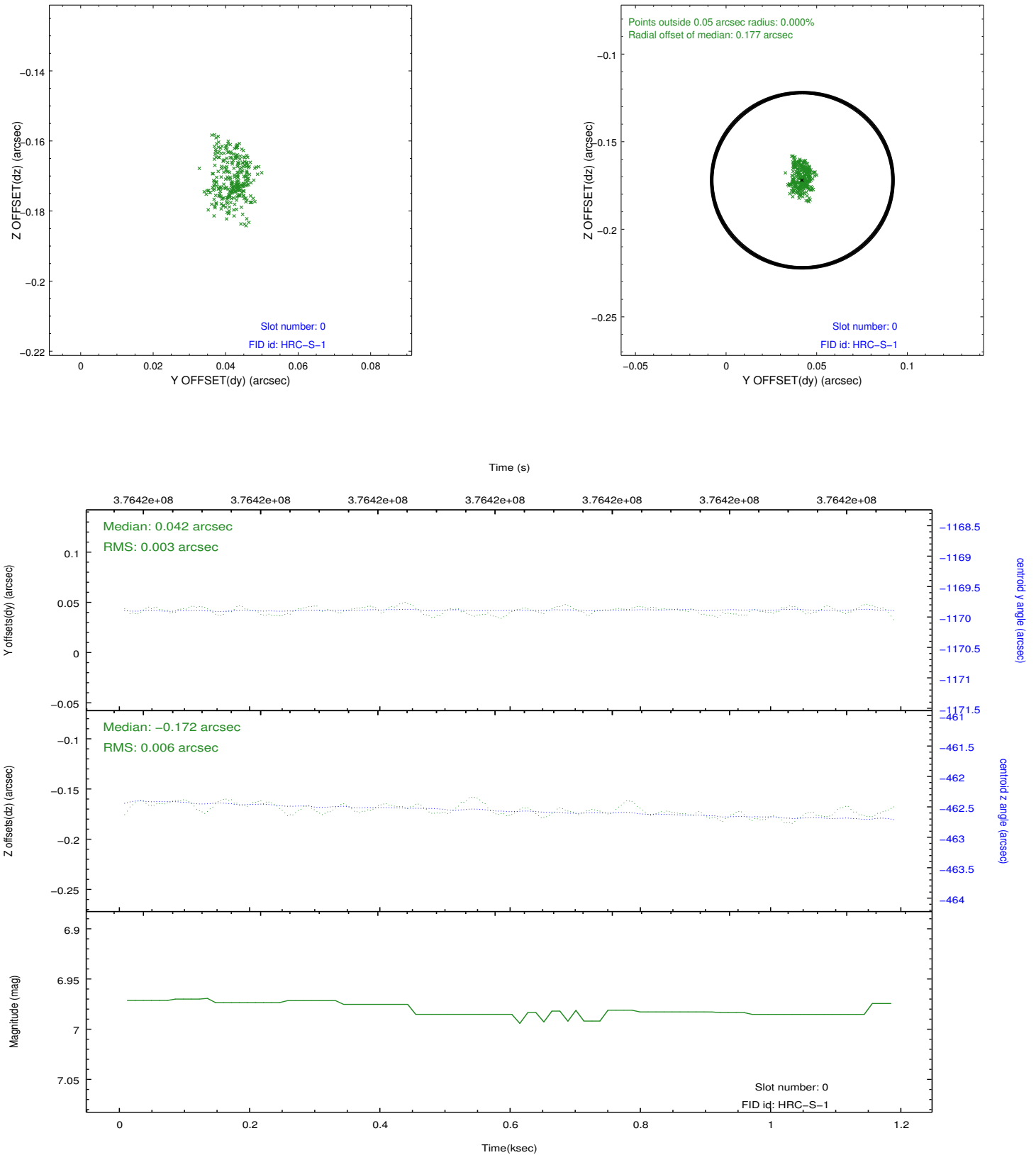


2.4.5 Slot 7

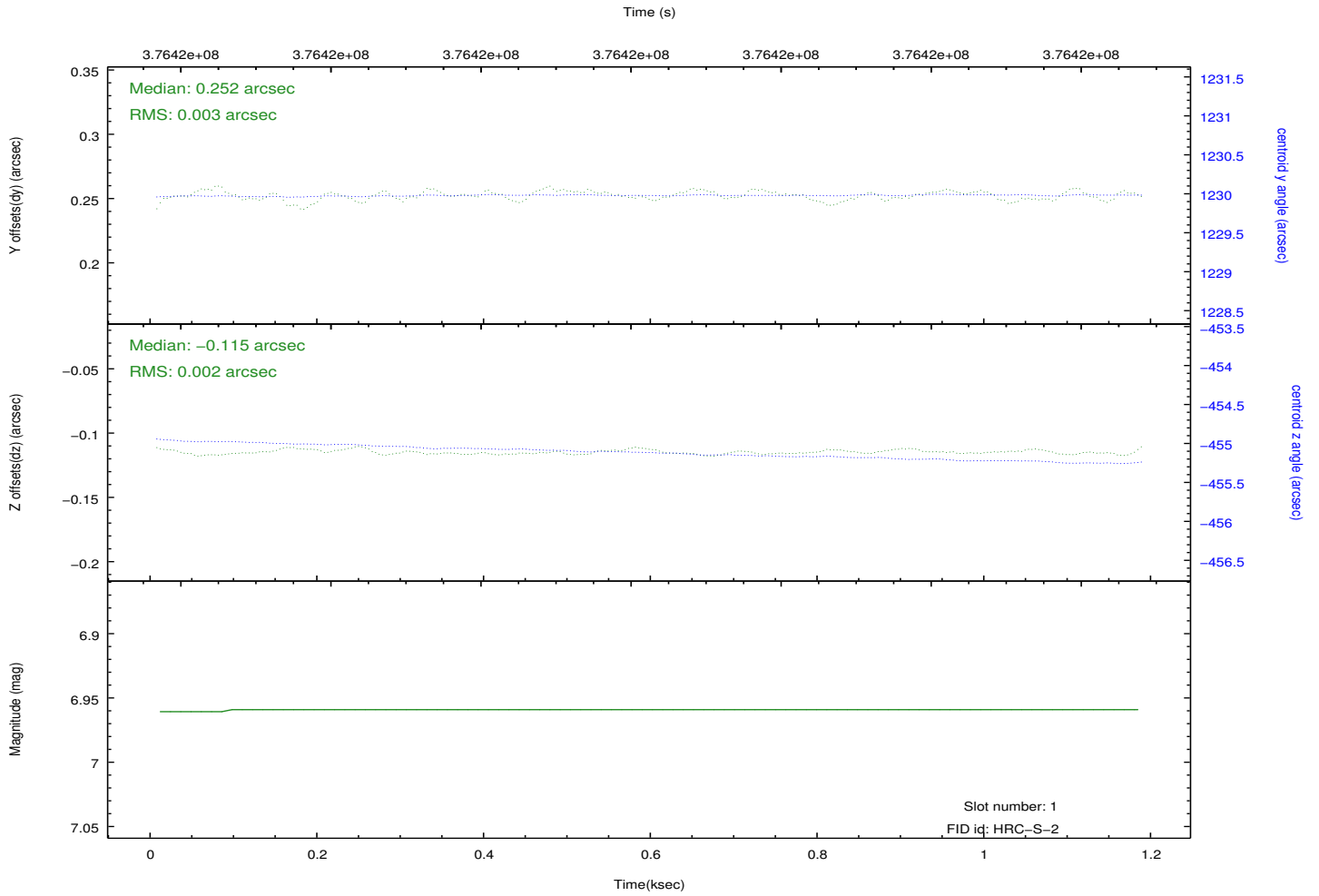
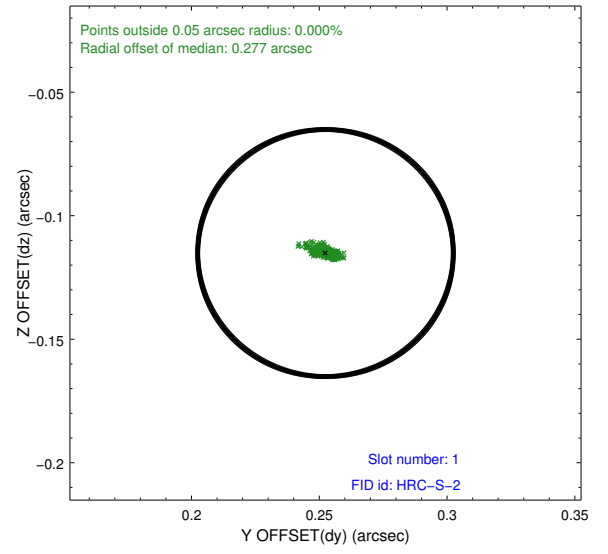
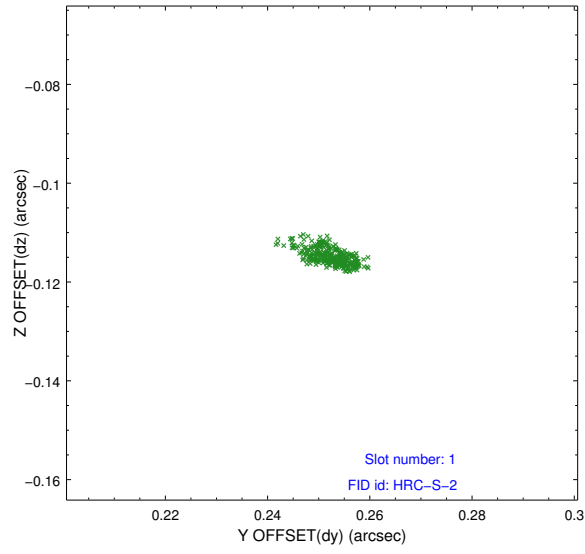


2.5 FID Slots

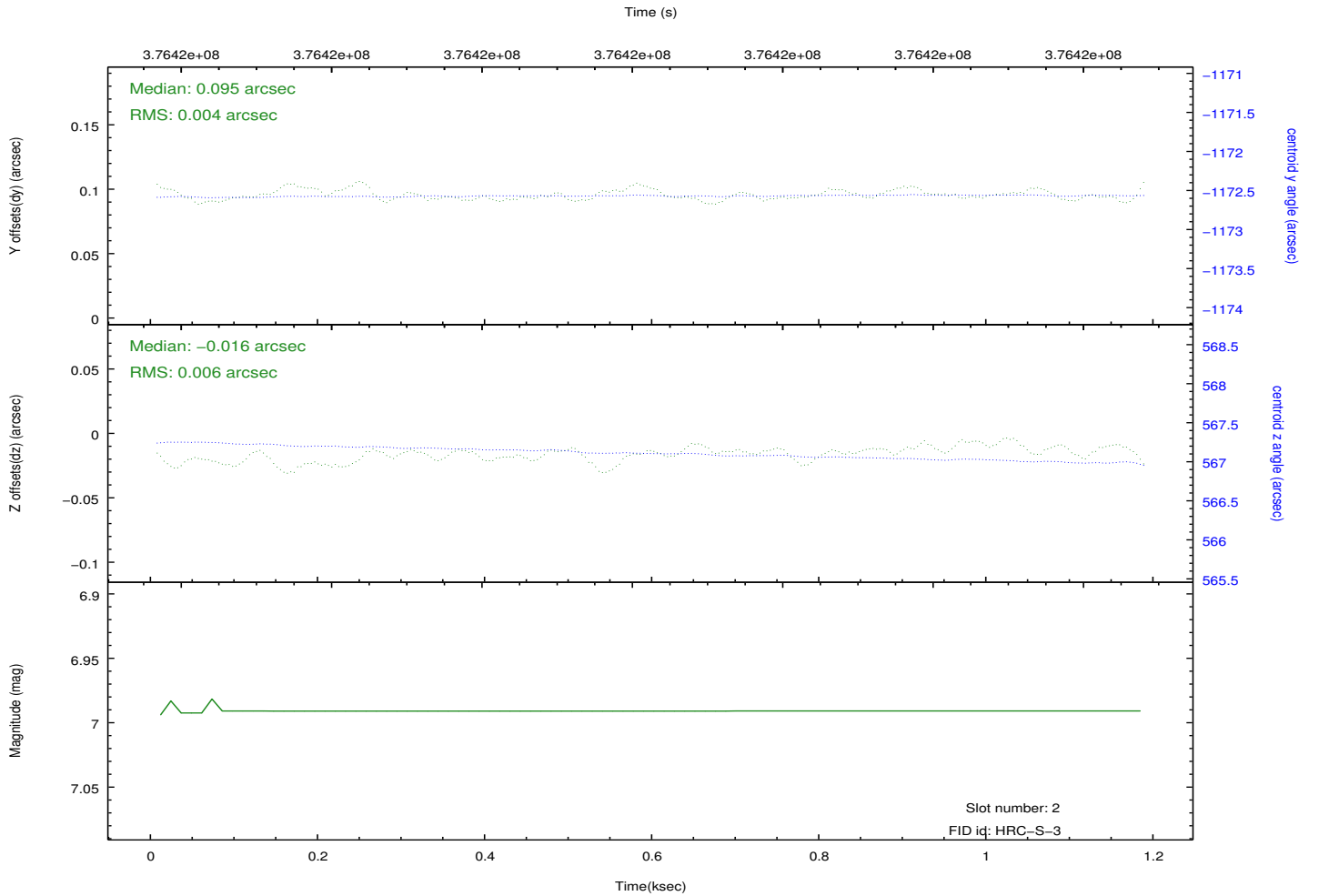
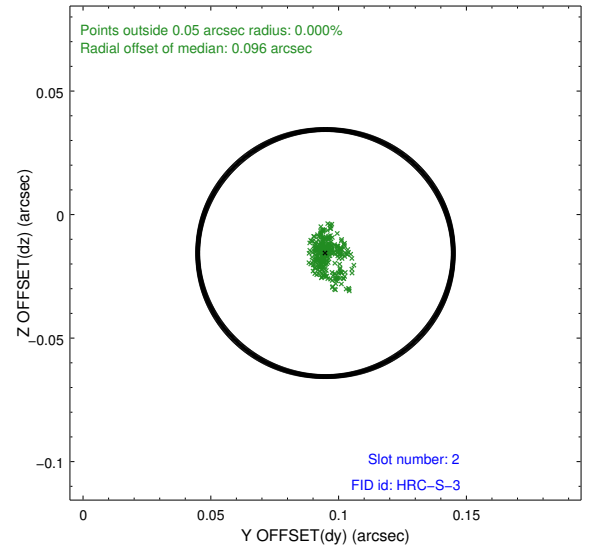
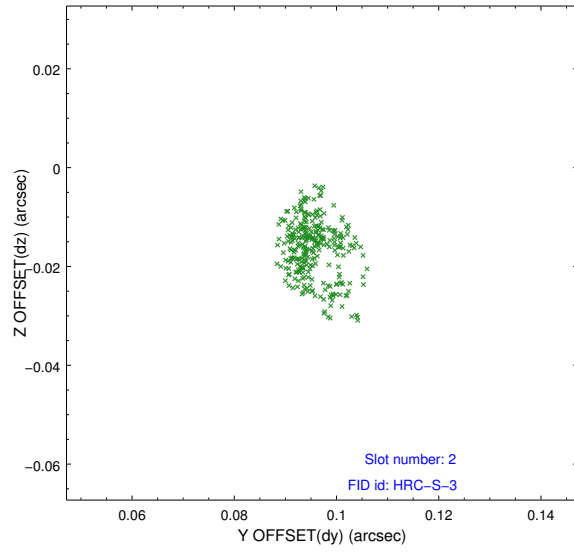
2.5.1 Slot 0



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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813094974

A.2 Comments

Window constraint met. The source is far off-axis.