

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2342 - L2 Version 5
Chandra X-Ray Center

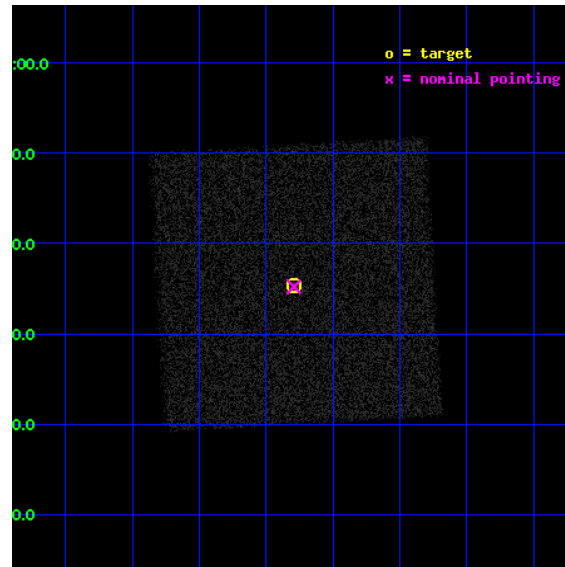
L2 Processing Date : Sep 4 2012

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 2	15
A	Summary	16
A.1	Status	16
A.2	Comments	16

1 Front

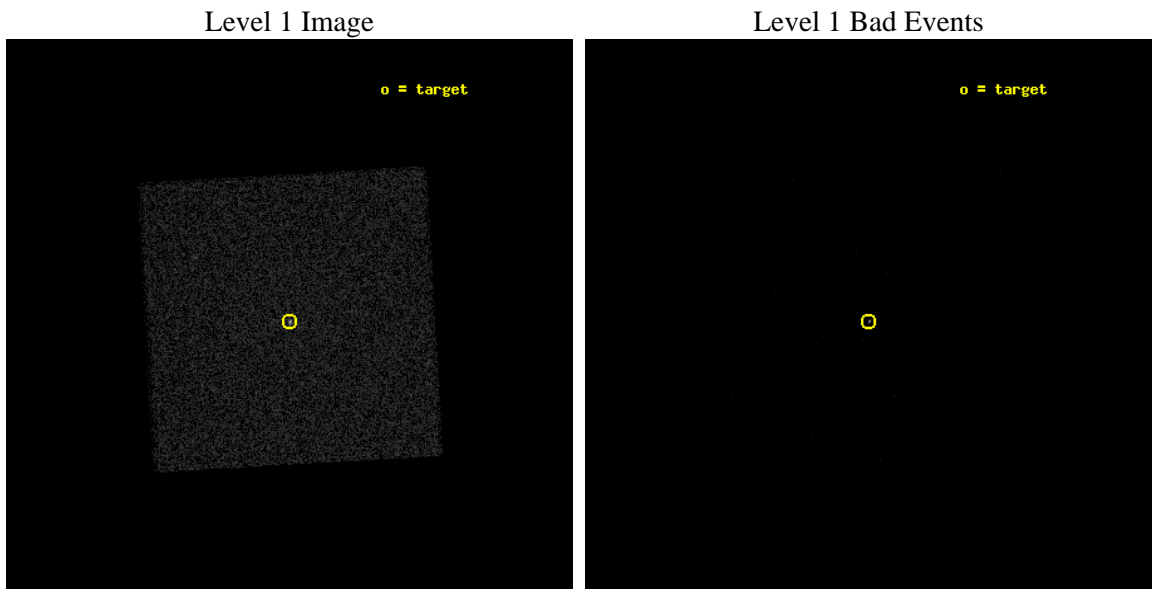
seq_num	390024	Sequence number
obs_id	2342	Observation id
title	HRC-I FOCUS CHECK	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA [deg]
dec_targ	0.589972	Observer's specified target Dec [deg]
ra_nom	54.19778774485	Nominal RA [deg]
dec_nom	0.58675910651908	Nominal Dec [deg]
roll_nom	311.64816352701	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1540.8313089162	[s]
livetime	1533.6065389209	Ontime multiplied by DTCOR
l2events	38927	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	1350.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1540.8313089162	[s]
caldbver	4.5.1.1	 	l1events	67864	Number of level 1 events
date	2012-09-05T00:49:57	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

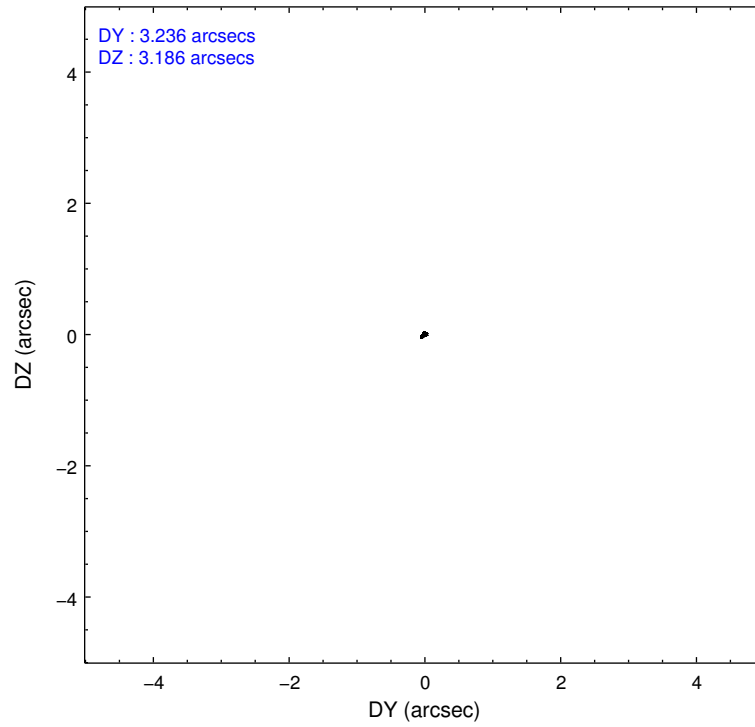
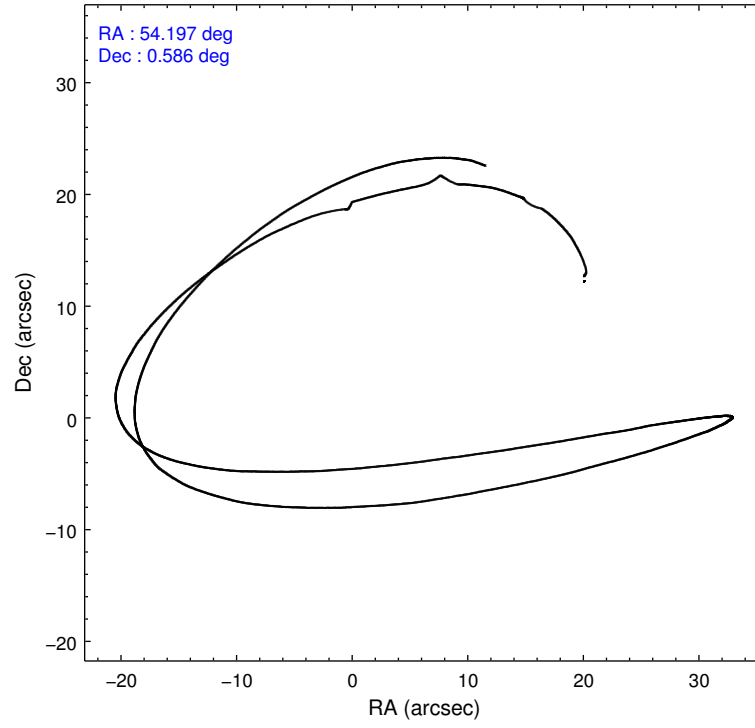
	segment 0
level 1 events	67864
rejected events	11433
rejected %	16%

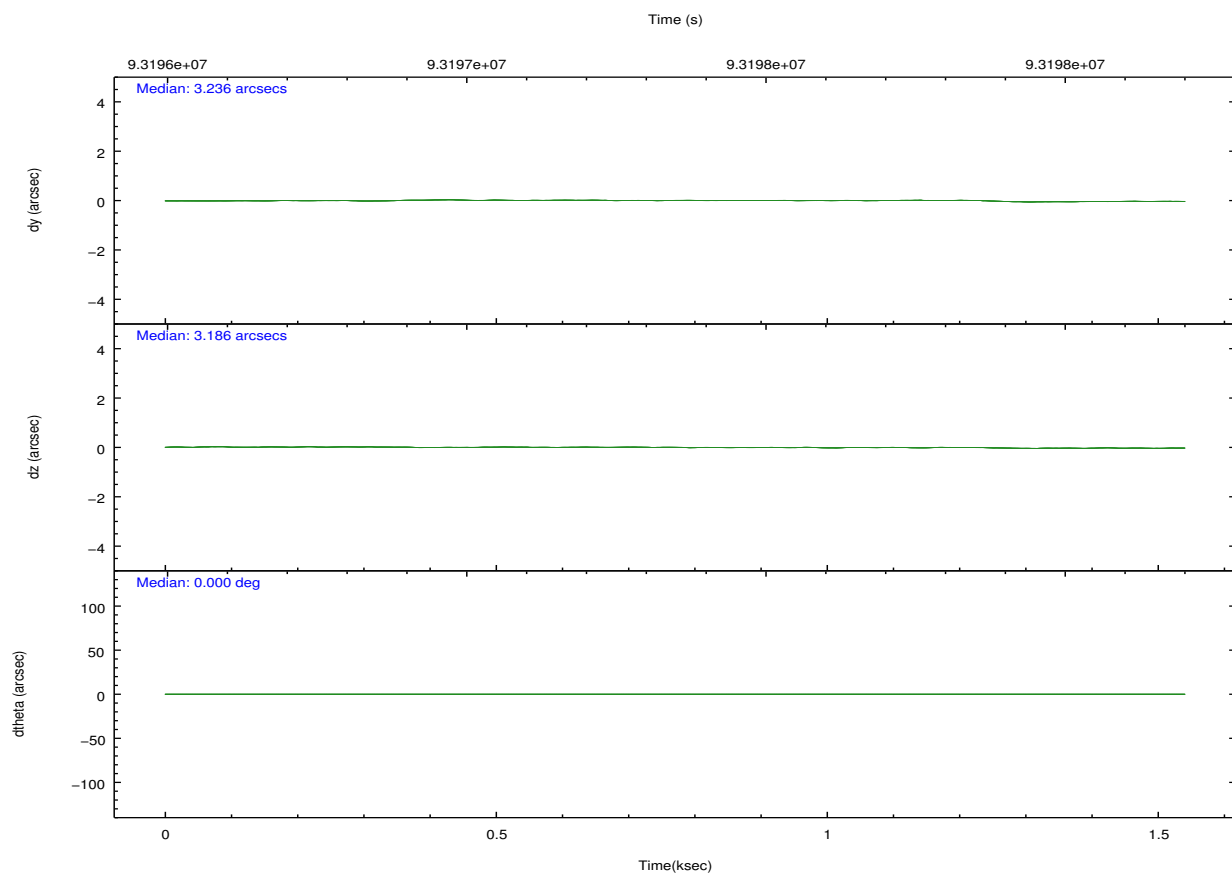
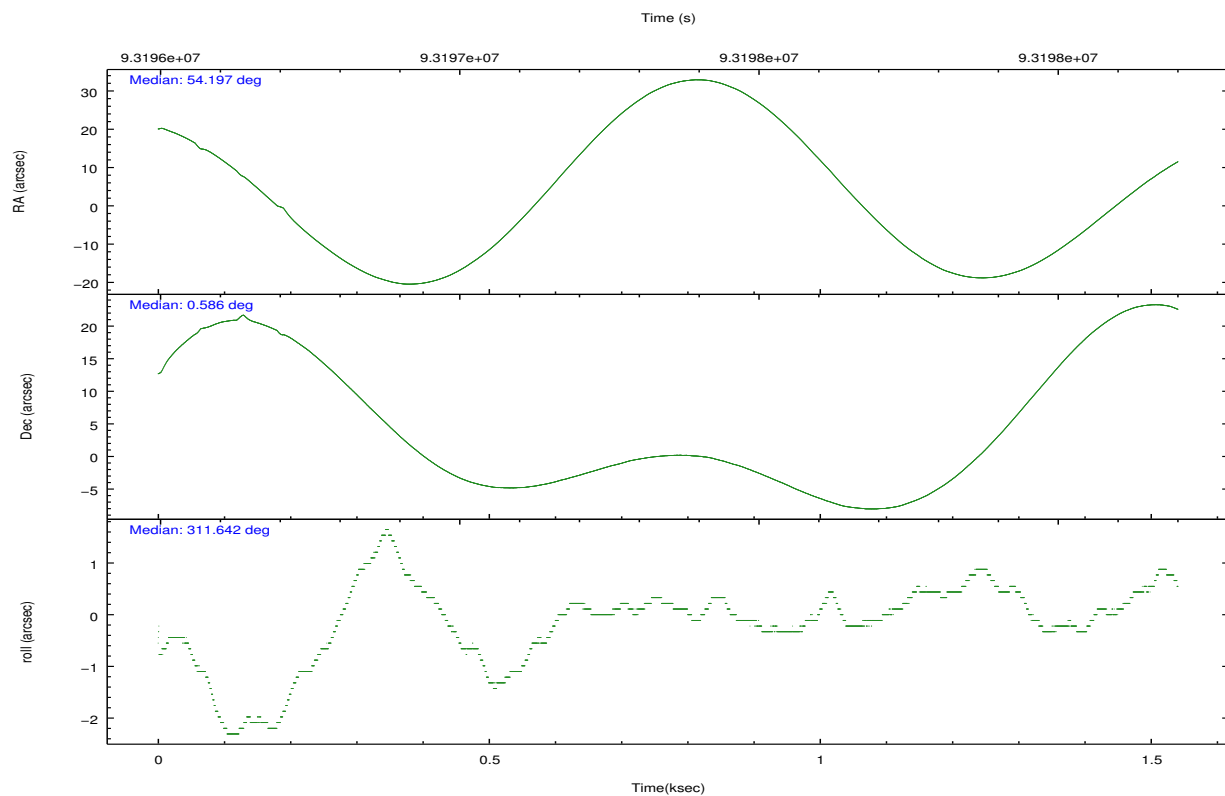
2.2 Compared Parameters

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	54.172519	54.19778774485017
[deg] Pointing Dec	0.593969	0.5867591065190761
[deg] Pointing Roll	311.743903	311.648163527009
[s] Window start time (MET)	89424064.184000	89424064.184000
[s] Window stop time (MET)	94521664.184000	94521664.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9804656746847
[mm] SIM translation stage offset	0	0.005023216916882234
[s] Observation start time (MET)	93196768.184000	93196391.868947
Observation start date	2000-12-14T15:58:24	2000-12-14T15:53:11
[s] Observation end time (MET)	93198118.184000	93198251.731519
Observation end date	2000-12-14T16:20:54	2000-12-14T16:24:11

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

2.3 Aspect



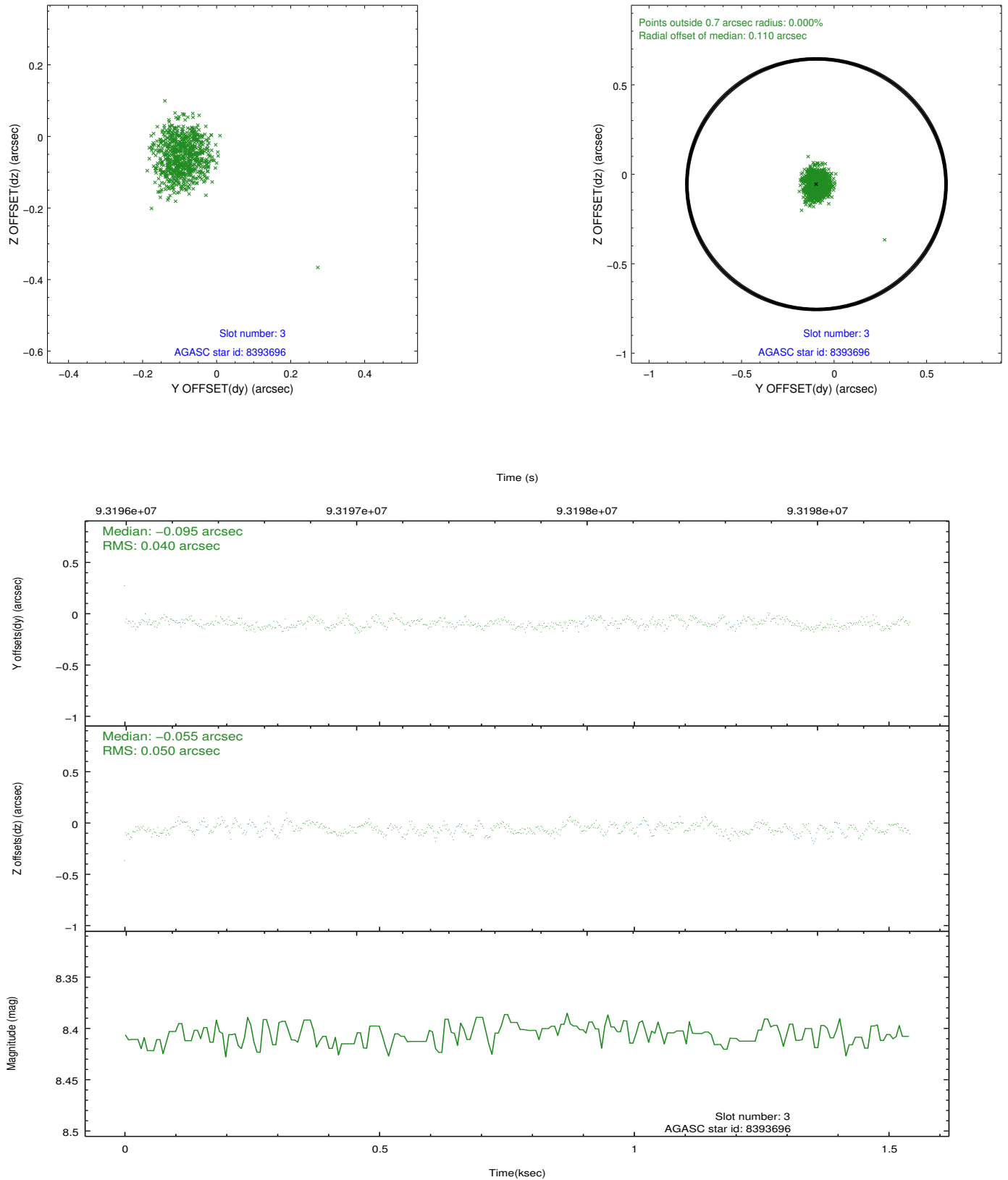


Slot Statistics

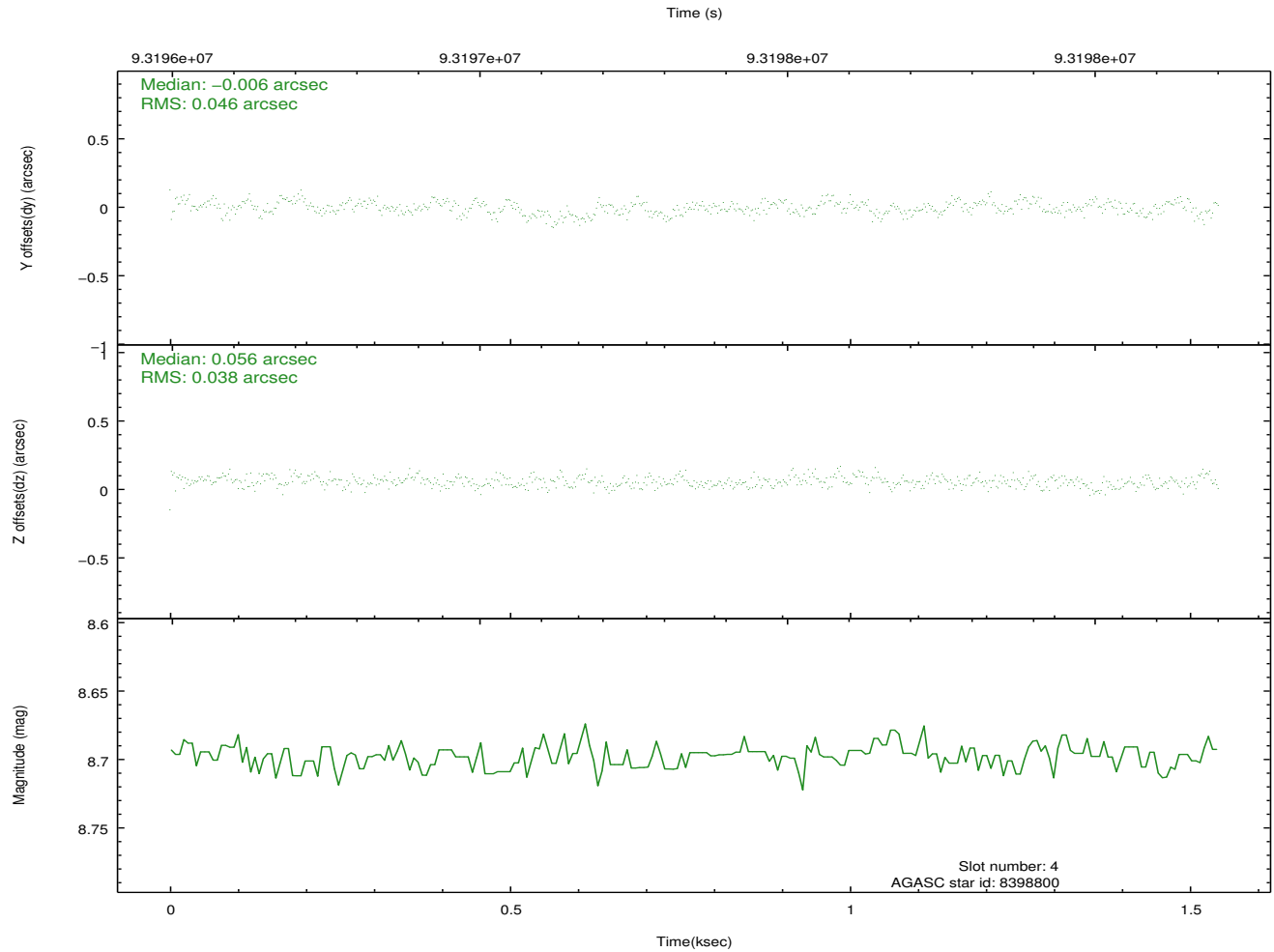
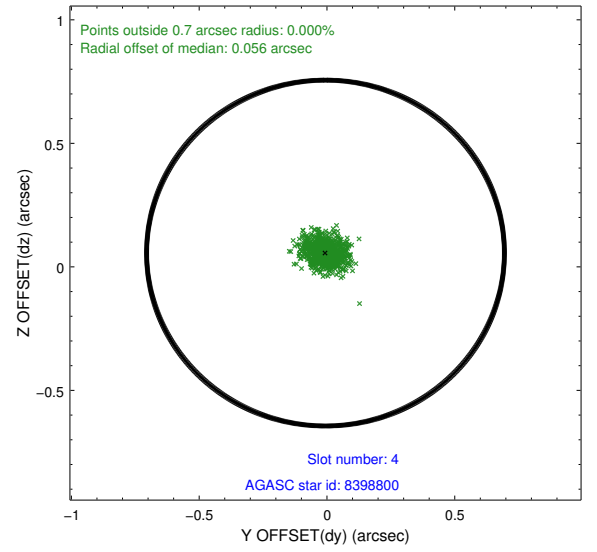
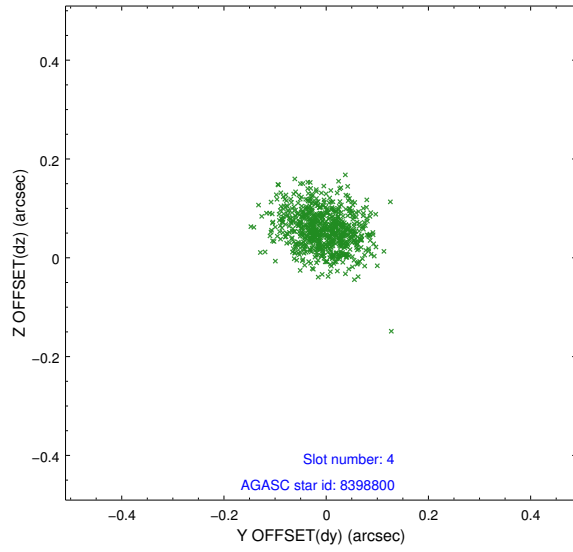
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	BAD	HRC-I-1	6.96	30	-0.291	0.478	0.015	0.041	0.000000	0.000000	-758.80	-1290.53
1	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	FID	HRC-I-4	6.97	372	0.037	-0.030	0.000	0.000	0.000000	0.000000	1281.94	1007.98
3	GUIDE	8393696	8.41	753	-0.095	-0.055	0.068	0.101	53.645666	0.680479	-1489.81	-1207.96
4	GUIDE	8398800	8.70	753	-0.006	0.056	0.064	0.102	54.242352	0.922024	-710.61	972.17
5	GUIDE	8395104	8.67	753	-0.033	0.058	0.090	0.136	54.744893	0.796520	831.82	2024.26
6	GUIDE	8390744	9.02	753	-0.051	0.063	0.066	0.109	53.677290	0.926294	-2073.16	-530.99
7	GUIDE	618141232	8.99	752	0.197	-0.123	0.102	0.169	54.173459	-0.292336	2385.96	-2122.56

2.4 Star Slots

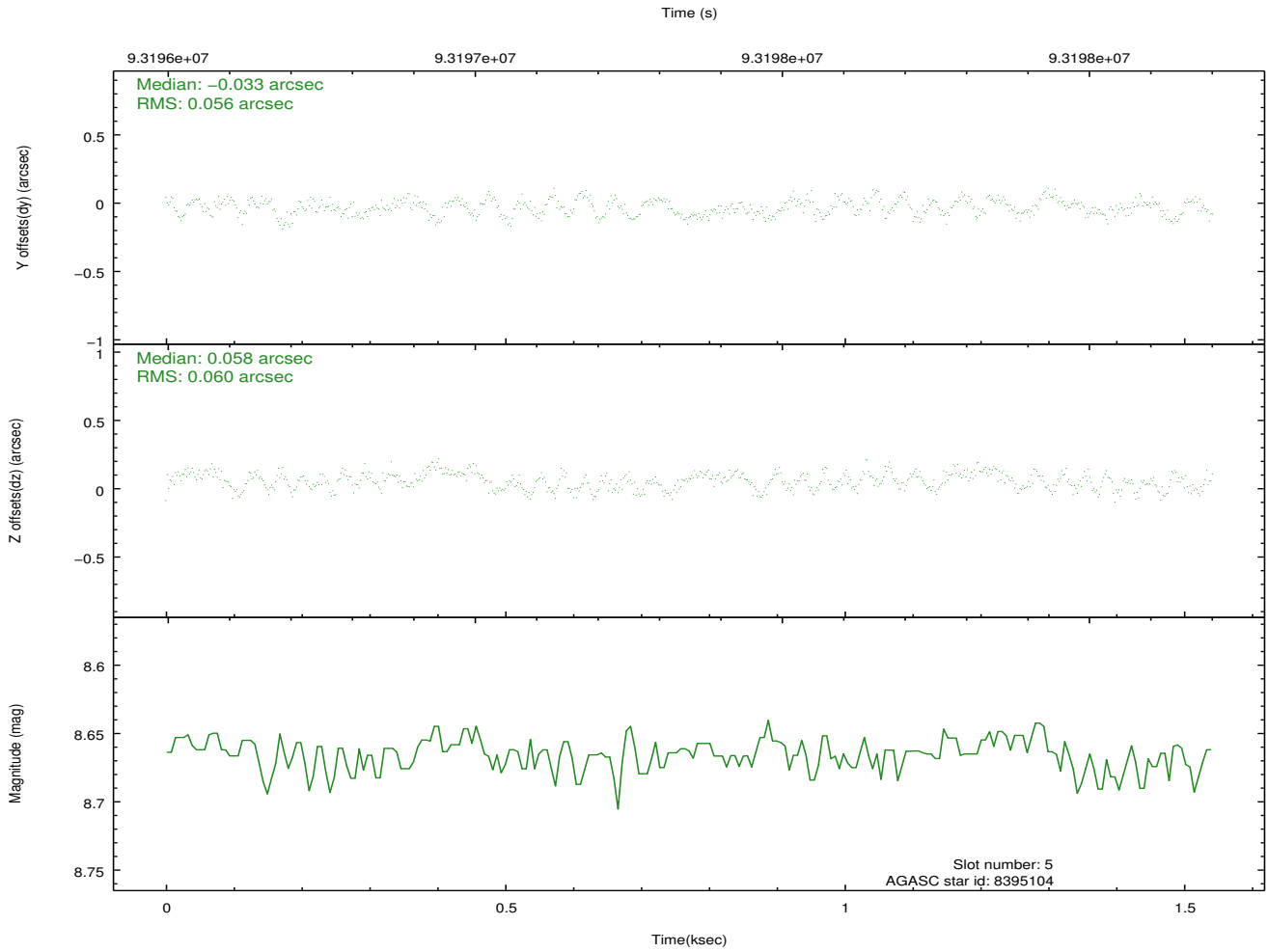
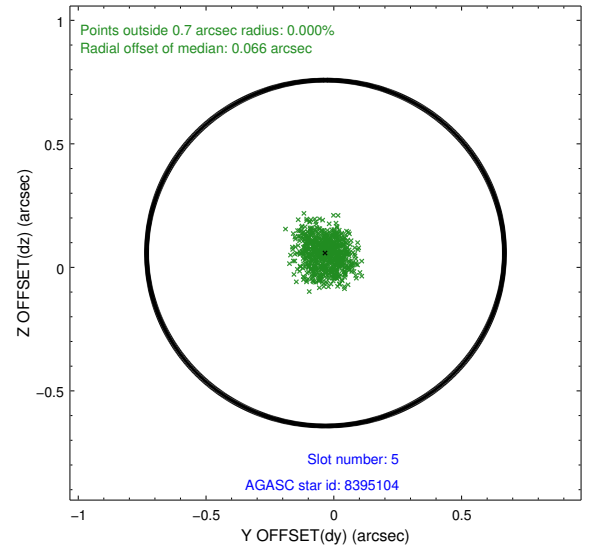
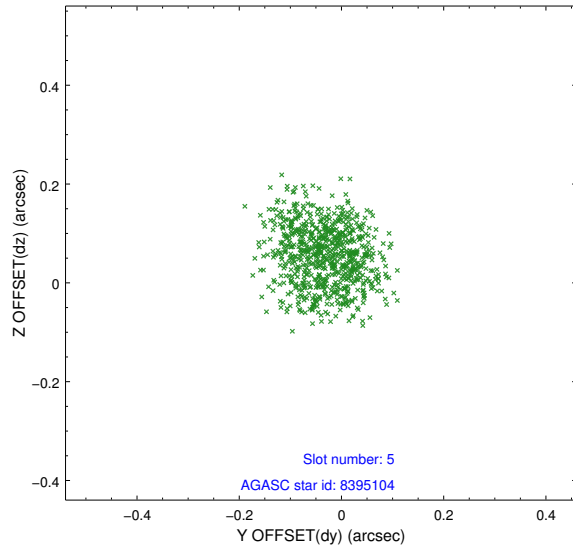
2.4.1 Slot 3



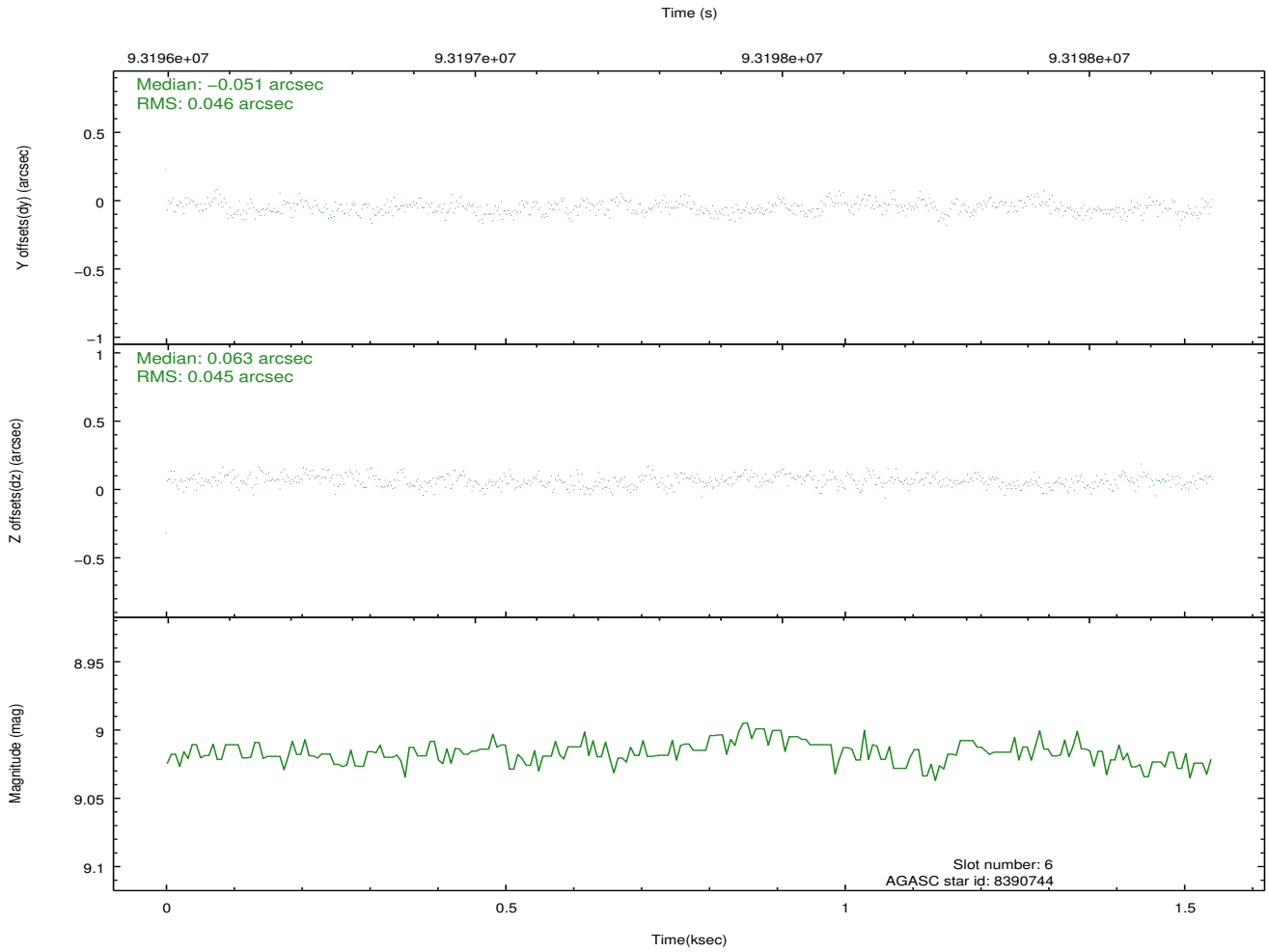
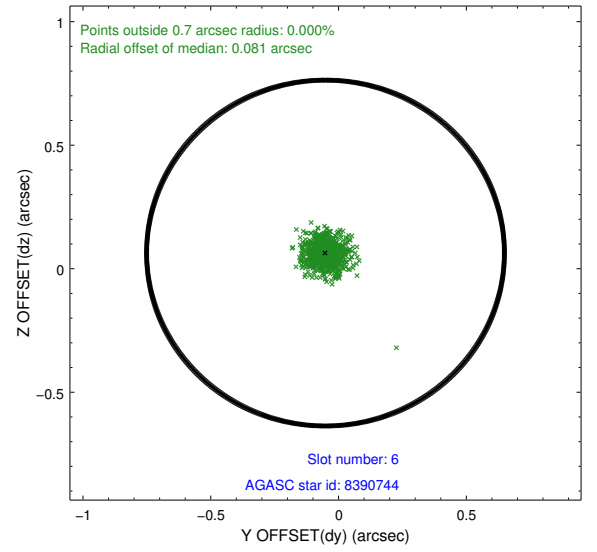
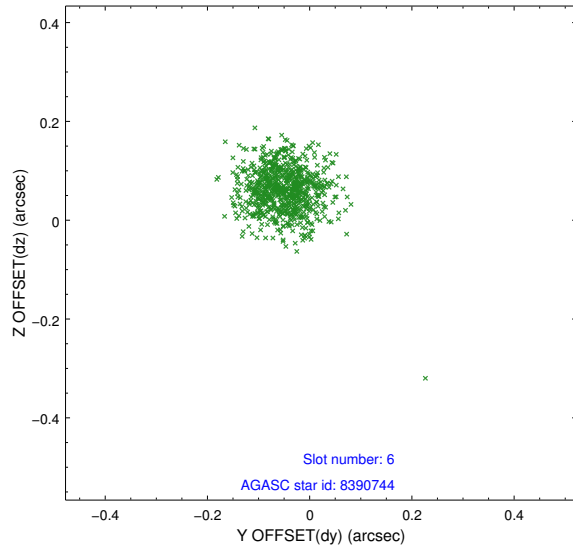
2.4.2 Slot 4



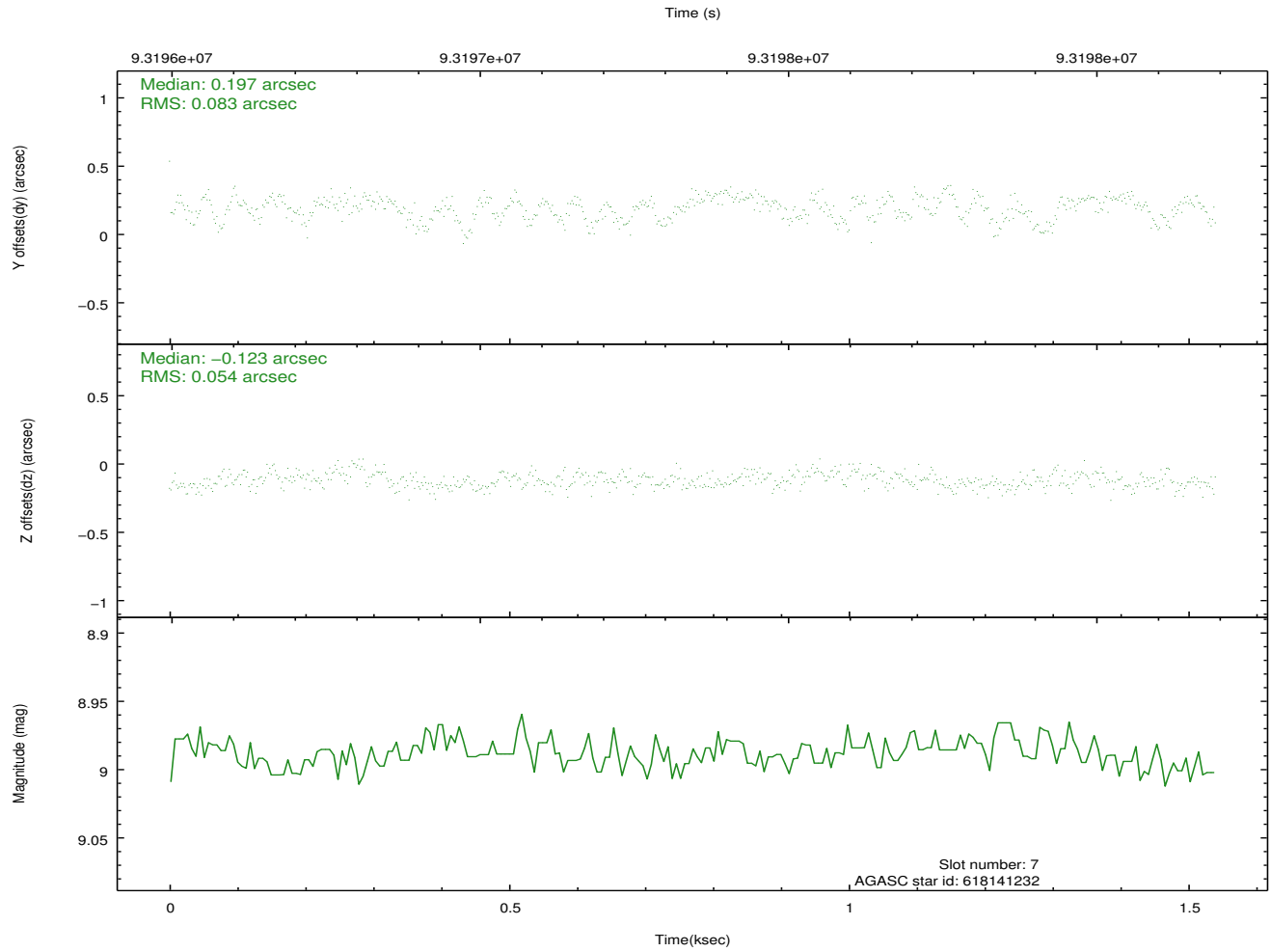
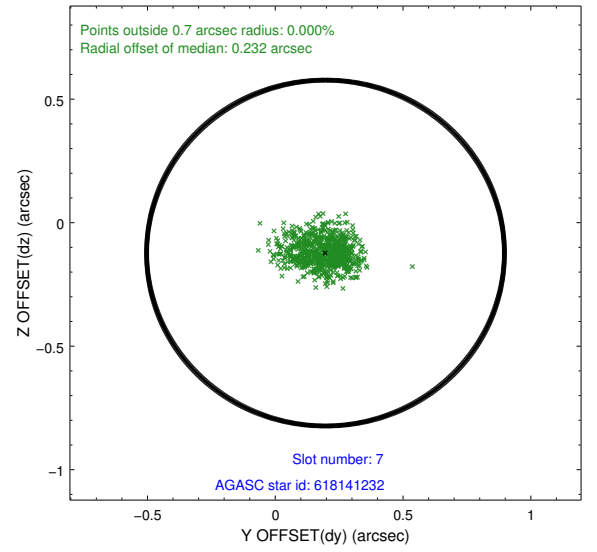
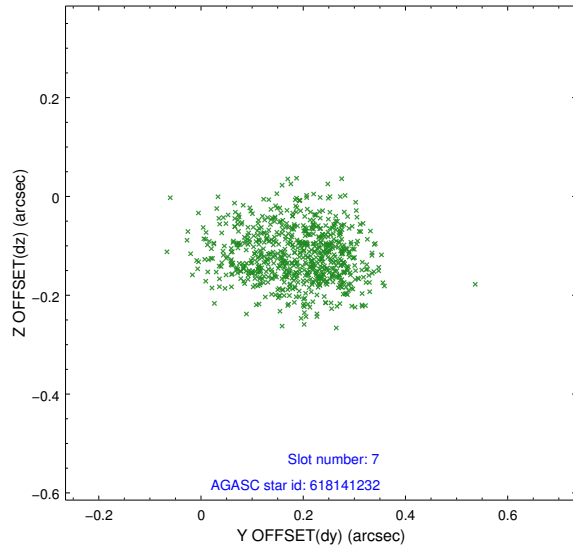
2.4.3 Slot 5



2.4.4 Slot 6

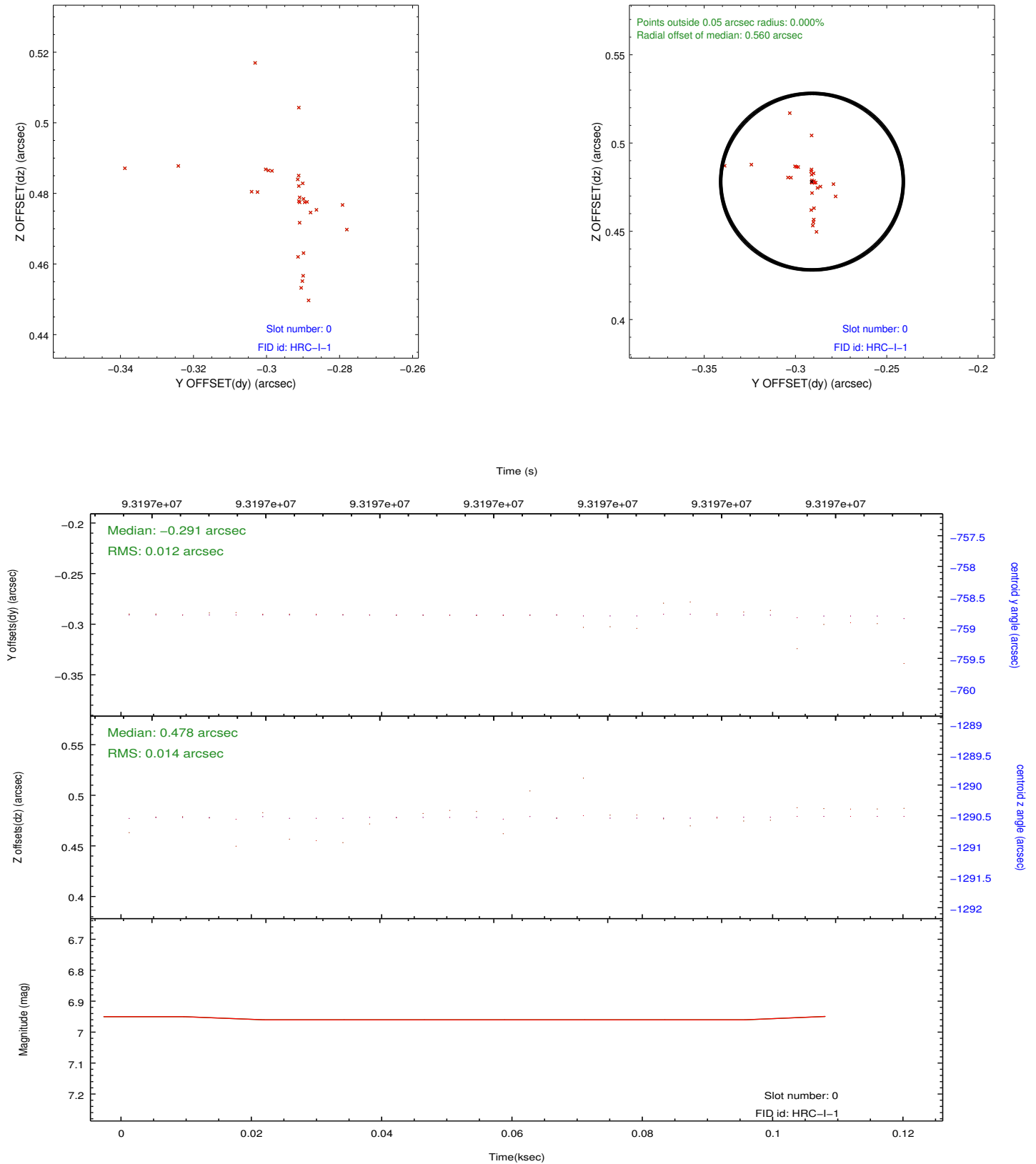


2.4.5 Slot 7

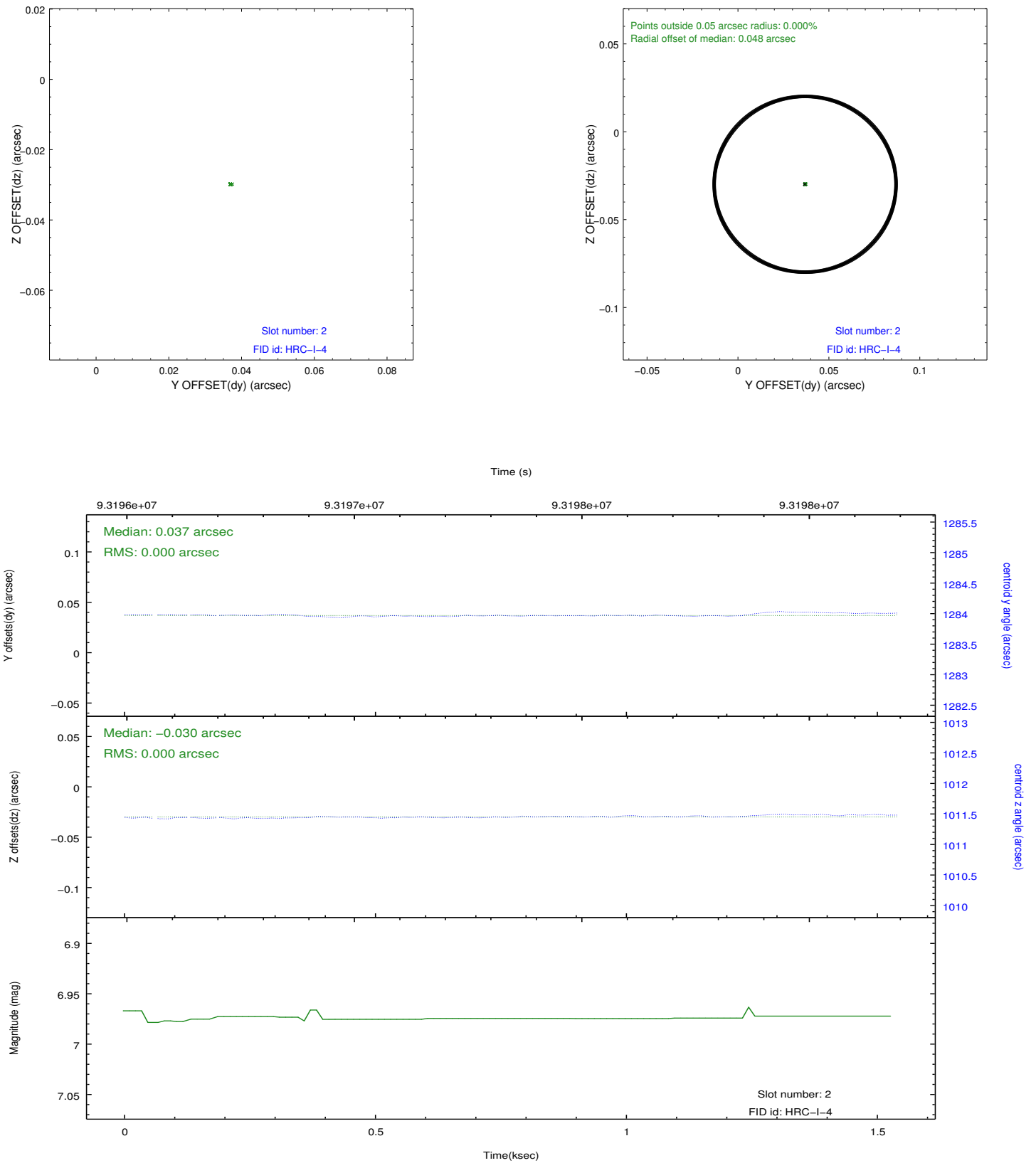


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.535

A.2 Comments

Window constraint met. The fid light in slot 0 was dropped from the aspect solution due to poor data quality: it was only tracked for 7.83% of the observation. The fid light in slot 1 was unused in the aspect solution. There is only one usable fid light in this observation, and it will not be improved by reprocessing.