

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8155 - L2 Version 3
Chandra X-Ray Center

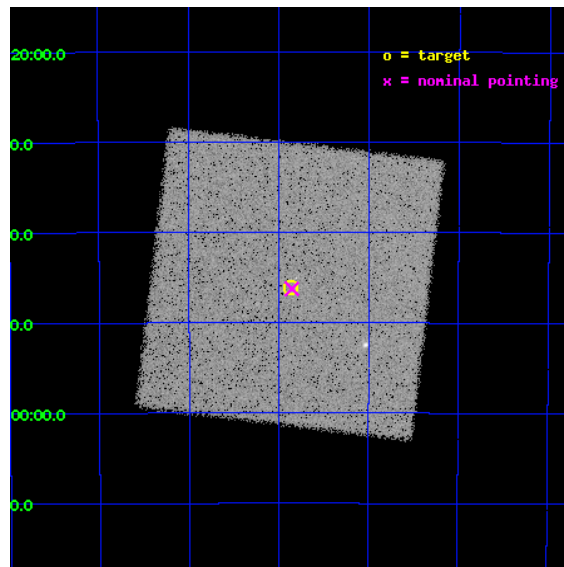
L2 Processing Date : Aug 12 2012

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

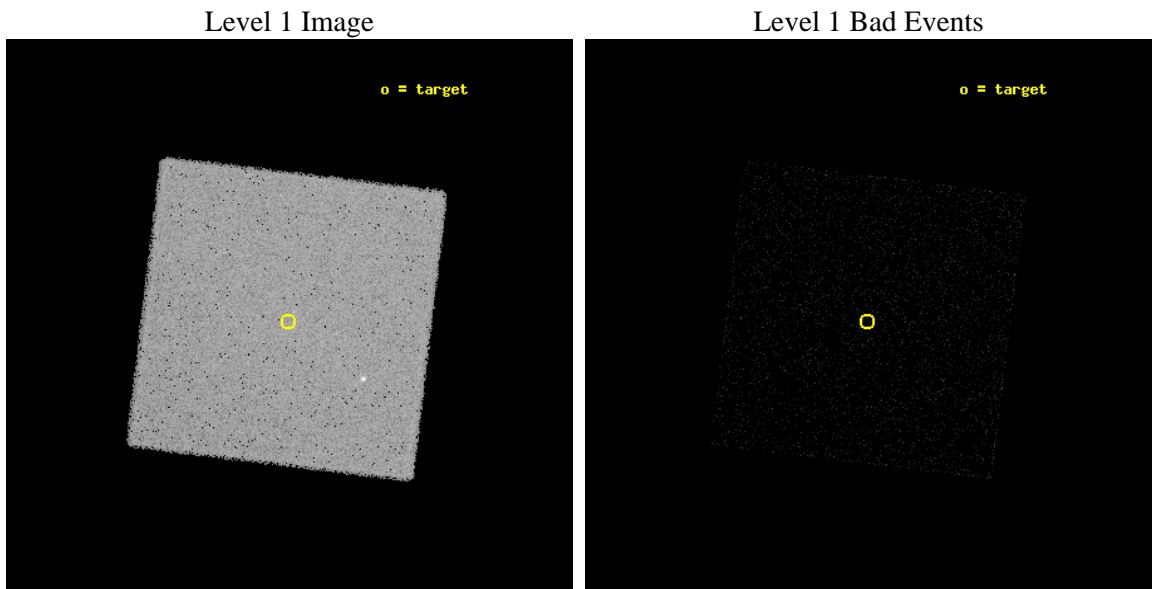
seq_num	900696	Sequence number
obs_id	8155	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J163252-4746	Source name
ra_targ	248.217917	Observer's specified target RA [deg]
dec_targ	-47.769	Observer's specified target Dec [deg]
ra_nom	248.21355456881	Nominal RA [deg]
dec_nom	-47.771004840338	Nominal Dec [deg]
roll_nom	231.90111097009	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2666.2813786864	[s]
livetime	2635.2059211116	Ontime multiplied by DTCOR
l2events	159862	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	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2666.2813786864	[s]
caldsver	4.5.1.1	 	l1events	352103	Number of level 1 events
date	2012-08-12T05:36:26	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

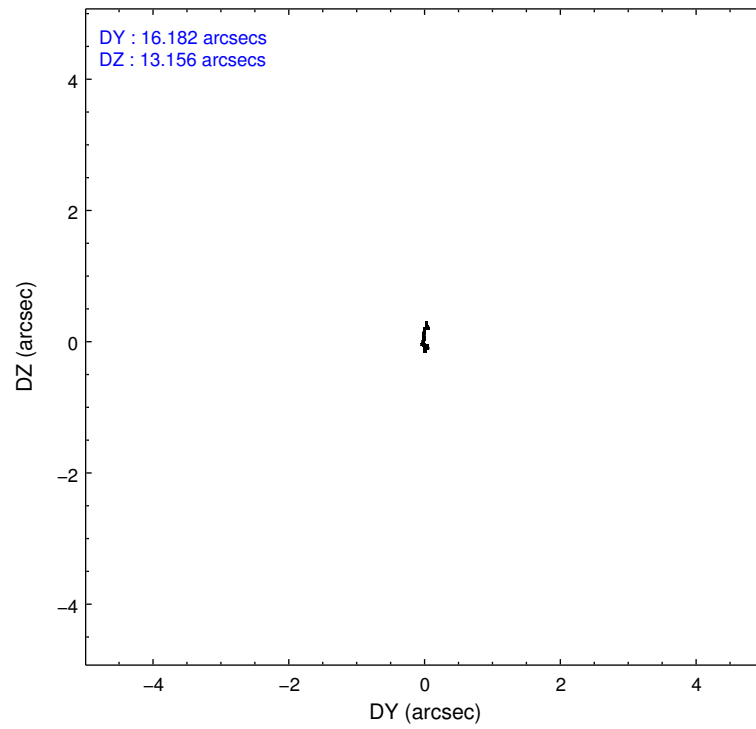
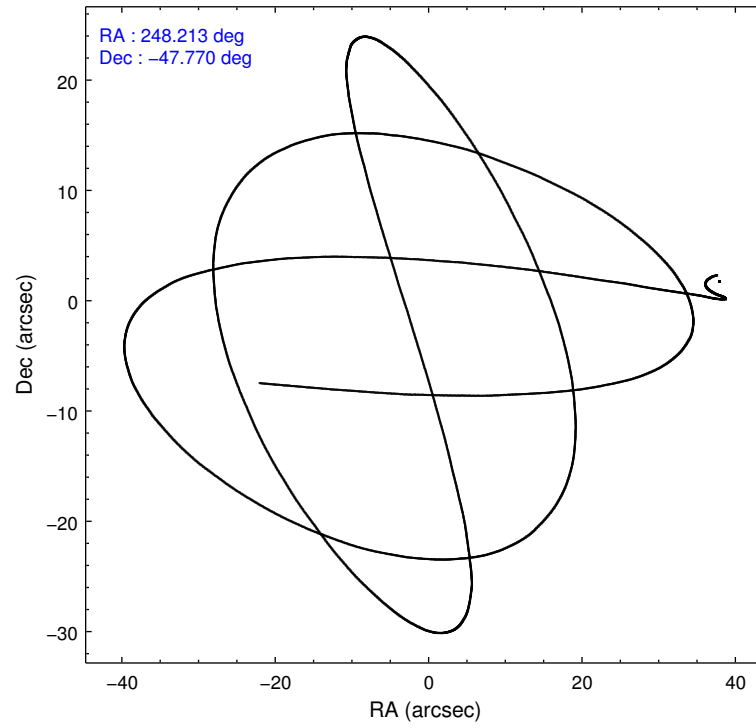
	segment 0
level 1 events	352103
rejected events	117468
rejected %	33%

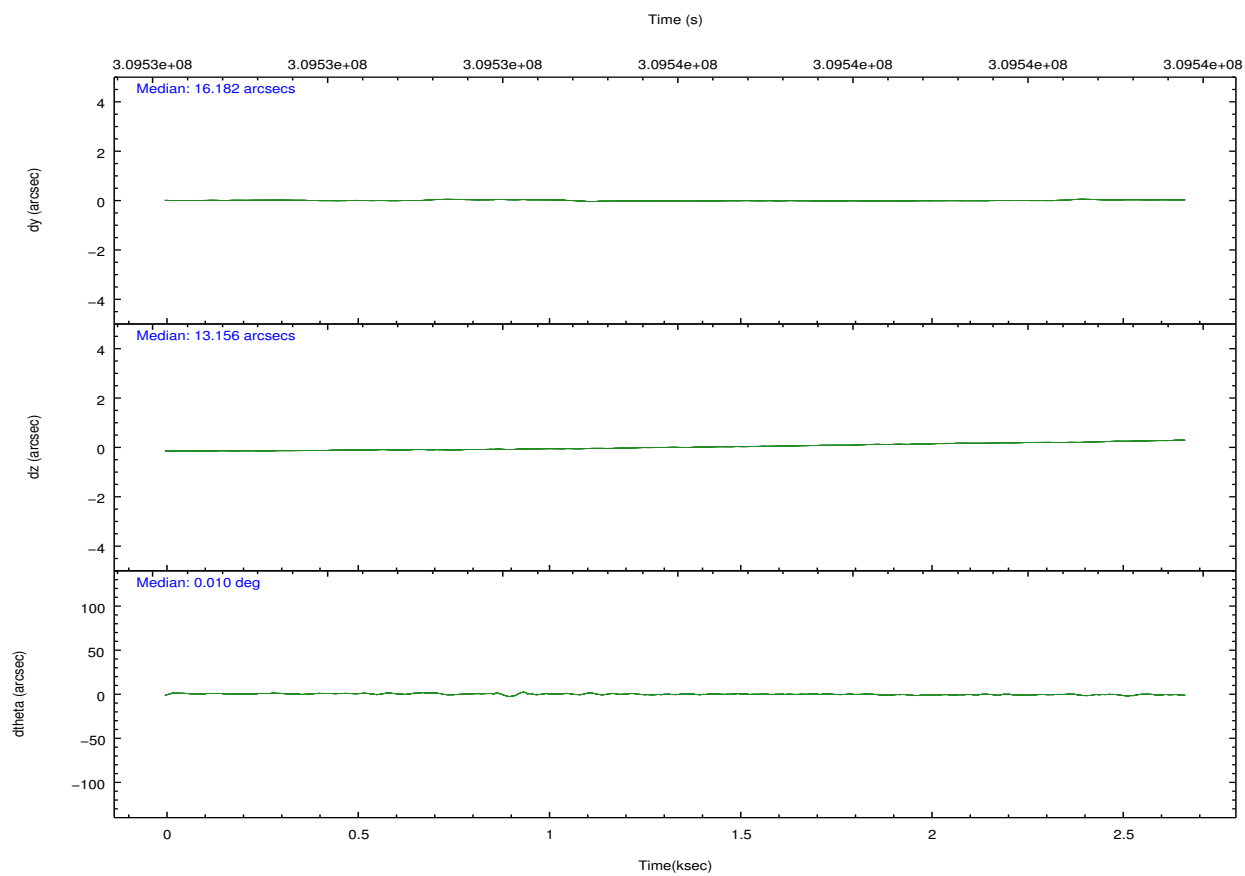
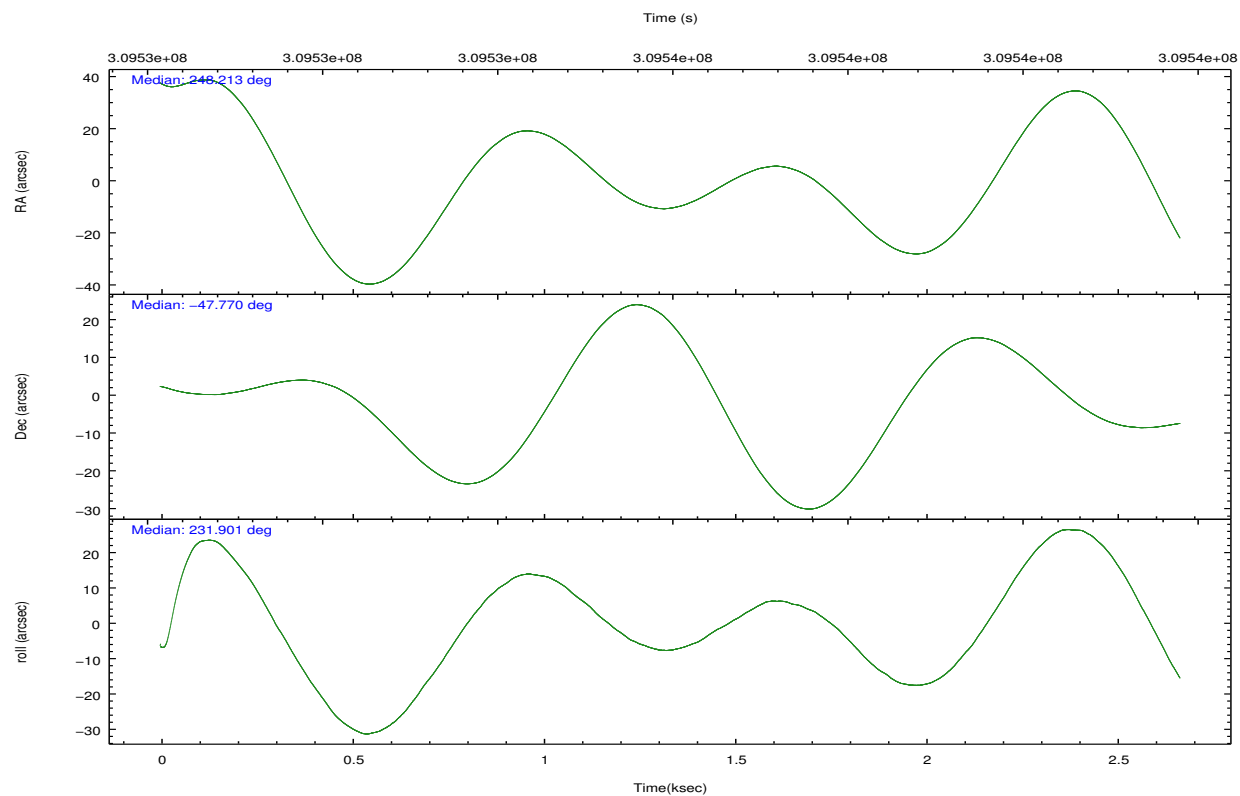
2.2 Compared Parameters

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	248.217255	248.2135545688144
[deg] Pointing Dec	-47.744127	-47.77100484033848
[deg] Pointing Roll	231.999509	231.9011109700893
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	309533825.184000	309532550.78798
Observation start date	2007-10-23T13:36:00	2007-10-23T13:15:50
[s] Observation end time (MET)	309536325.184000	309536588.26318
Observation end date	2007-10-23T14:17:40	2007-10-23T14:23:08

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

2.3 Aspect



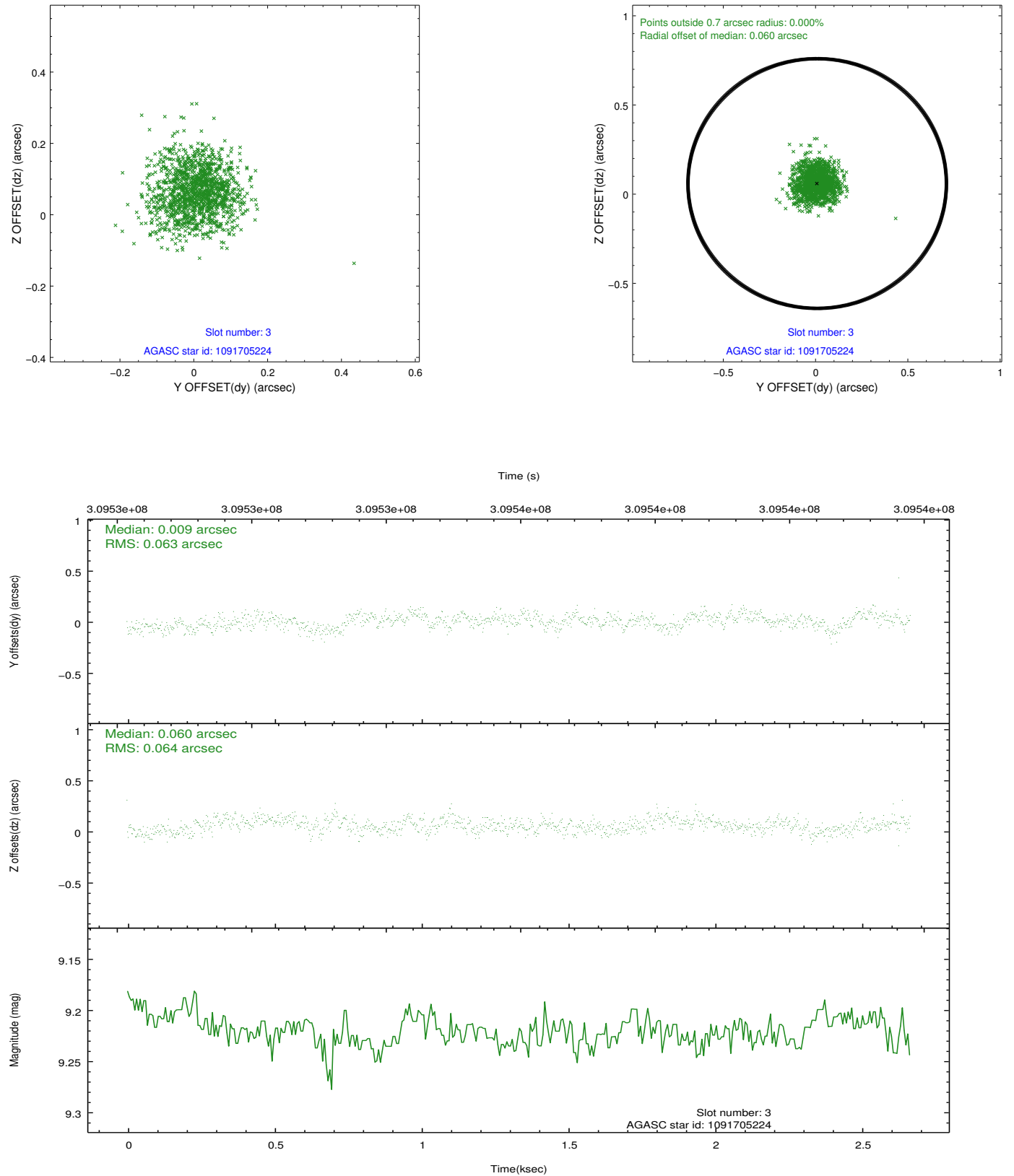


Slot Statistics

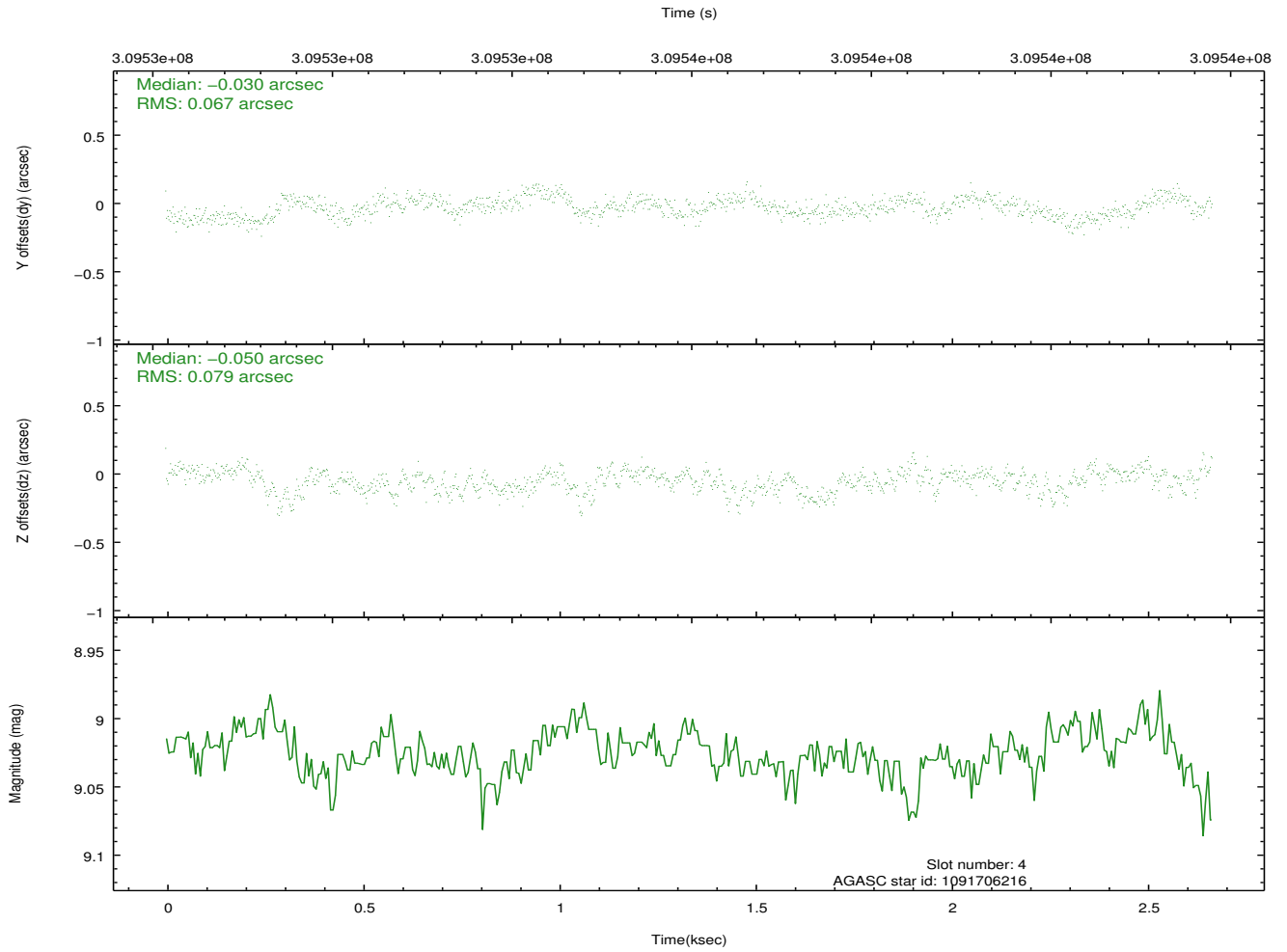
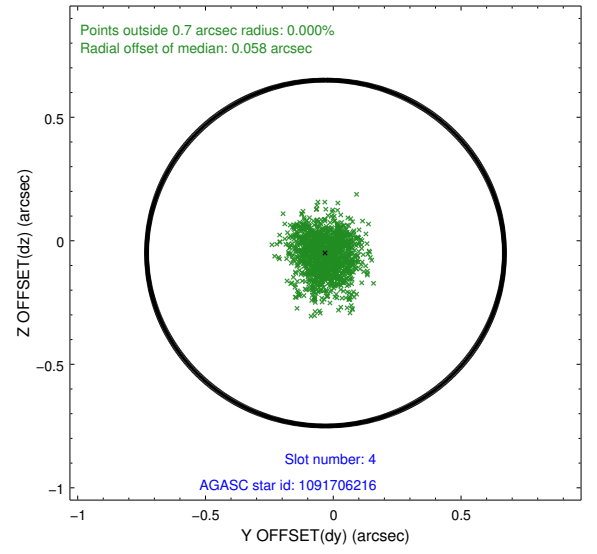
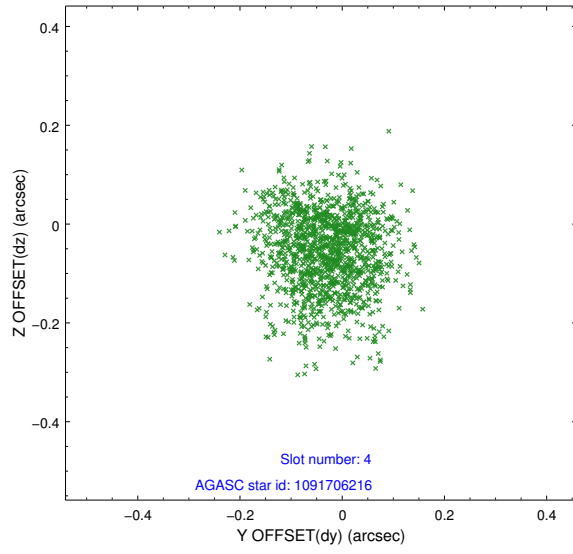
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	651	-0.058	0.032	0.007	0.013	0.000000	0.000000	-772.11	-1301.16
1	FID	HRC-I-2	7.01	651	0.204	-0.120	0.007	0.013	0.000000	0.000000	839.60	-1304.92
2	FID	HRC-I-3	7.06	651	-0.028	-0.002	0.007	0.013	0.000000	0.000000	-1199.23	1001.37
3	GUIDE	1091705224	9.22	1302	0.009	0.060	0.095	0.151	248.613211	-47.940846	-25.73	1188.35
4	GUIDE	1091706216	9.03	1300	-0.030	-0.050	0.109	0.183	248.520013	-47.617493	-808.44	298.32
5	GUIDE	1091709768	7.72	1302	-0.201	0.033	0.065	0.103	249.435228	-47.706899	-1902.56	2255.52
6	GUIDE	1091726152	7.18	1302	0.016	-0.103	0.072	0.114	248.525265	-48.461492	1584.12	2170.31
7	GUIDE	1091727064	9.17	1301	0.203	0.067	0.095	0.149	248.318217	-48.437445	1821.99	1726.90

2.4 Star Slots

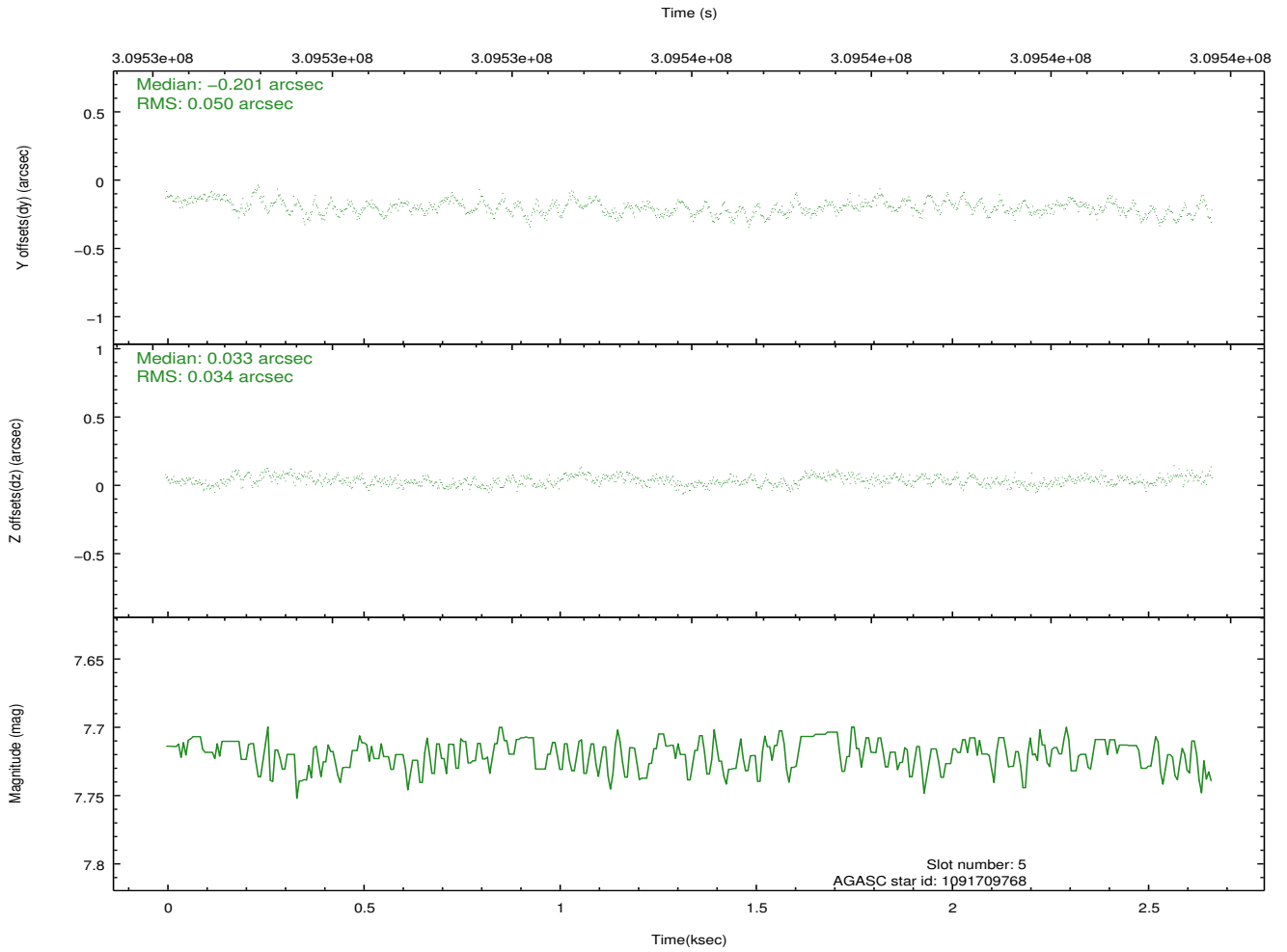
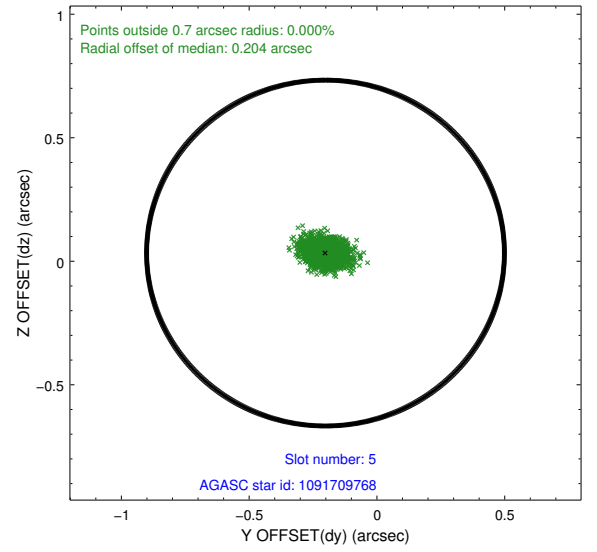
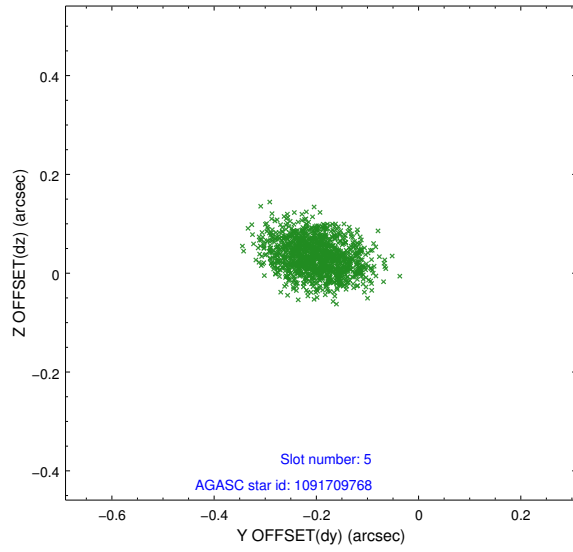
2.4.1 Slot 3



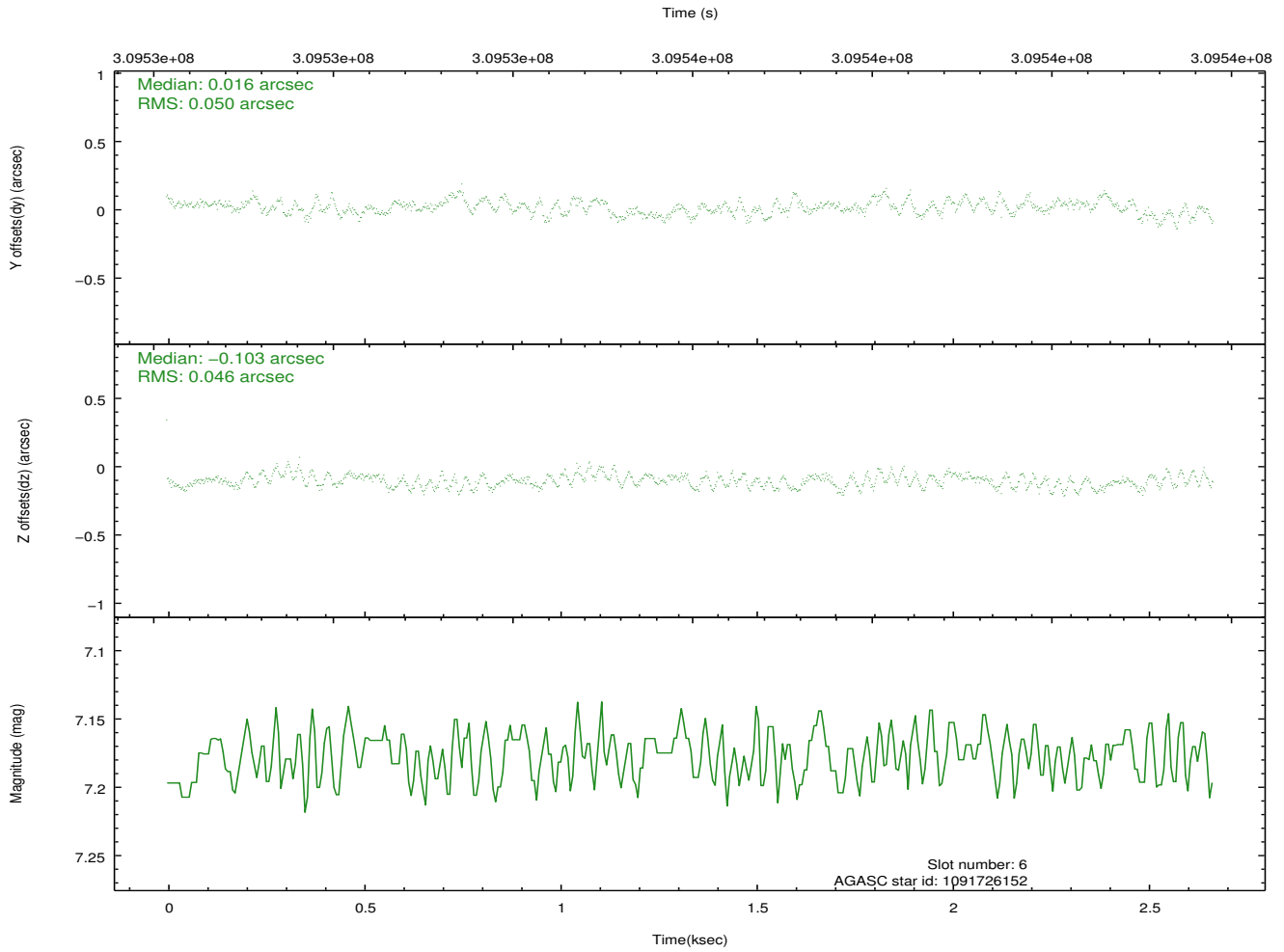
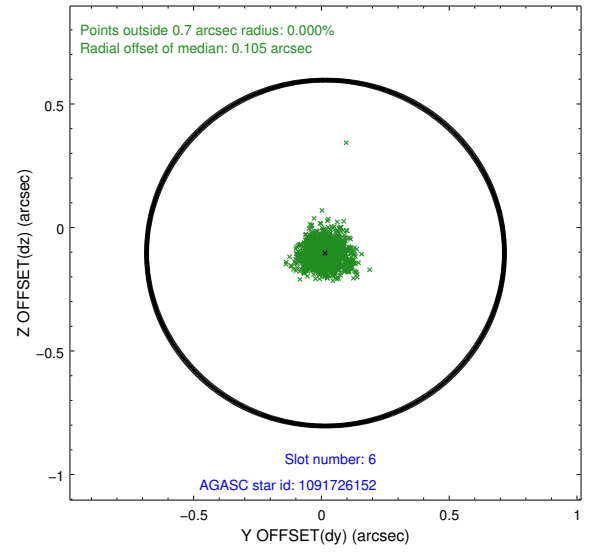
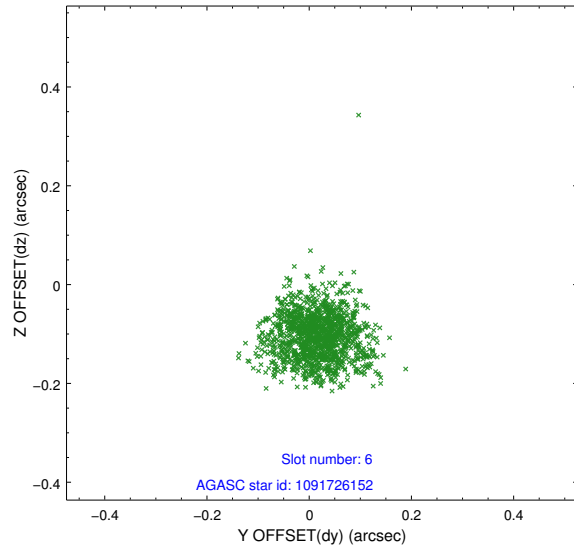
2.4.2 Slot 4



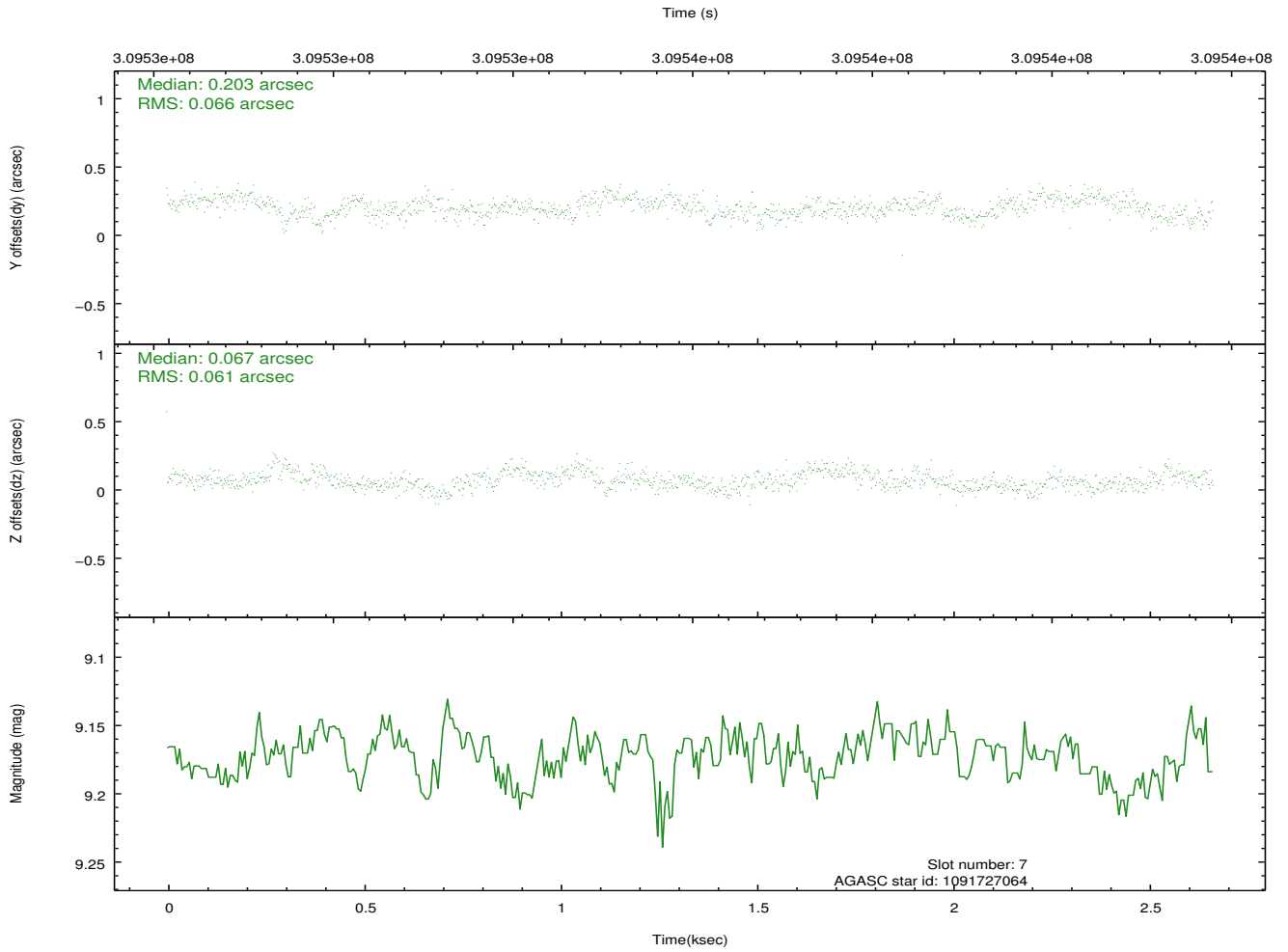
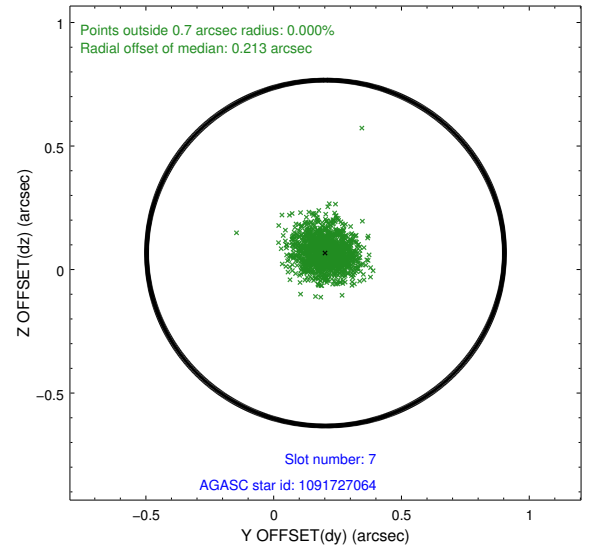
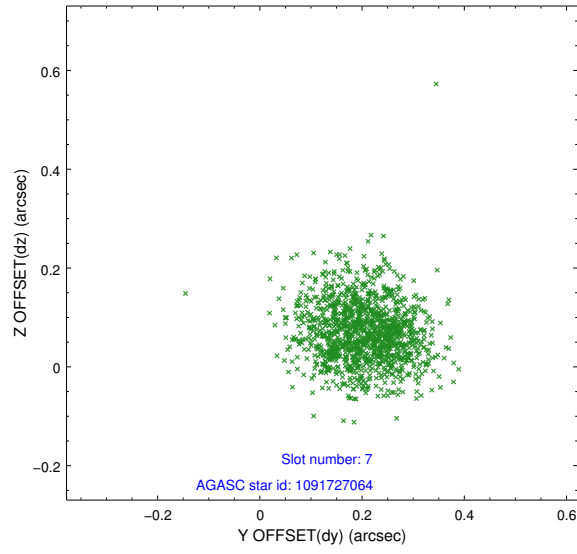
2.4.3 Slot 5



2.4.4 Slot 6

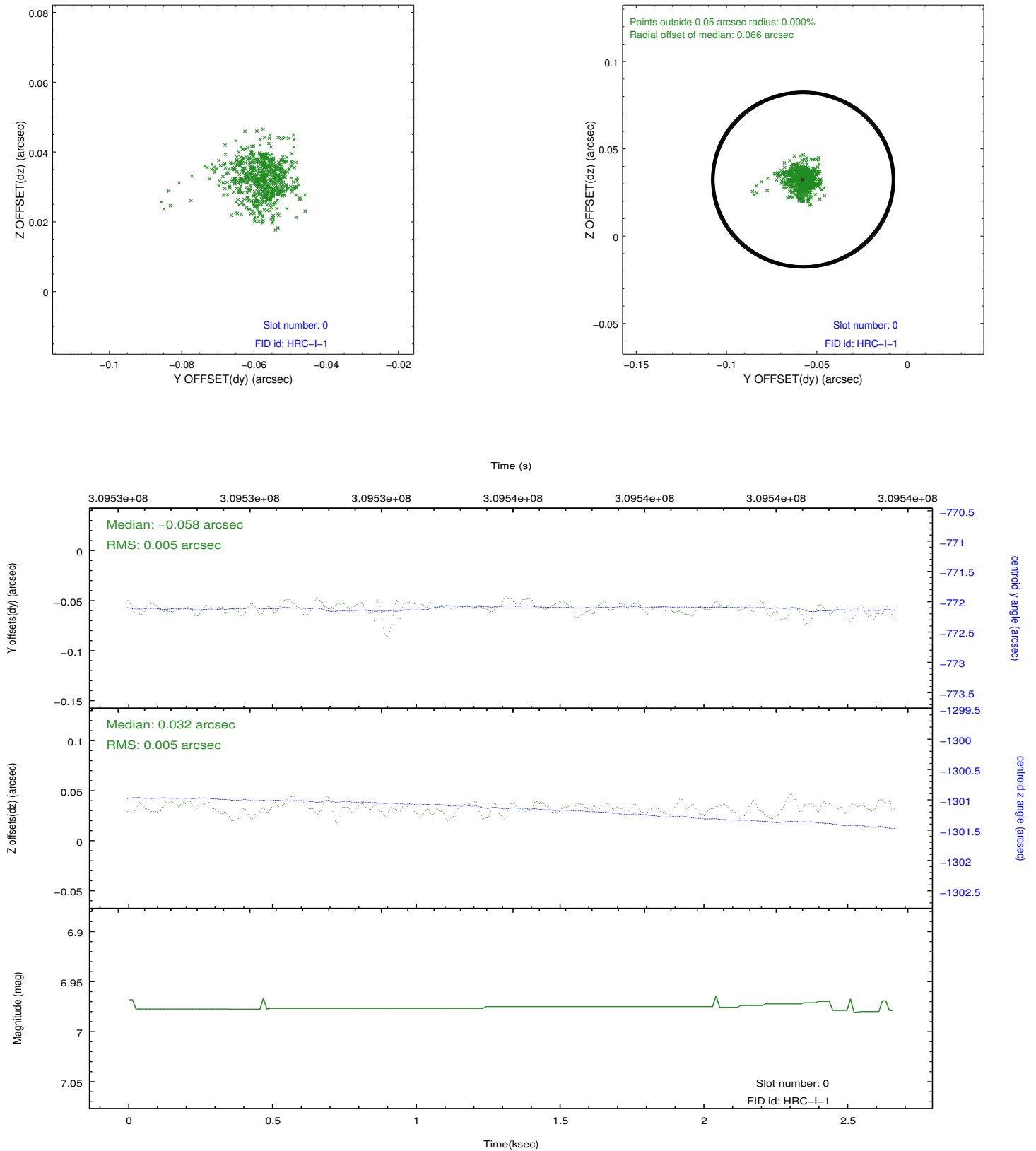


2.4.5 Slot 7

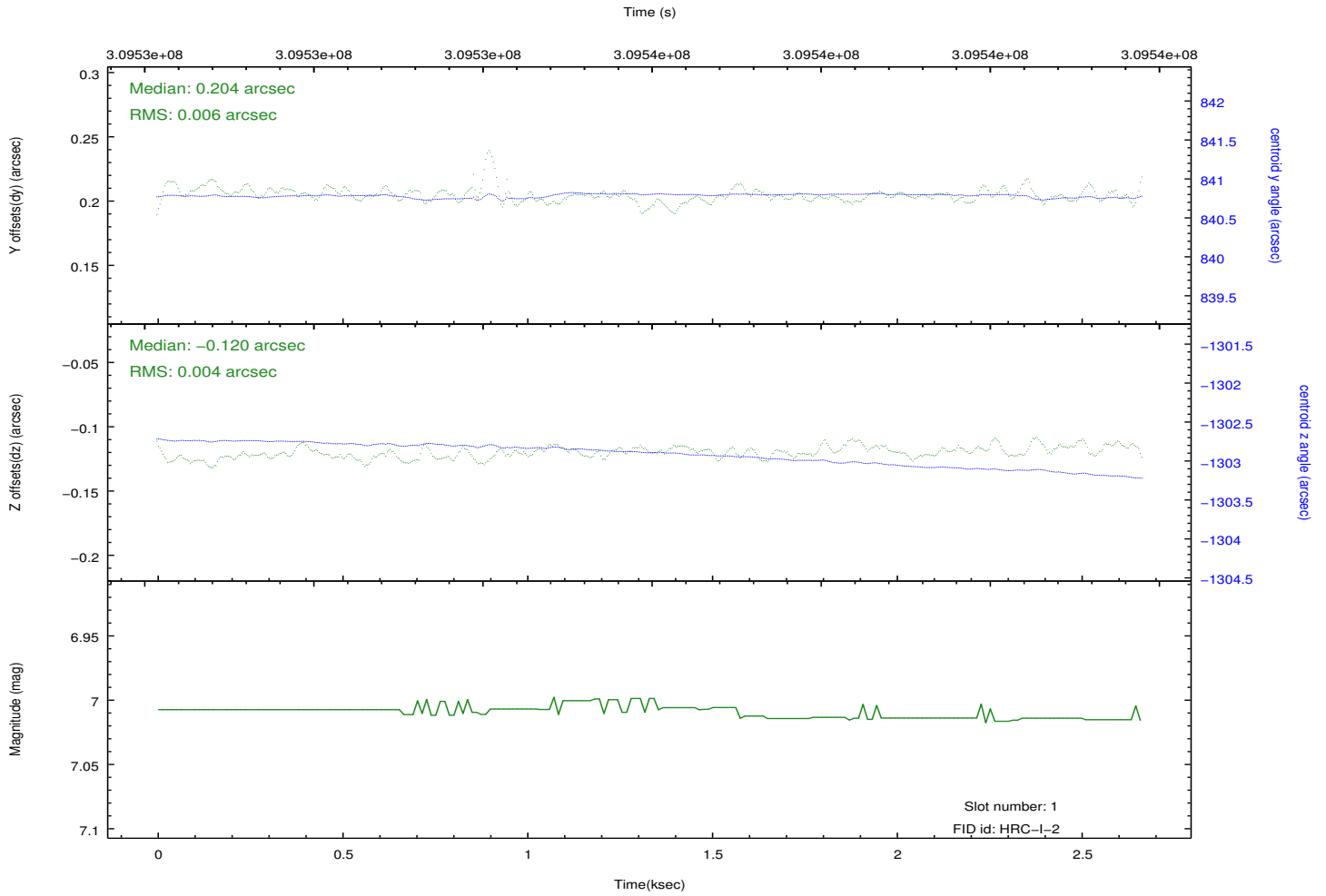
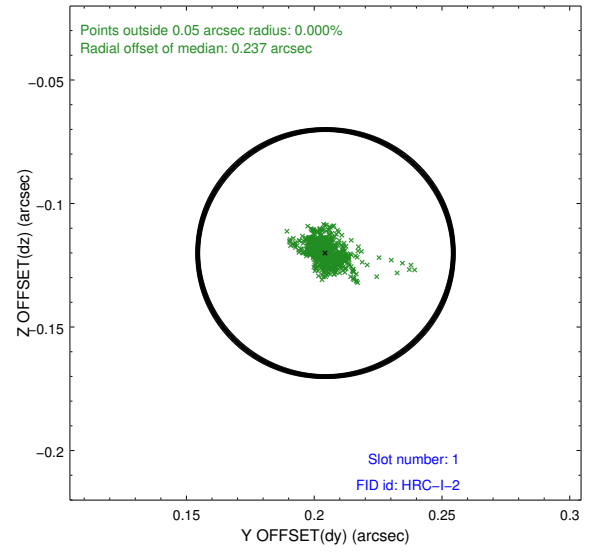
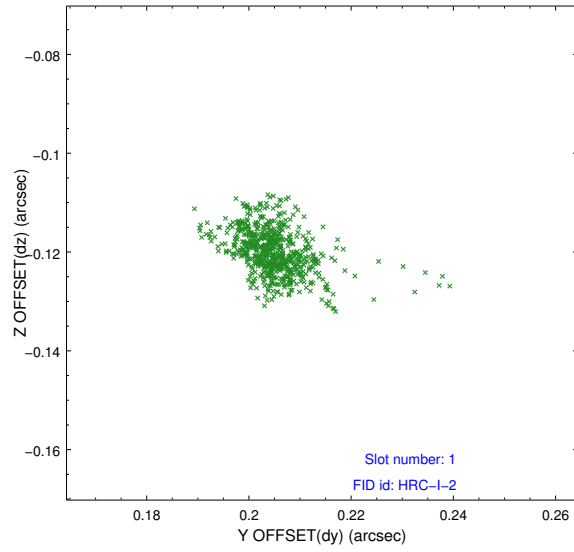


2.5 FID Slots

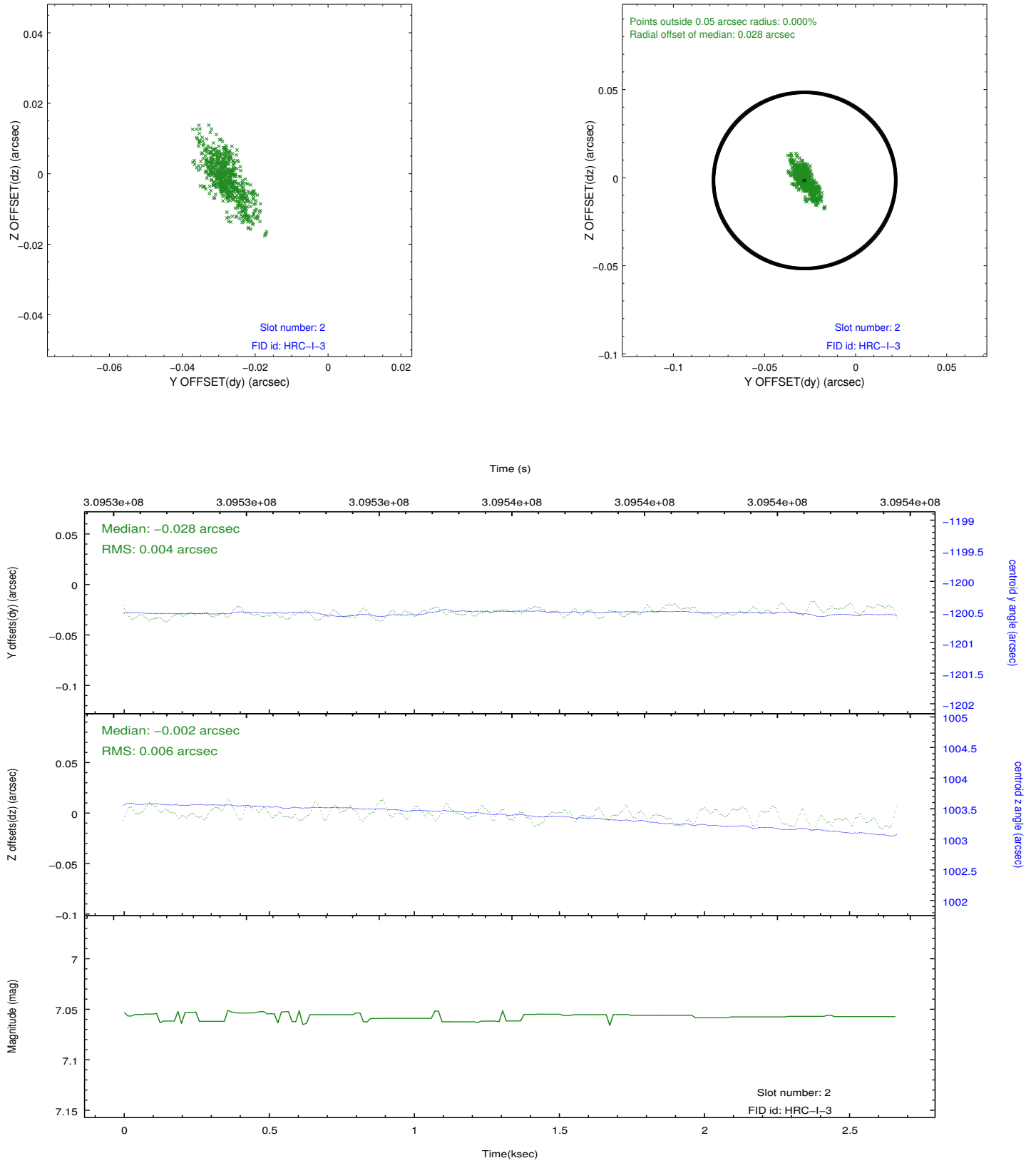
2.5.1 Slot 0



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)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.66602512

A.2 Comments

Spike in count rate from about 90 counts per second to about 200 counts per second around 1.4 ksec into the observation, with associated drop in DTF. This spike is apparently due to a high radiation environment.