

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1816 - L2 Version 4
Chandra X-Ray Center

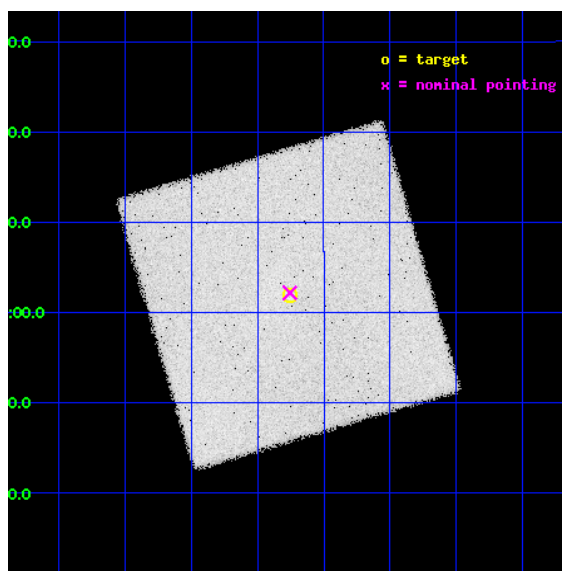
L2 Processing Date : Sep 20 2012

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

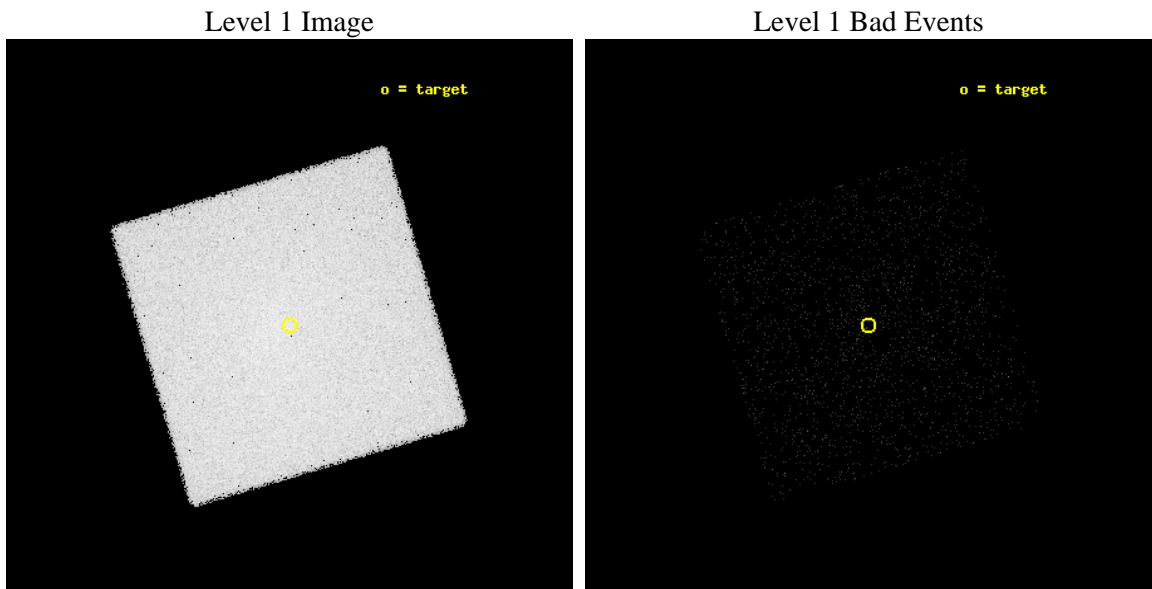
seq_num	100009	Sequence number
obs_id	1816	Observation id
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2	Proposal title
observer	DR W. THOMAS VESTRAND	Principal investigator
object	LINEAR 2001 A2	Source name
ra_targ	348.689587	Observer's specified target RA [deg]
dec_targ	8.031885	Observer's specified target Dec [deg]
ra_nom	348.68891568991	Nominal RA [deg]
dec_nom	8.0363804958592	Nominal Dec [deg]
roll_nom	118.57196794606	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2348.5313418657	[s]
livetime	1311.4148150811	Ontime multiplied by DTCOR
l2events	275744	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	2150.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2348.5313418657	[s]
caldbver	4.5.1.1	 	l1events	384097	Number of level 1 events
date	2012-09-20T12:59:39	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

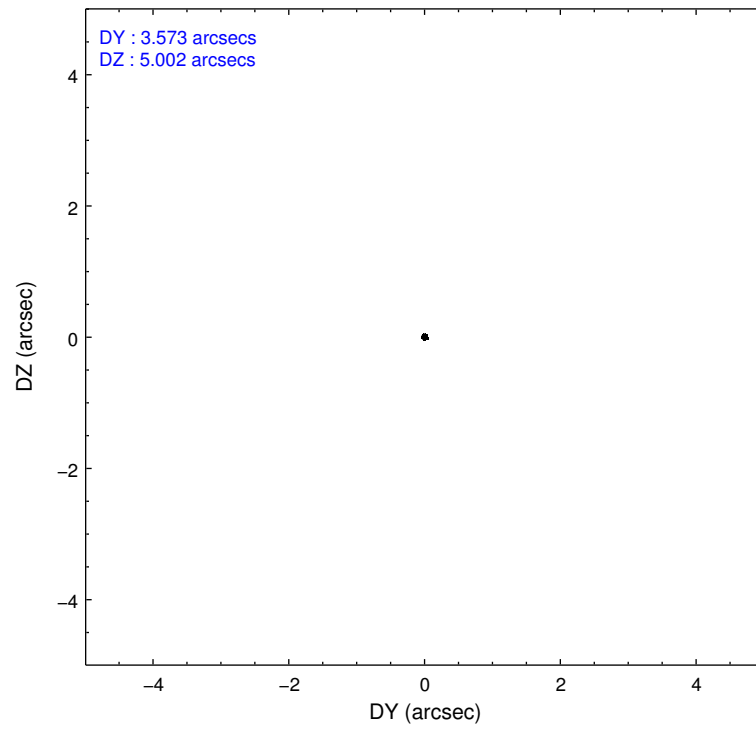
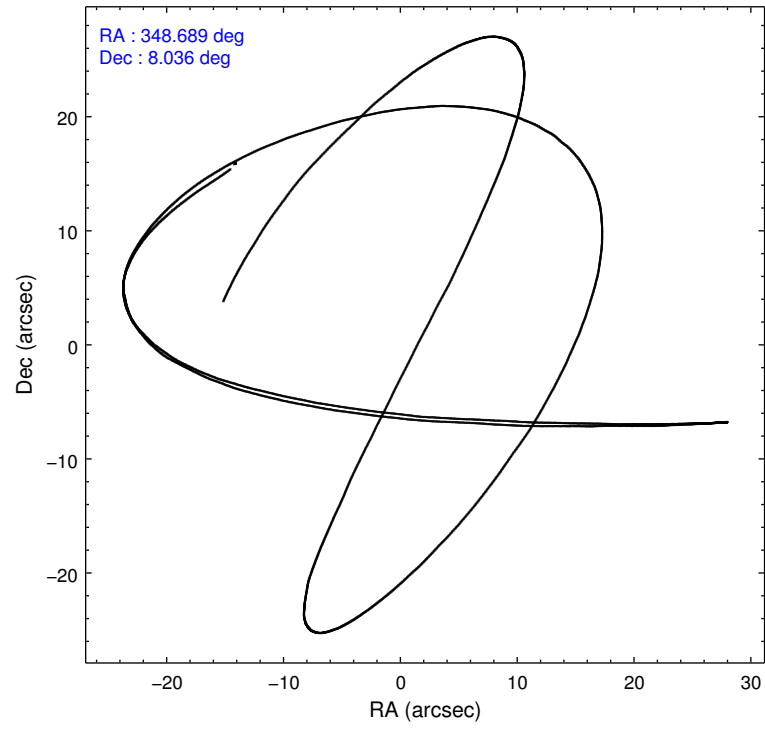
	segment 0
level 1 events	384097
rejected events	25757
rejected %	6%

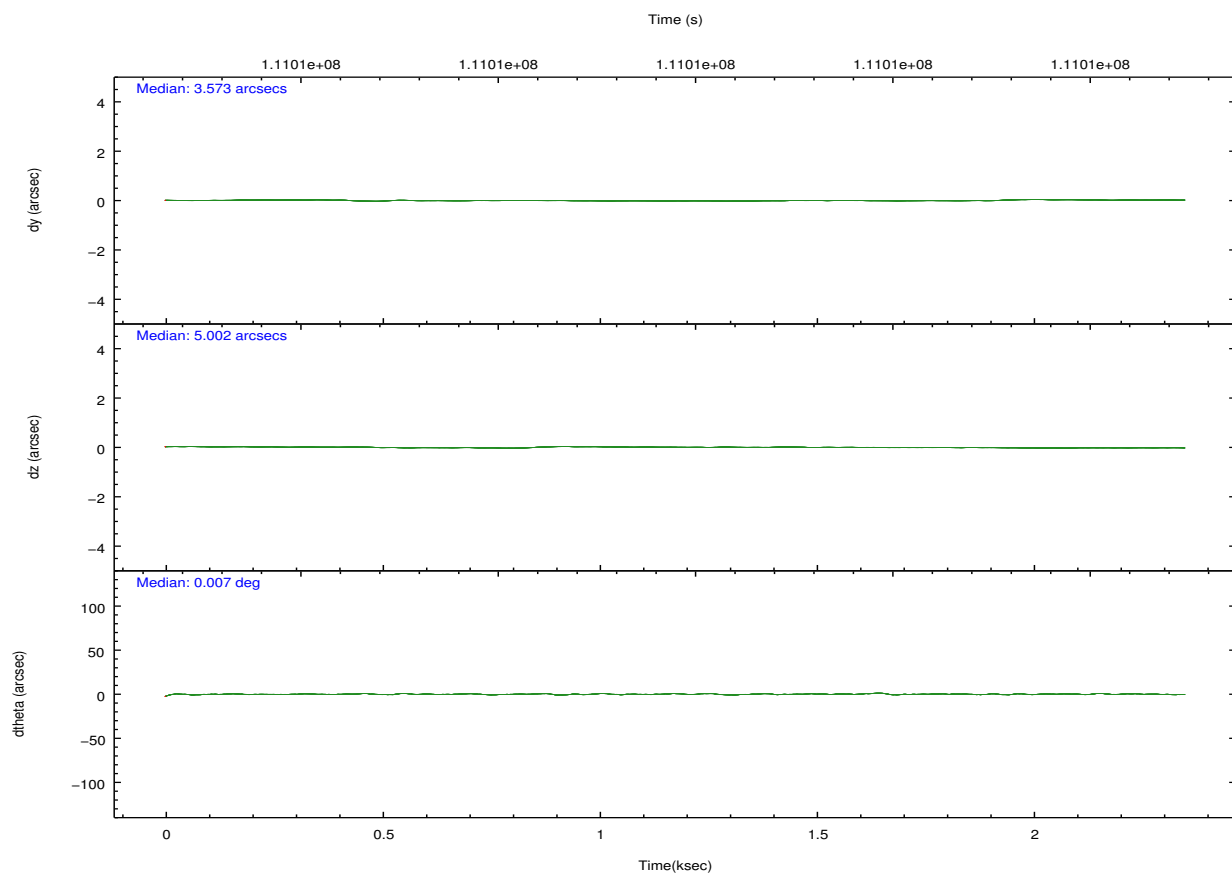
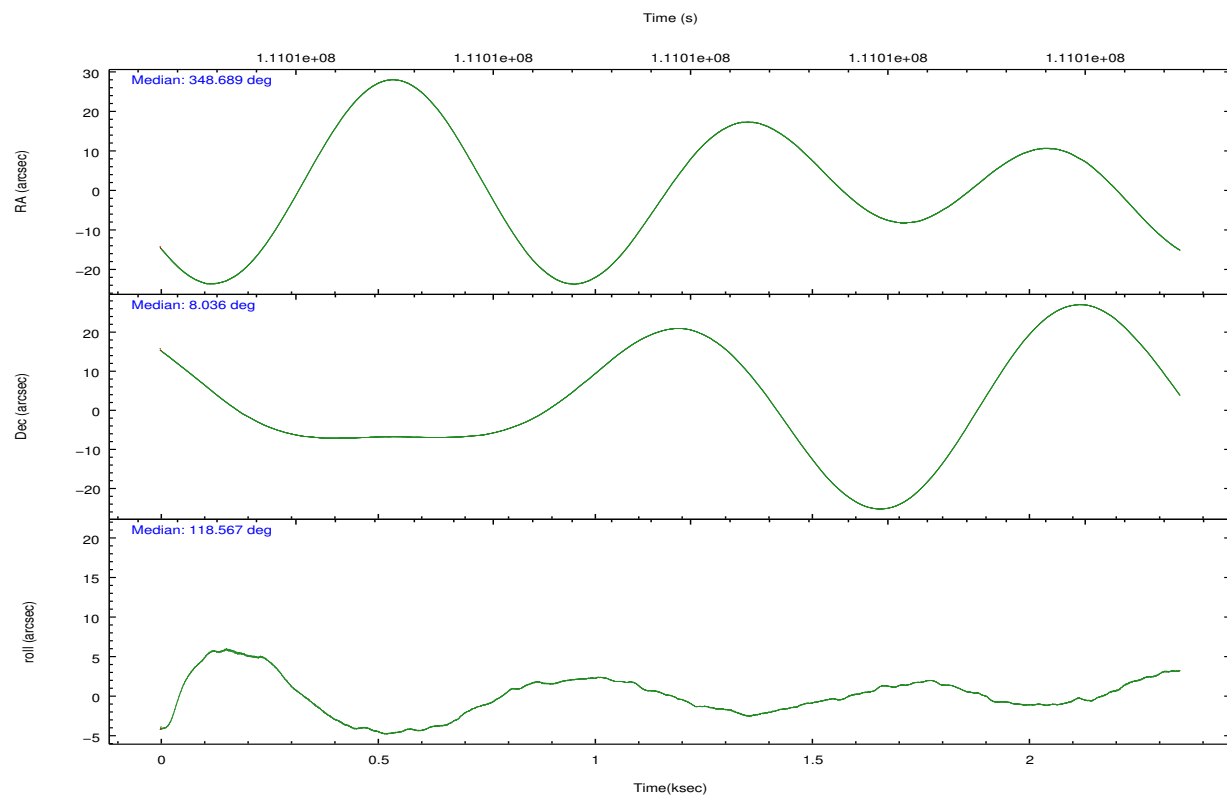
2.2 Compared Parameters

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	348.712831	348.6889156899126
[deg] Pointing Dec	8.022441	8.036380495859218
[deg] Pointing Roll	118.664107	118.5719679460558
[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)	111011972.184000	111011596.7332
Observation start date	2001-07-08T20:38:28	2001-07-08T20:33:16
[s] Observation end time (MET)	111014122.184000	111014256.60831
Observation end date	2001-07-08T21:14:18	2001-07-08T21:17:36

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

2.3 Aspect



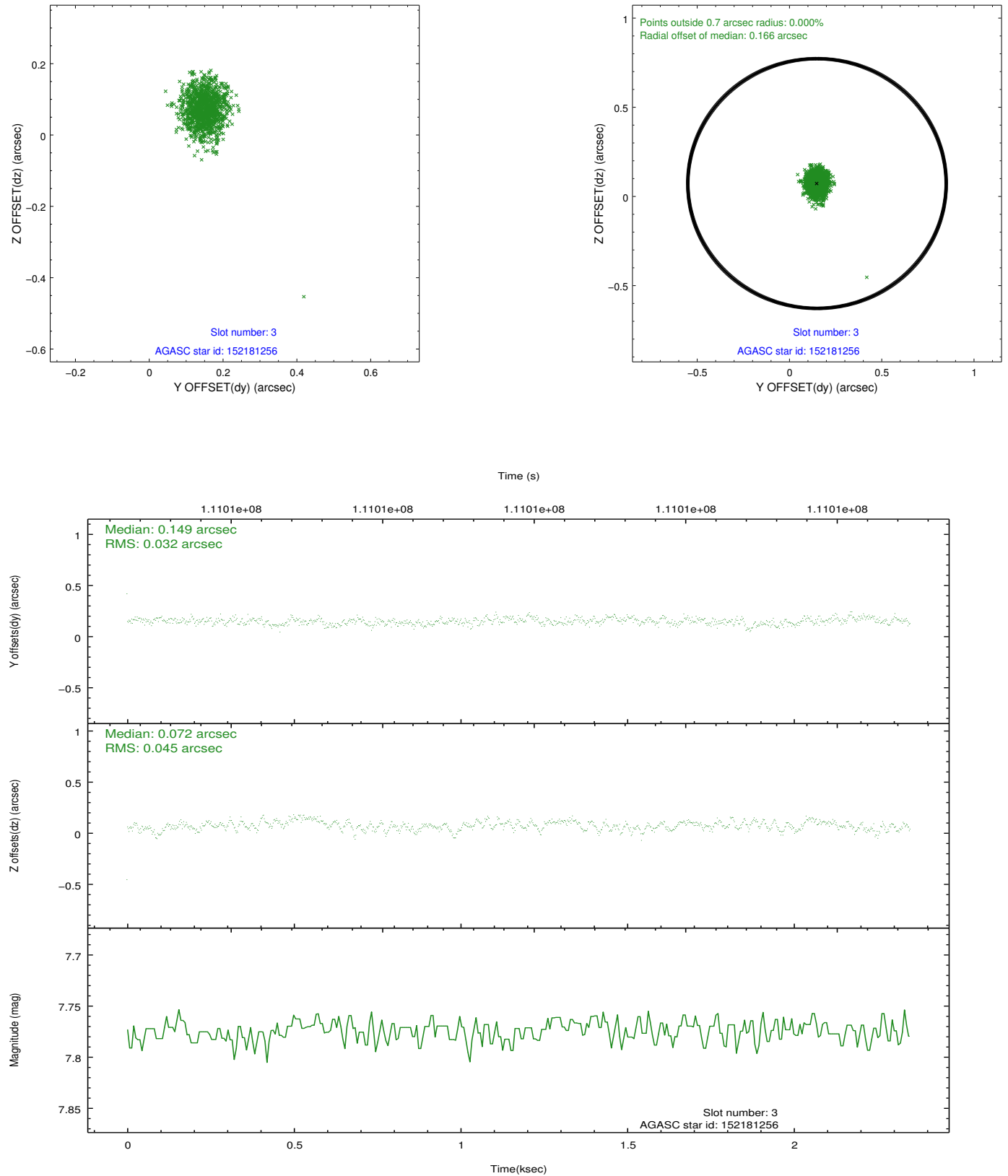


Slot Statistics

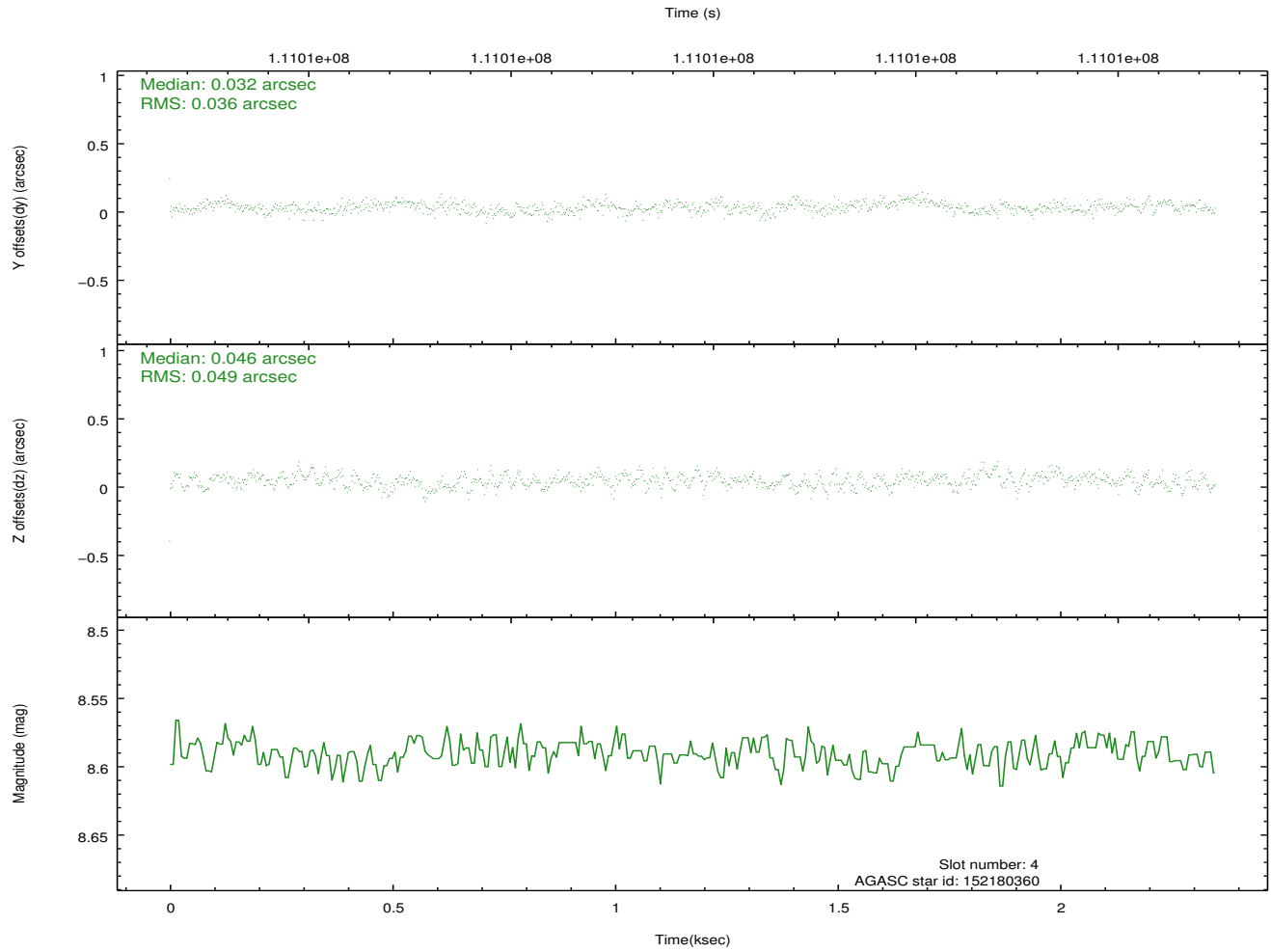
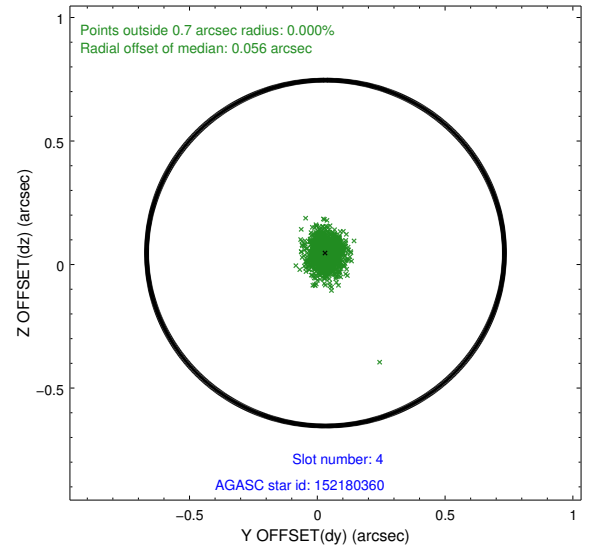
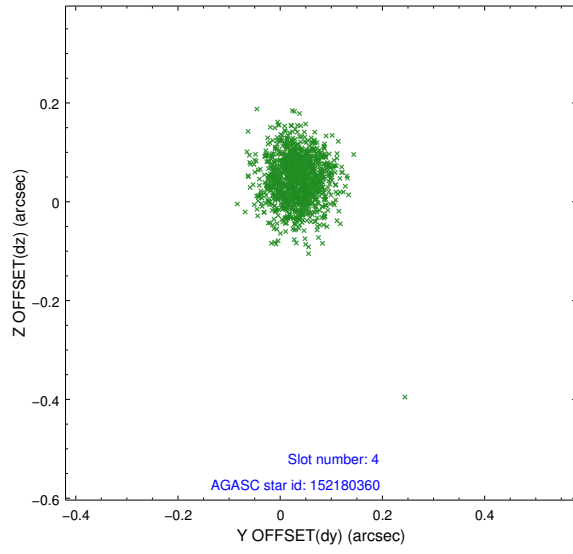
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	574	0.048	-0.015	0.006	0.011	0.000000	0.000000	853.65	-1294.40
1	FID	HRC-I-3	7.06	574	0.014	-0.024	0.006	0.010	0.000000	0.000000	-1186.08	1009.41
2	FID	HRC-I-4	7.00	574	0.056	-0.048	0.006	0.010	0.000000	0.000000	1281.69	1011.07
3	GUIDE	152181256	7.77	1147	0.149	0.072	0.056	0.090	349.141958	7.580367	-2132.18	-581.42
4	GUIDE	152180360	8.59	1147	0.032	0.046	0.063	0.101	349.110181	8.037159	-636.14	-1269.69
5	GUIDE	152181664	8.63	1147	-0.287	0.182	0.088	0.136	348.774873	8.789488	2314.33	-1519.70
6	GUIDE	152188480	8.91	1147	-0.037	-0.134	0.076	0.122	348.517103	8.131940	680.50	420.95
7	GUIDE	76418312	9.12	1146	0.140	-0.169	0.092	0.147	348.593333	7.241033	-2265.08	1723.29

2.4 Star Slots

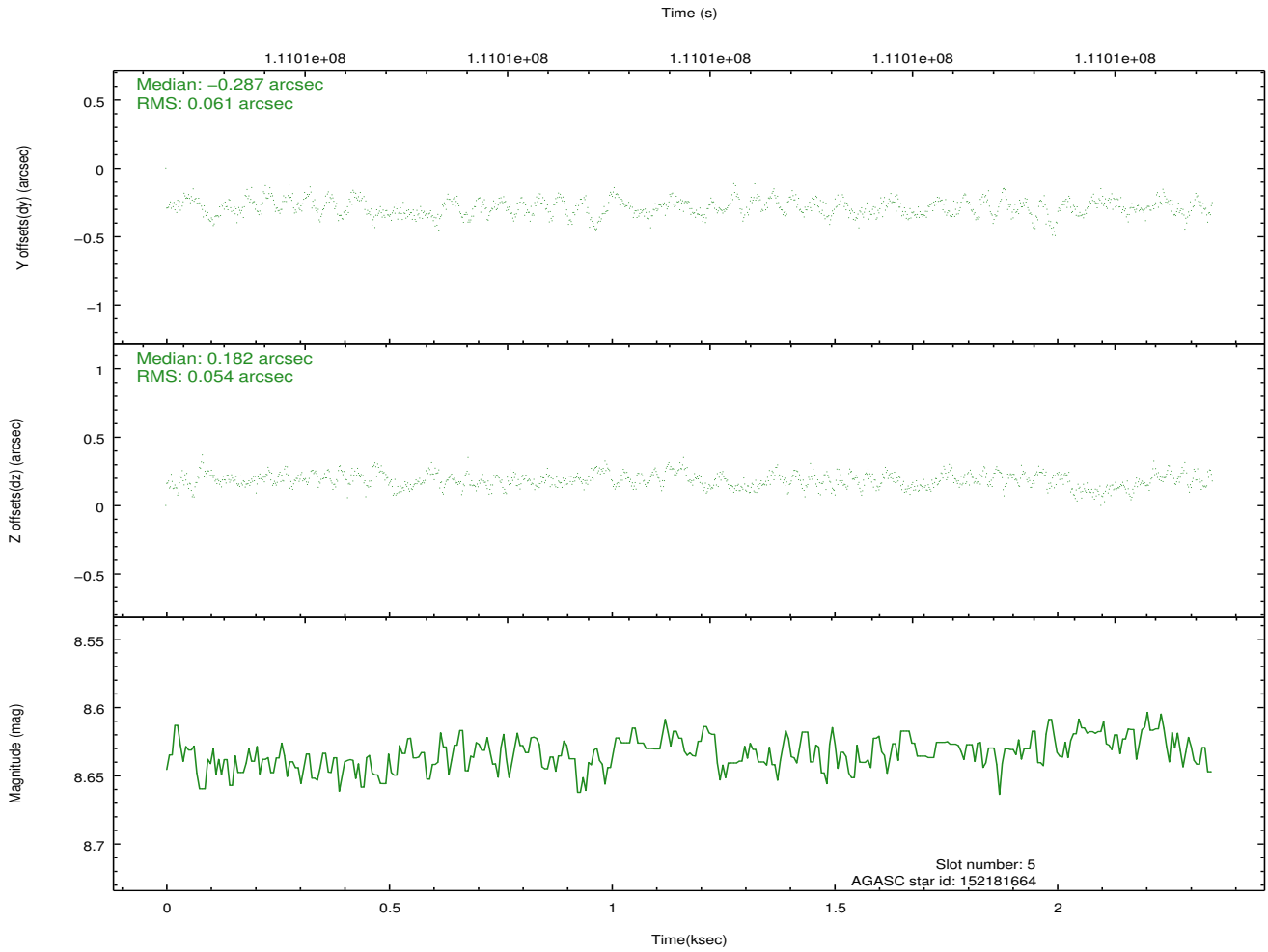
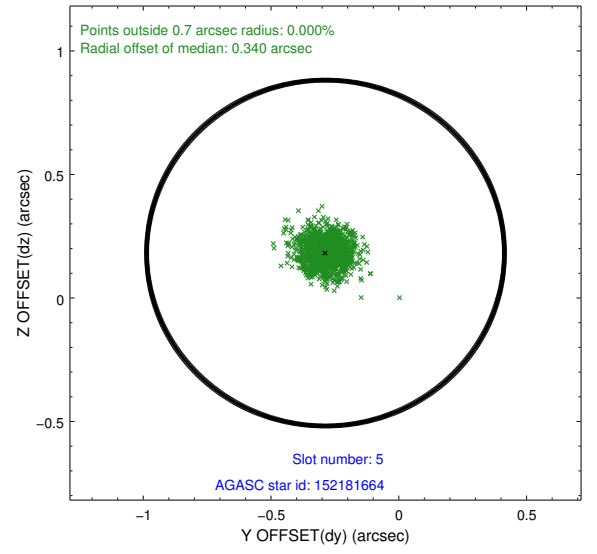
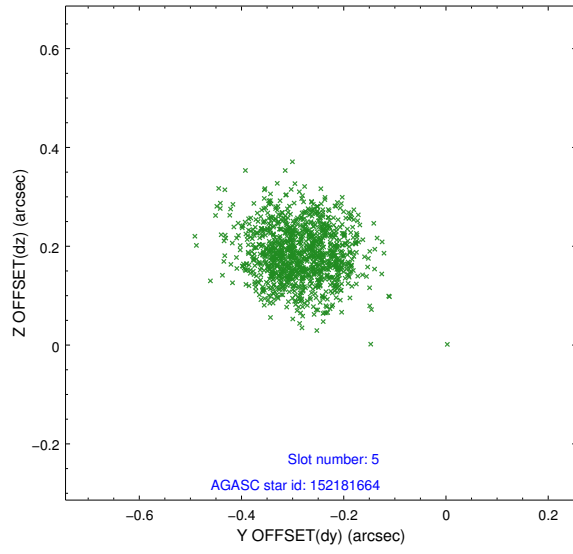
2.4.1 Slot 3



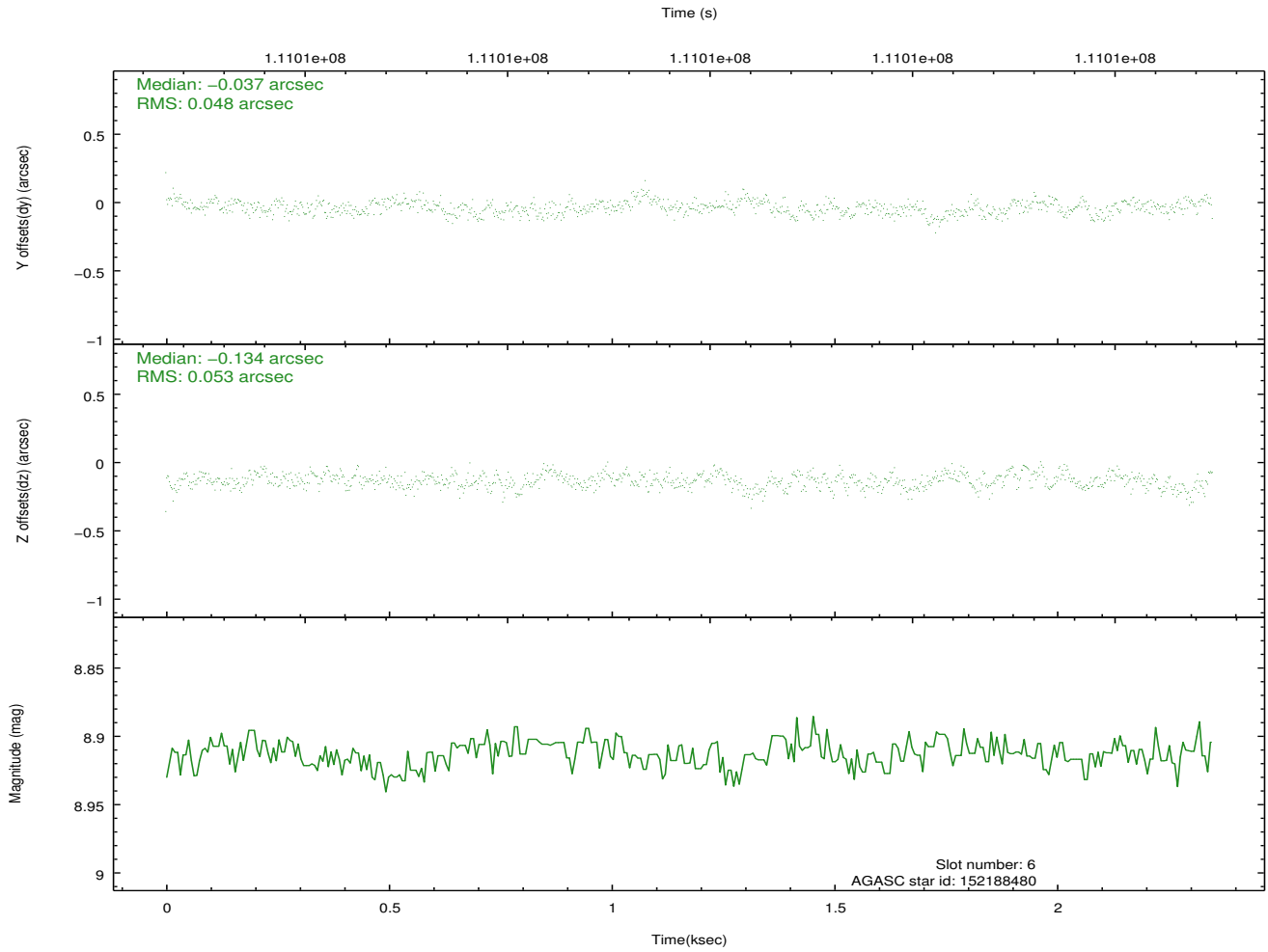
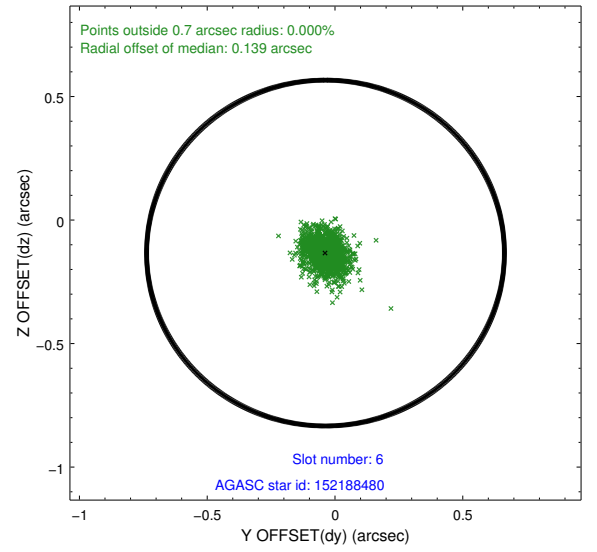
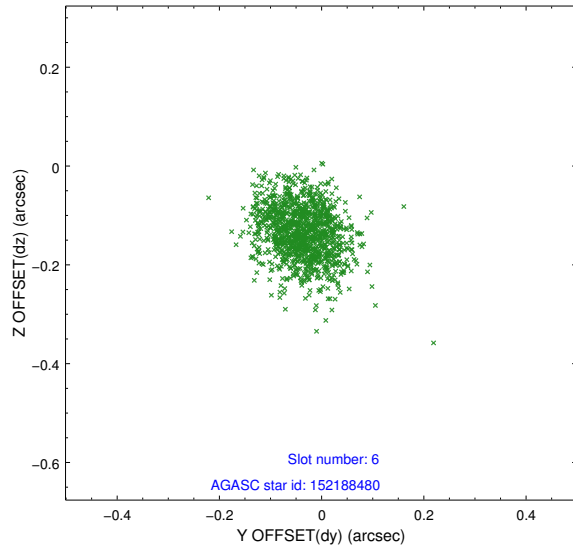
2.4.2 Slot 4



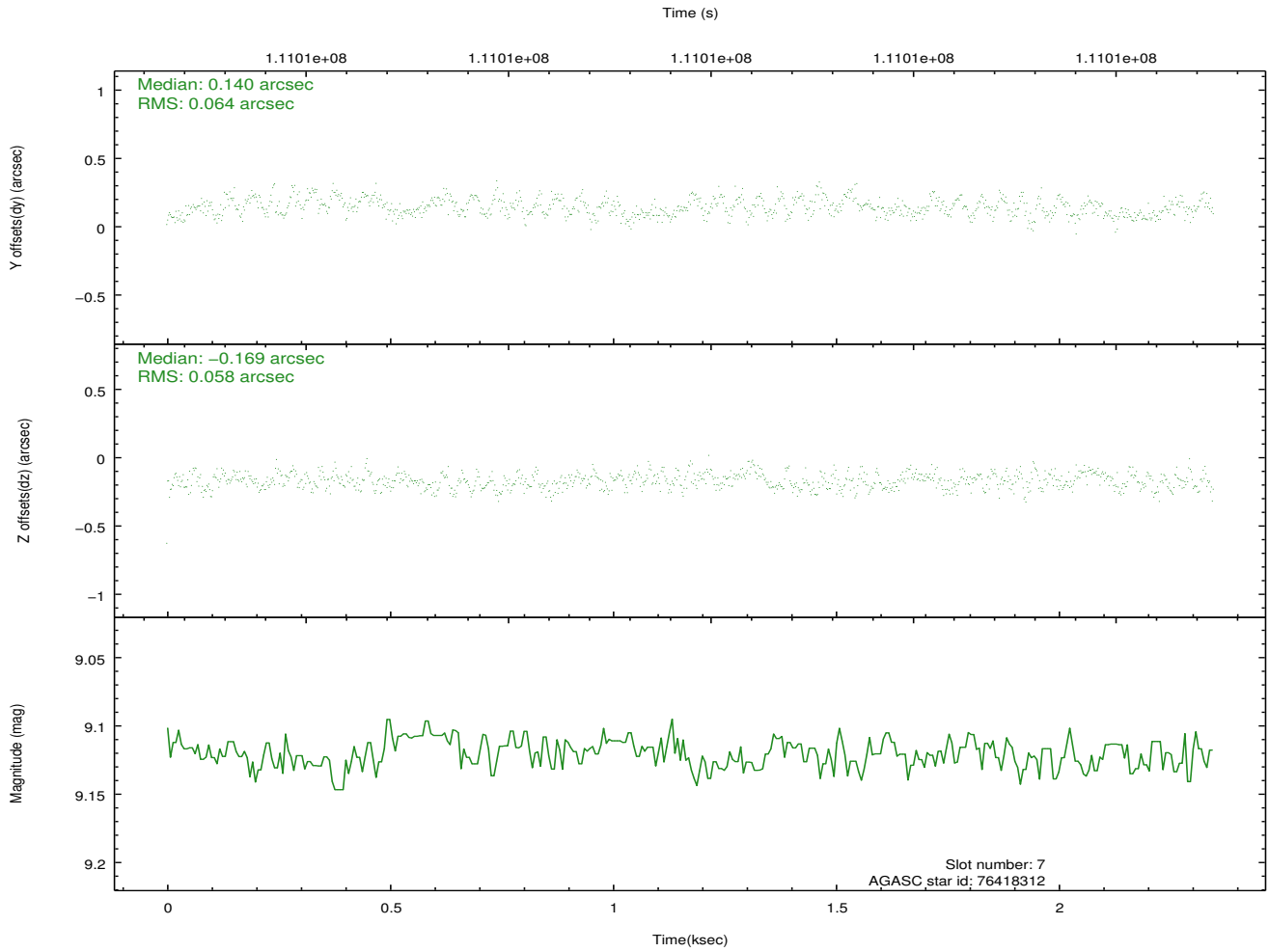
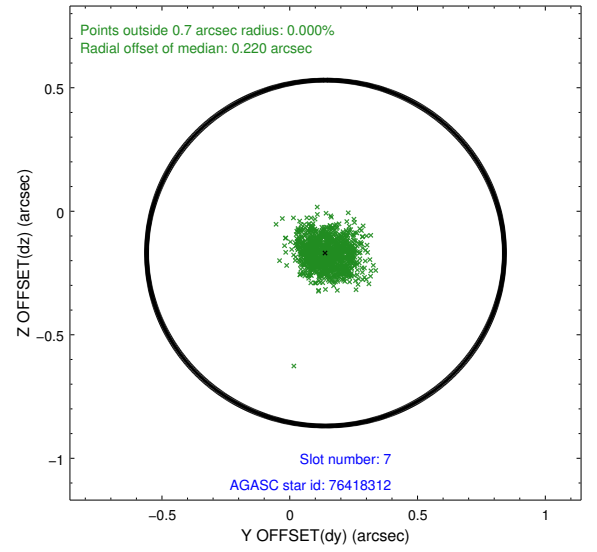
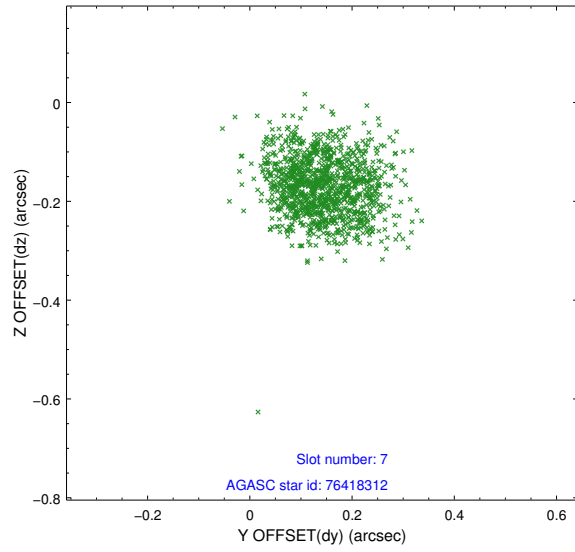
2.4.3 Slot 5



2.4.4 Slot 6

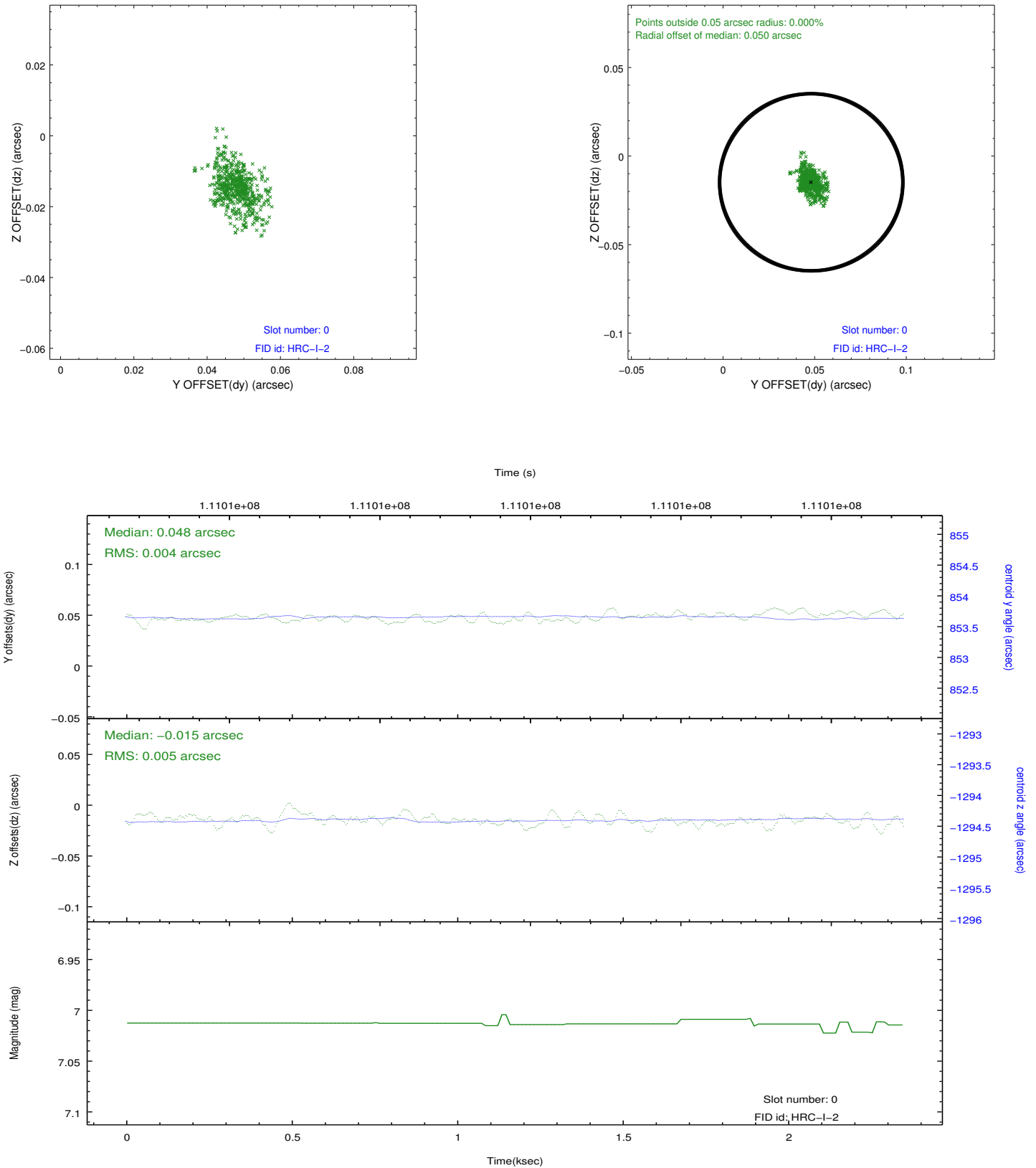


2.4.5 Slot 7

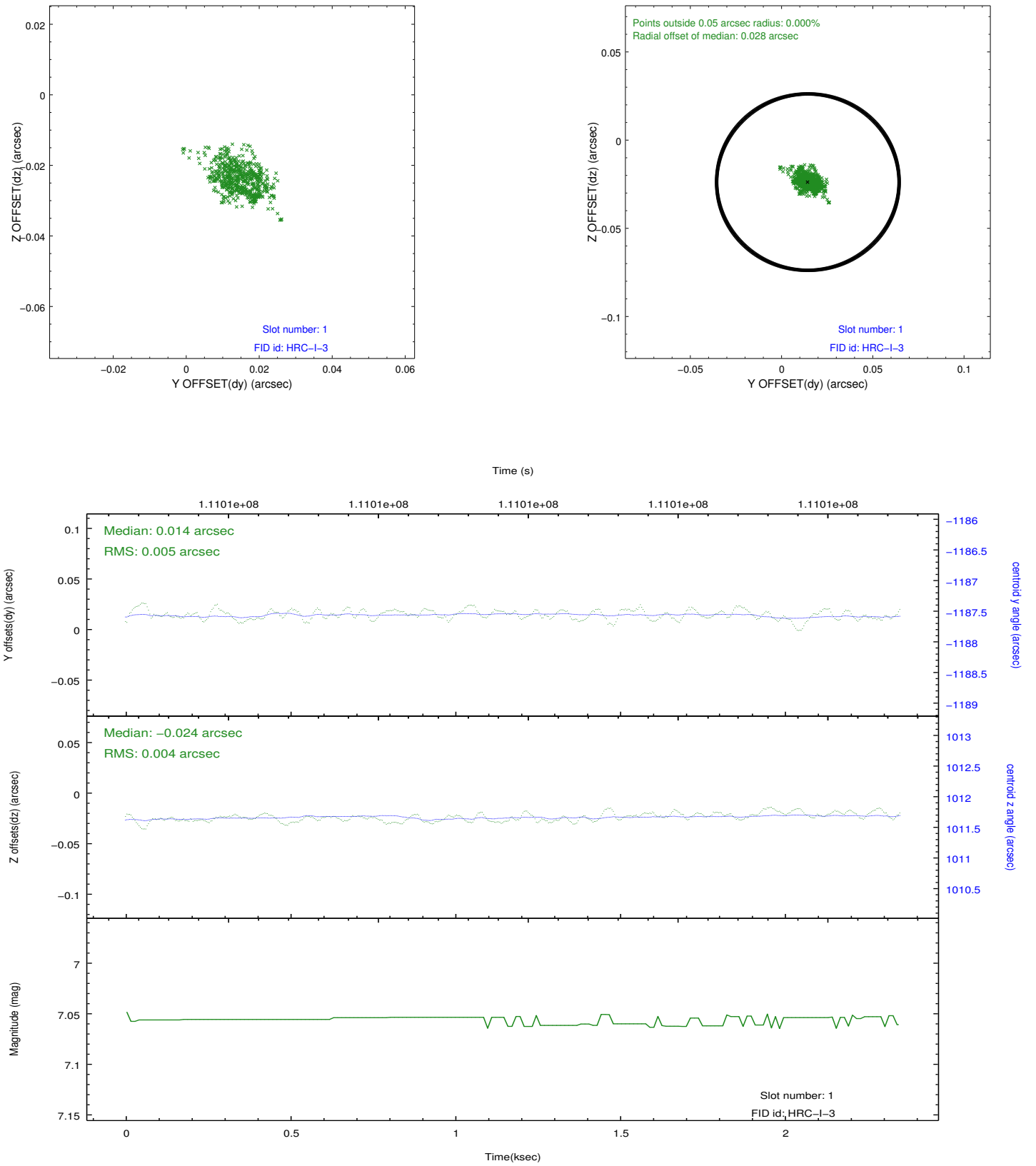


2.5 FID Slots

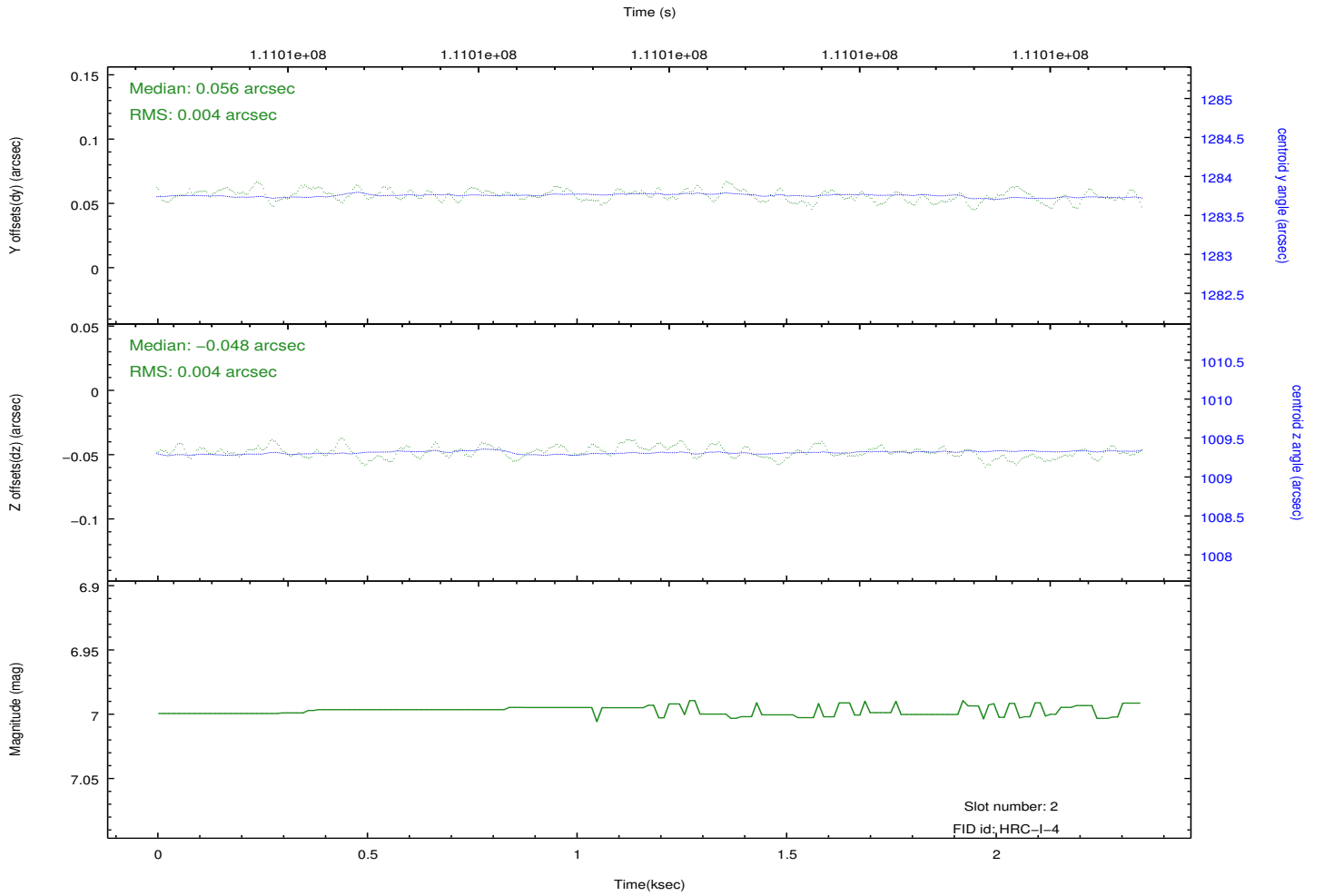
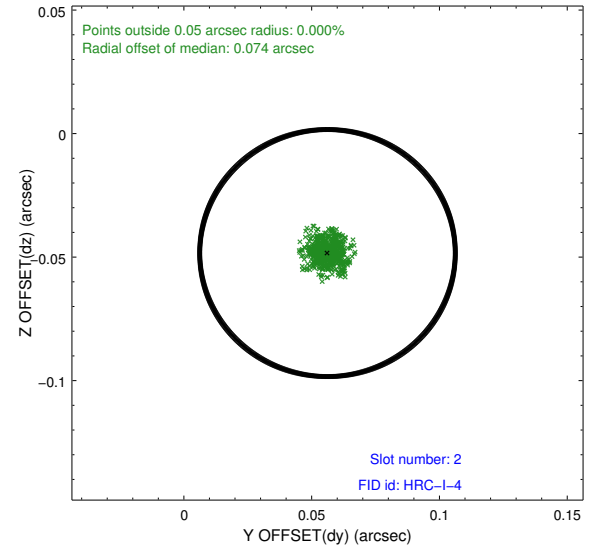
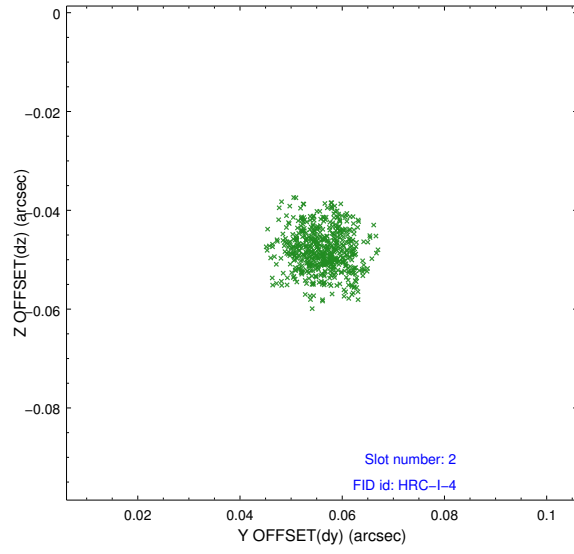
2.5.1 Slot 0



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)	2012.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.3

A.2 Comments

This is a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the target.