

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14251 - L2 Version 3
Chandra X-Ray Center

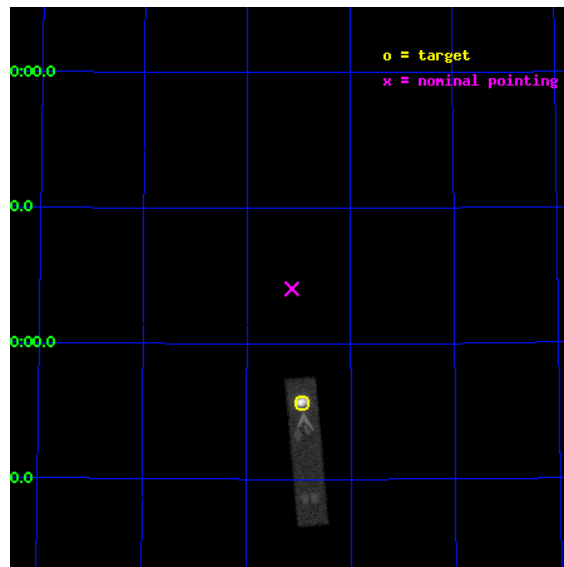
L2 Processing Date : Aug 10 2012

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

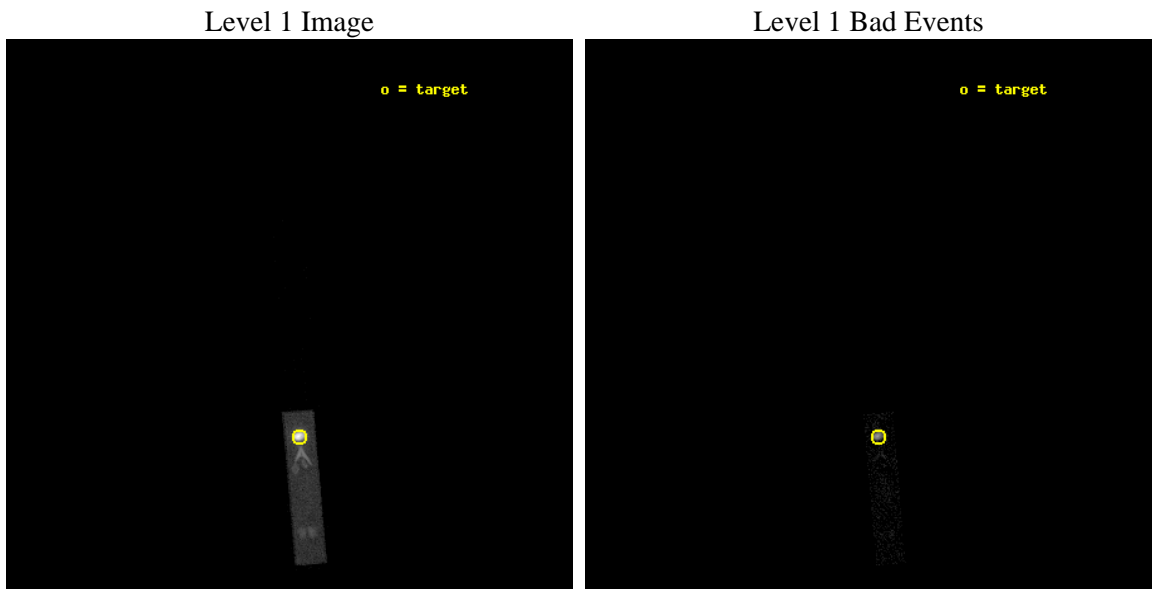
seq_num	291024	Sequence number
obs_id	14251	Observation id
title	AO-13 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.28285954262	Nominal RA [deg]
dec_nom	39.203379283332	Nominal Dec [deg]
roll_nom	84.914878307547	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1183.8750628233	[s]
liveltime	508.97745307598	Ontime multiplied by DTCOR
l2events	211900	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	1183.8750628233	[s]
caldbver	4.5.1.1	 	l1events	259255	Number of level 1 events
date	2012-08-10T05:07:30	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

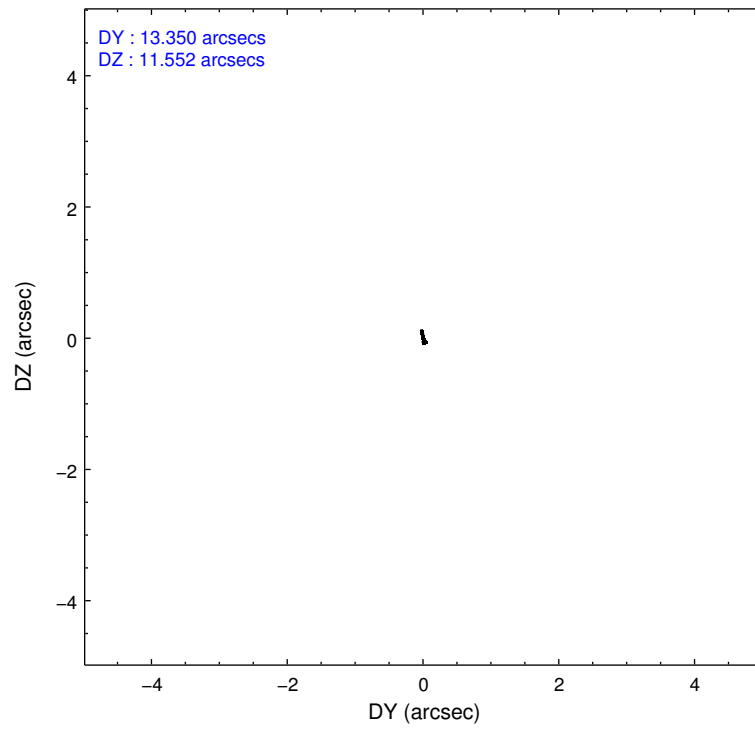
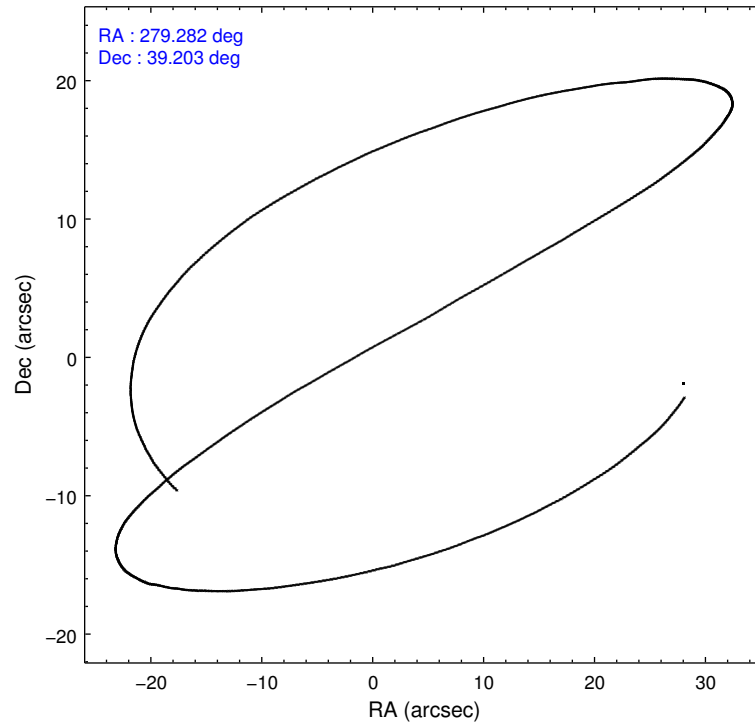
	segment 1	segment 2	segment 3
level 1 events	259224	29	2
rejected events	40935	20	2
rejected %	15%	68%	100%

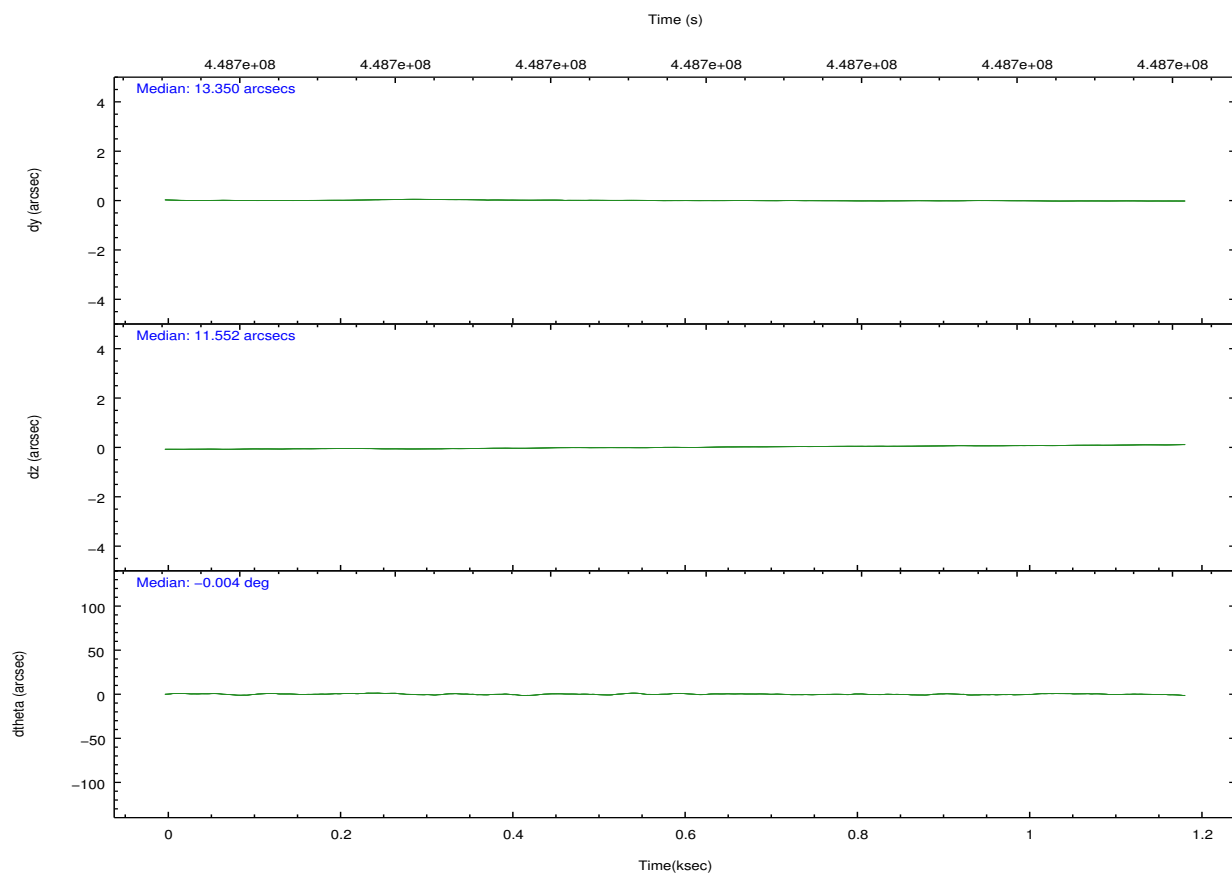
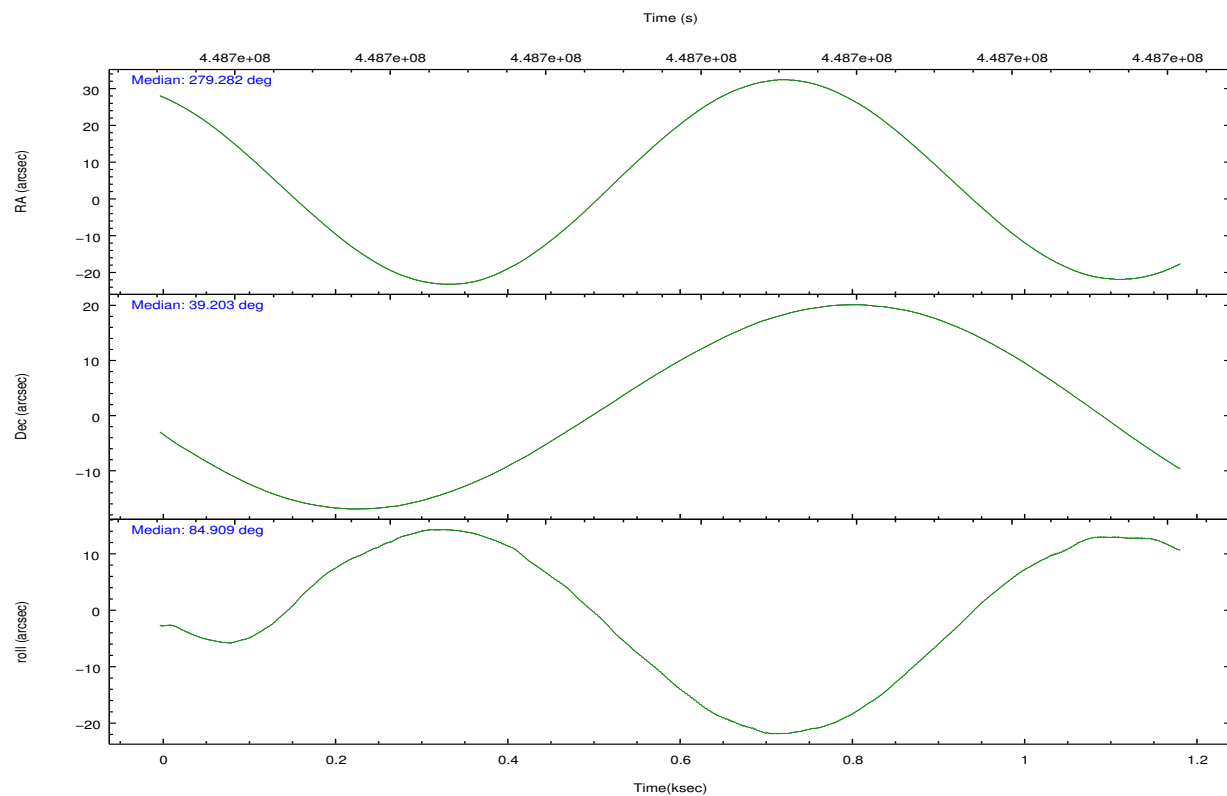
2.2 Compared Parameters

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	279.300894	279.2828595426227
[deg] Pointing Dec	39.178100	39.20337928333183
[deg] Pointing Roll	84.836097	84.91487830754653
[s] Window start time (MET)	446947266.184000	446947266.184000
[s] Window stop time (MET)	452131266.184000	452131266.184000
[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)	448697749.184000	448697372.81284
Observation start date	2012-03-21T06:14:43	2012-03-21T06:09:32
[s] Observation end time (MET)	448698749.184000	448699556.06296
Observation end date	2012-03-21T06:31:23	2012-03-21T06:45:56

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

2.3 Aspect



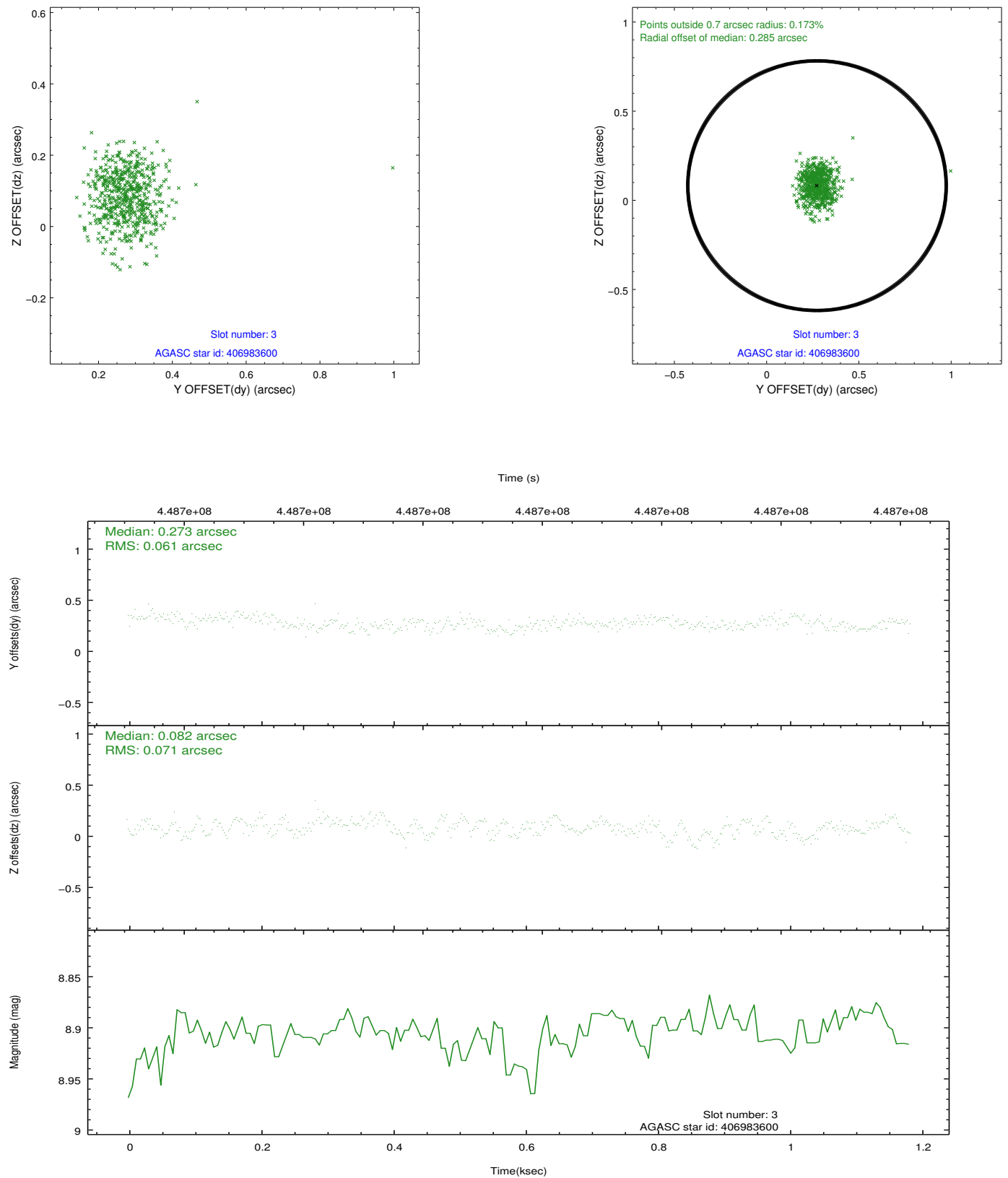


Slot Statistics

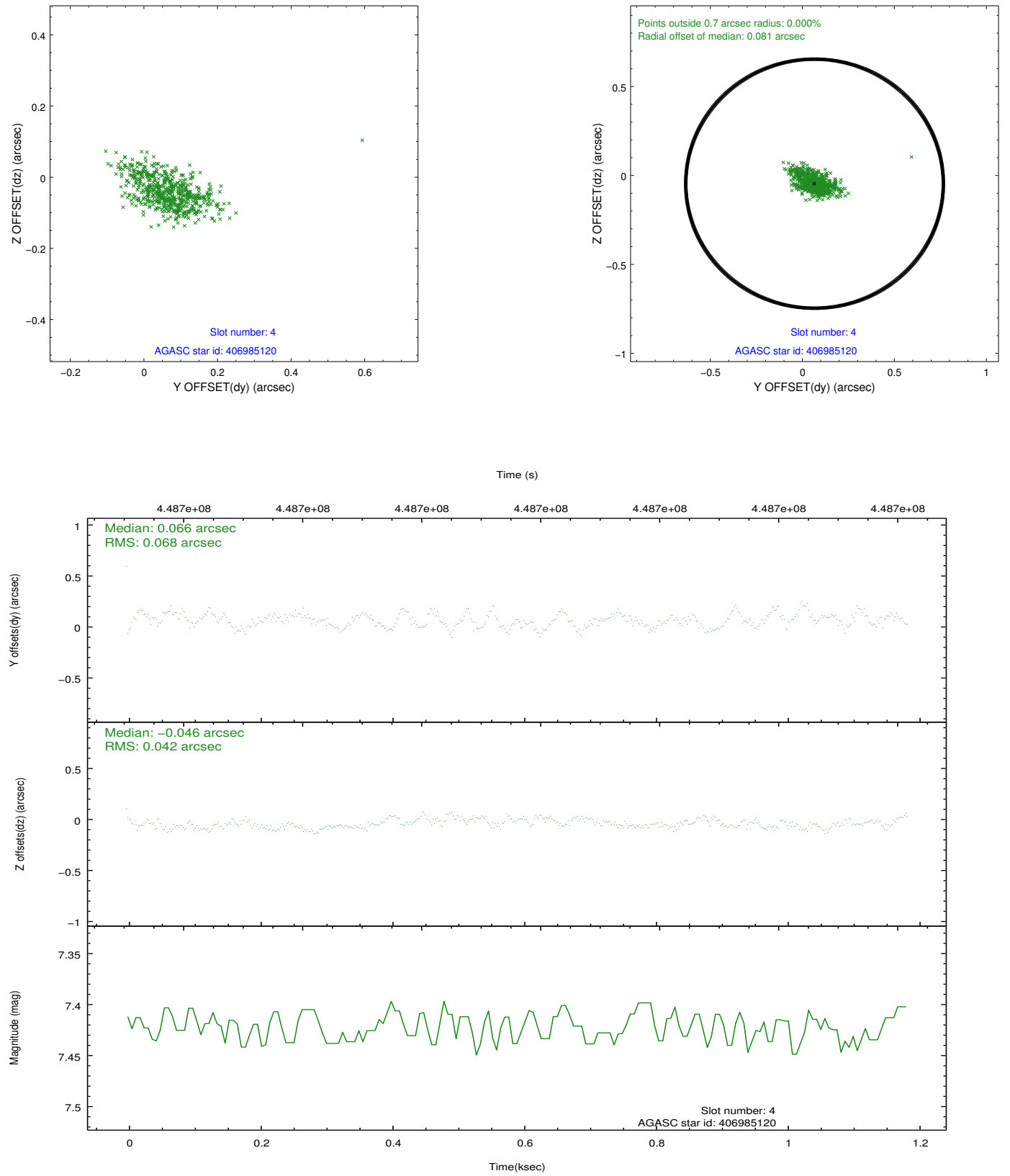
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.96	289	0.055	-0.127	0.007	0.012	0.000000	0.000000	-1167.73	-460.29
1	FID	HRC-S-2	6.94	288	0.247	-0.118	0.006	0.012	0.000000	0.000000	1228.07	-454.48
2	FID	HRC-S-3	6.96	289	0.088	-0.058	0.008	0.011	0.000000	0.000000	-1166.18	567.72
3	GUIDE	406983600	8.90	579	0.273	0.082	0.096	0.152	279.940957	39.020708	-396.48	-1836.42
4	GUIDE	406985120	7.42	579	0.066	-0.046	0.082	0.139	278.839732	38.894839	-1128.47	1190.17
5	GUIDE	407510432	8.11	579	-0.045	-0.196	0.077	0.122	278.762778	39.530640	1132.72	1602.80
6	GUIDE	407513096	8.13	579	-0.226	0.164	0.075	0.120	279.928965	39.436841	1093.73	-1653.67
7	GUIDE	407521584	8.94	575	-0.068	-0.022	0.095	0.147	279.676096	39.795417	2311.33	-837.86

2.4 Star Slots

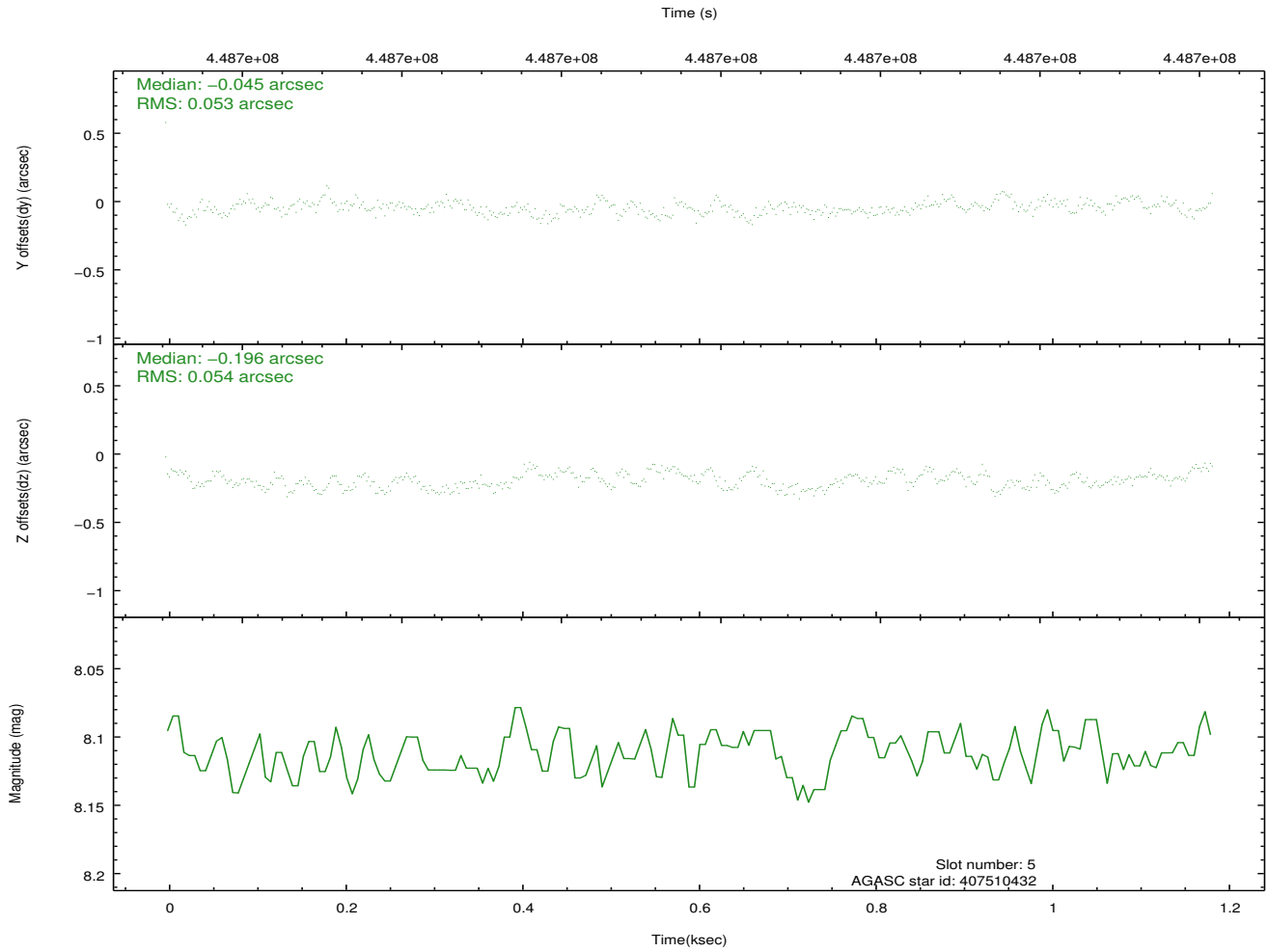
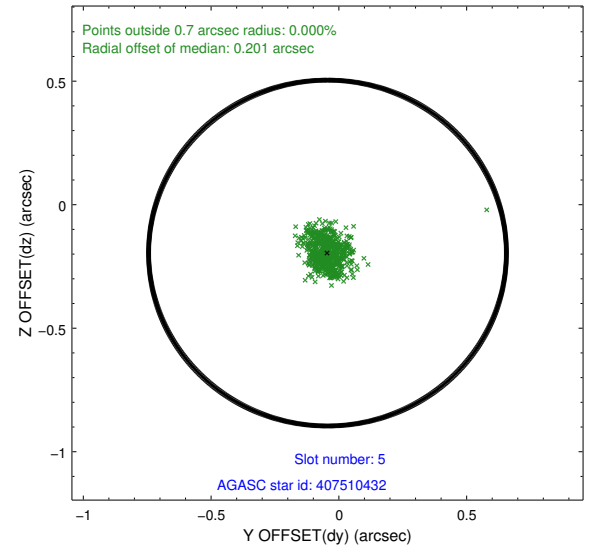
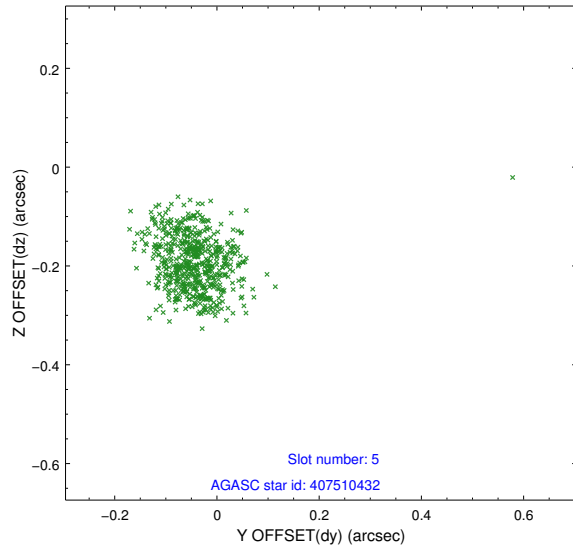
2.4.1 Slot 3



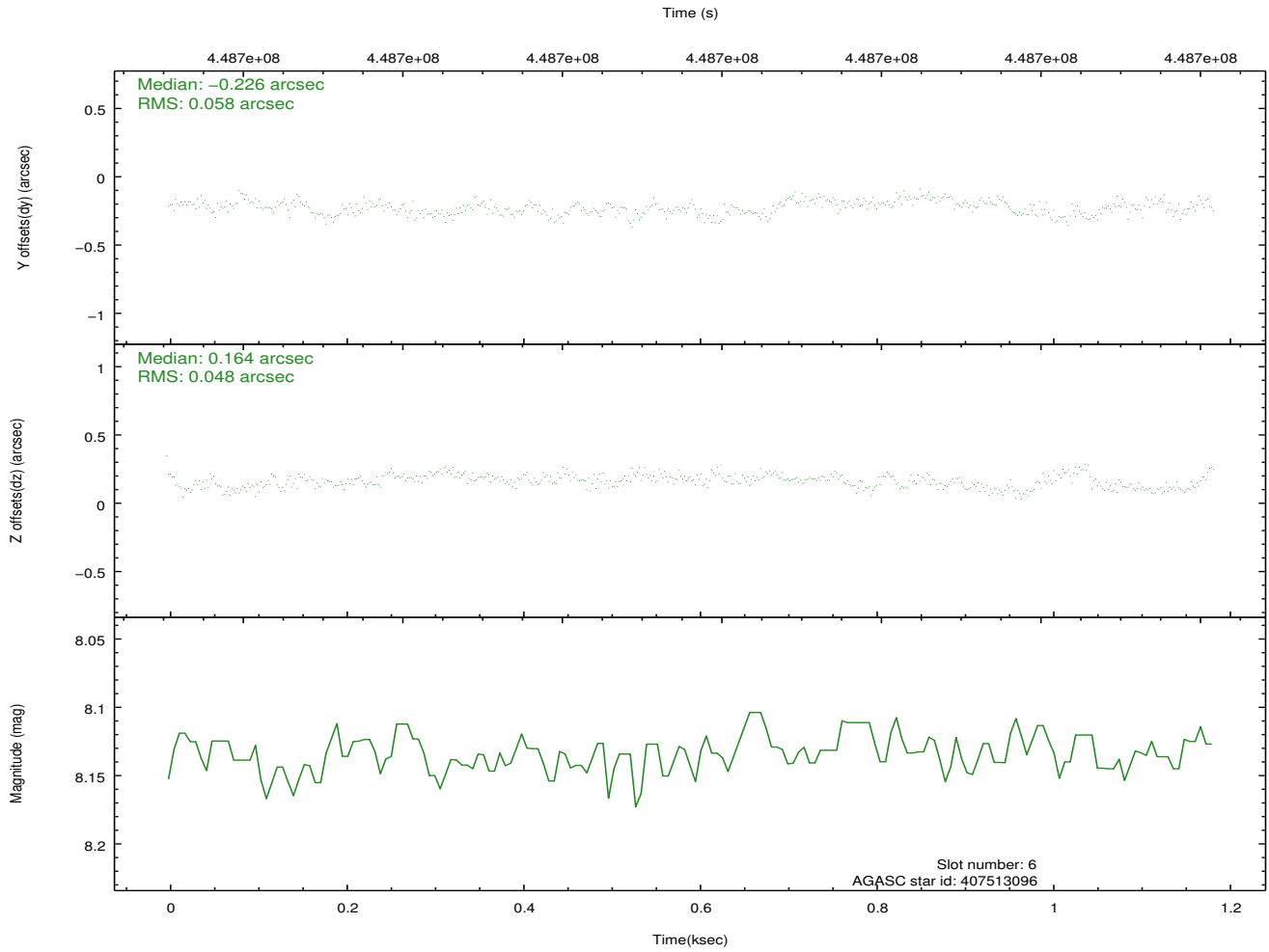
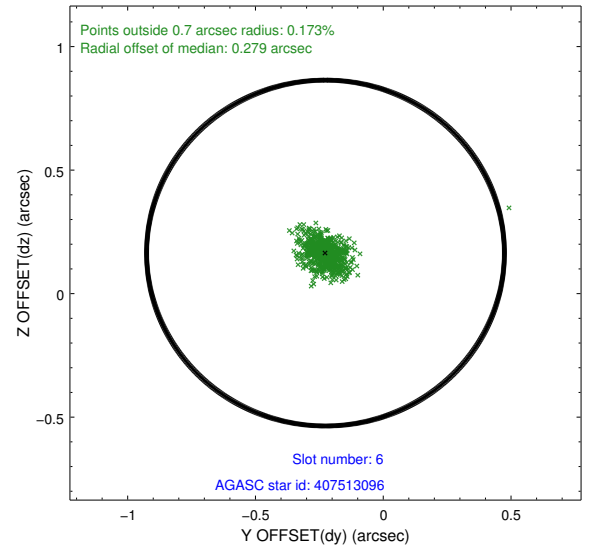
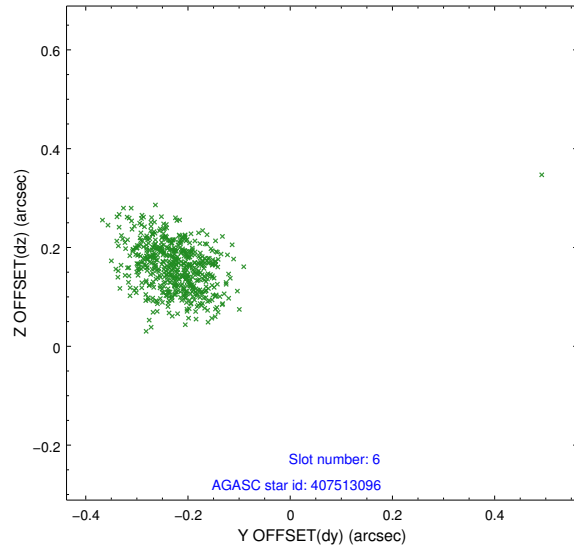
2.4.2 Slot 4



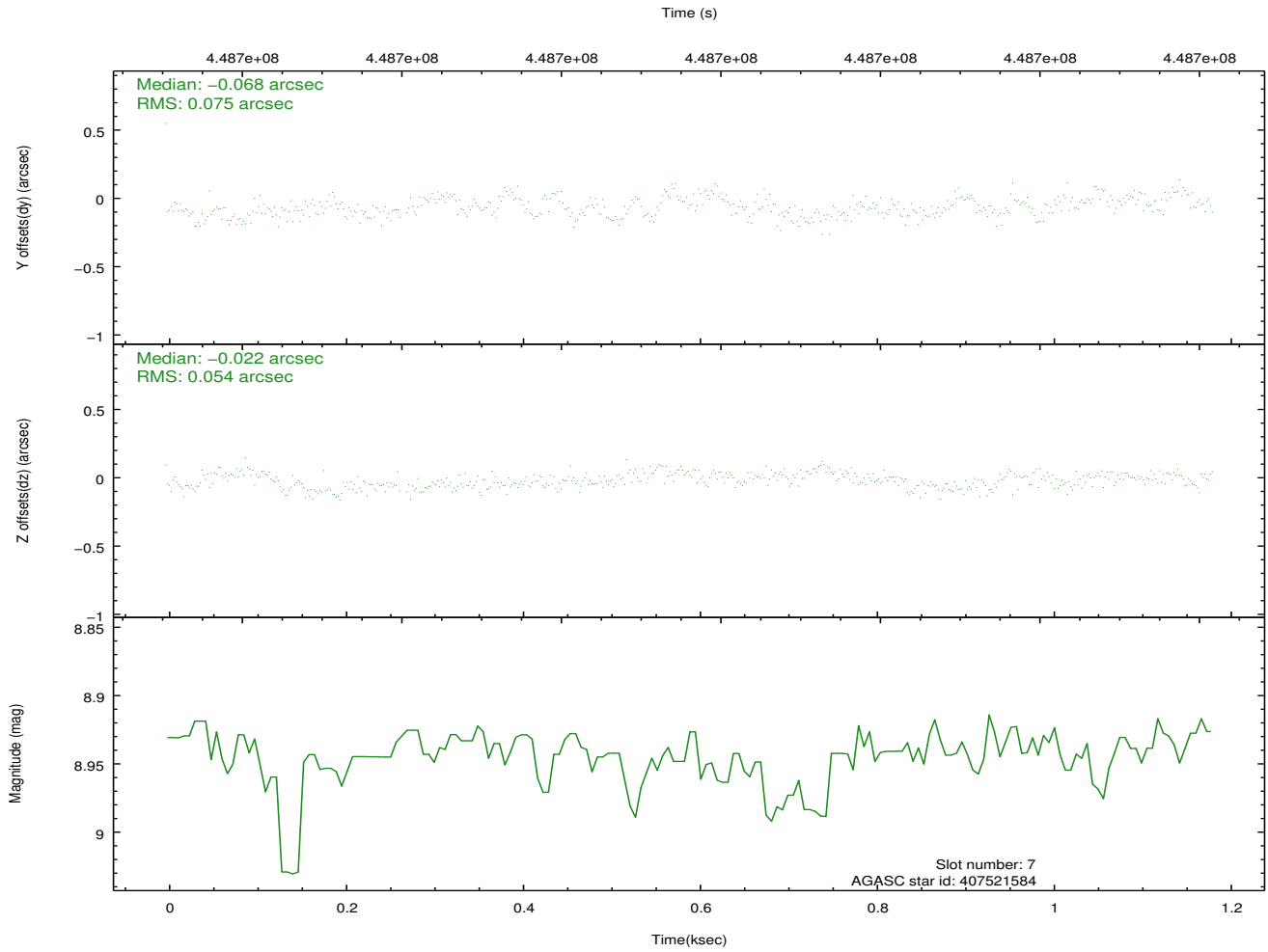
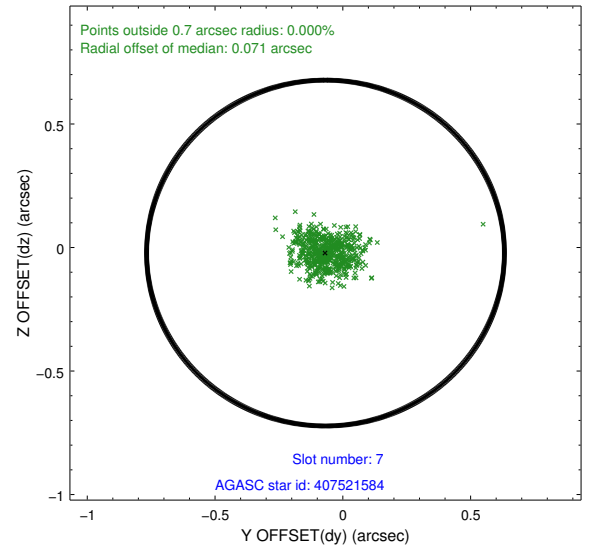
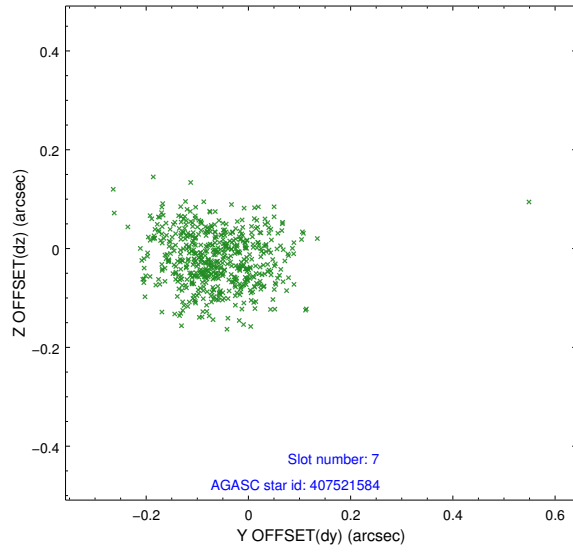
2.4.3 Slot 5



2.4.4 Slot 6

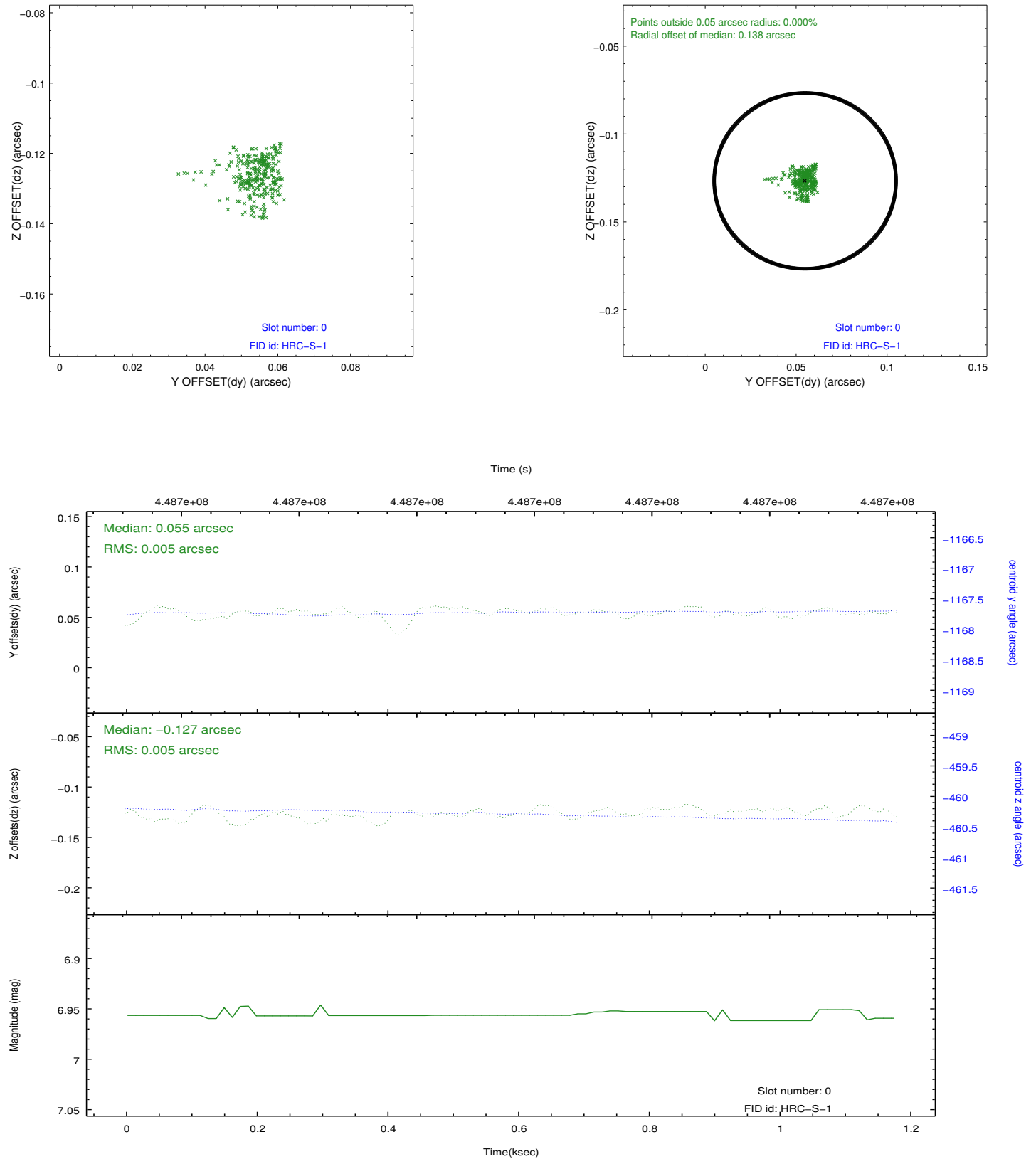


2.4.5 Slot 7

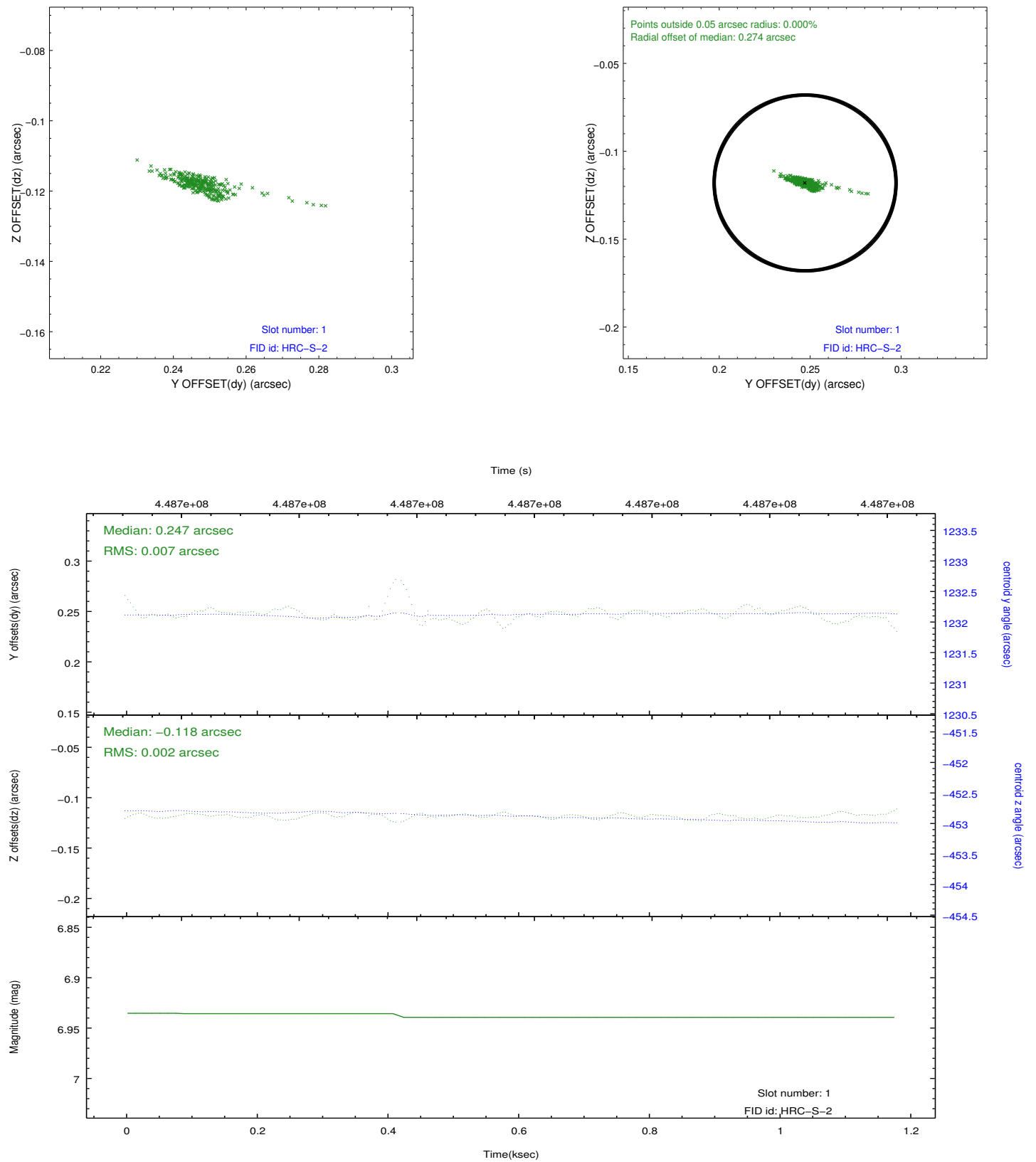


2.5 FID Slots

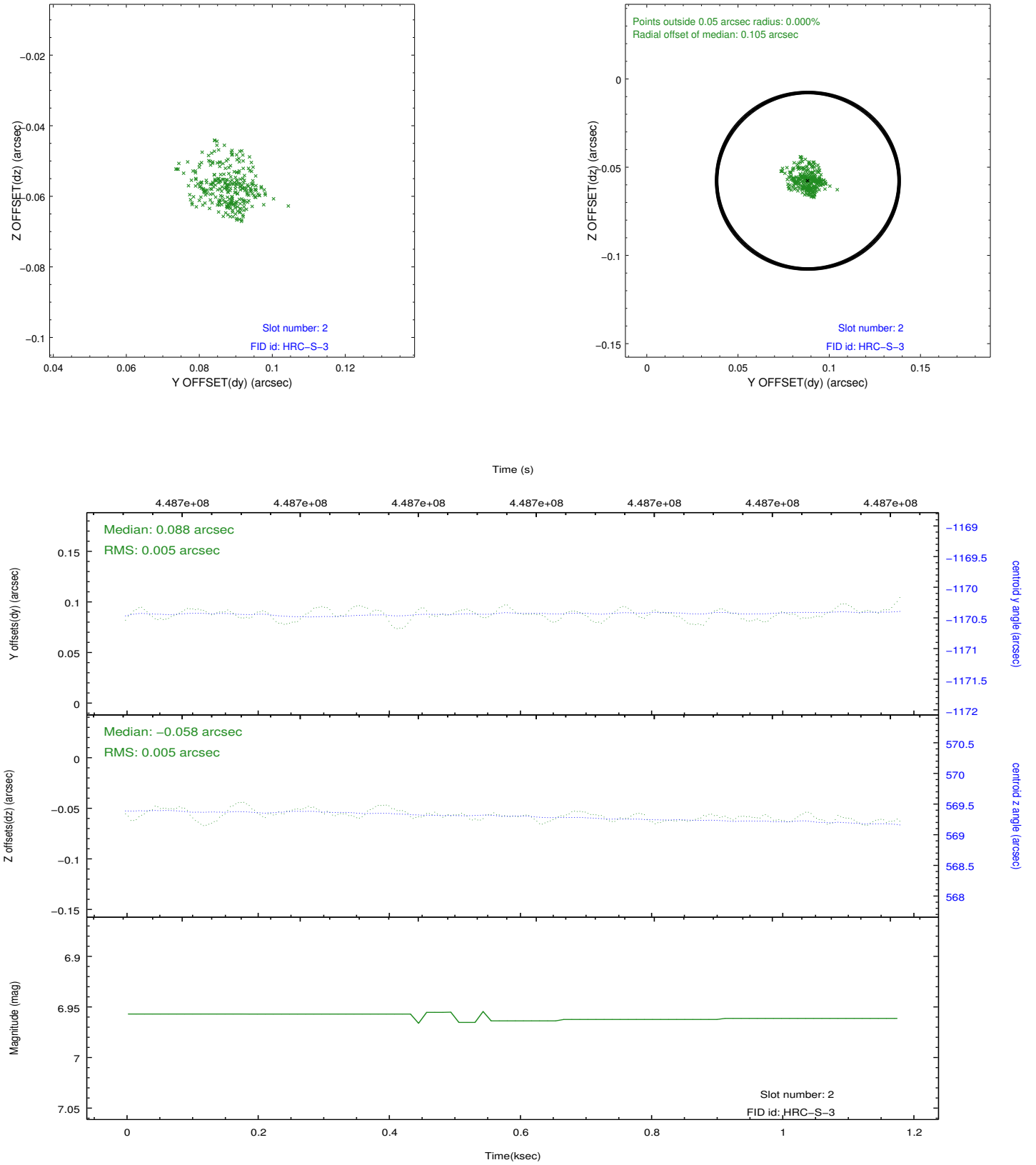
2.5.1 Slot 0



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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1838750628233

A.2 Comments

Window constraint met.