

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4346 - L2 Version 3
Chandra X-Ray Center

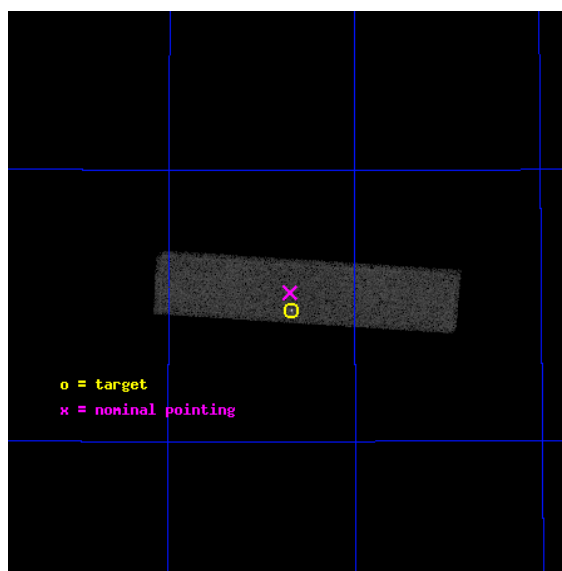
L2 Processing Date : Oct 23 2012

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

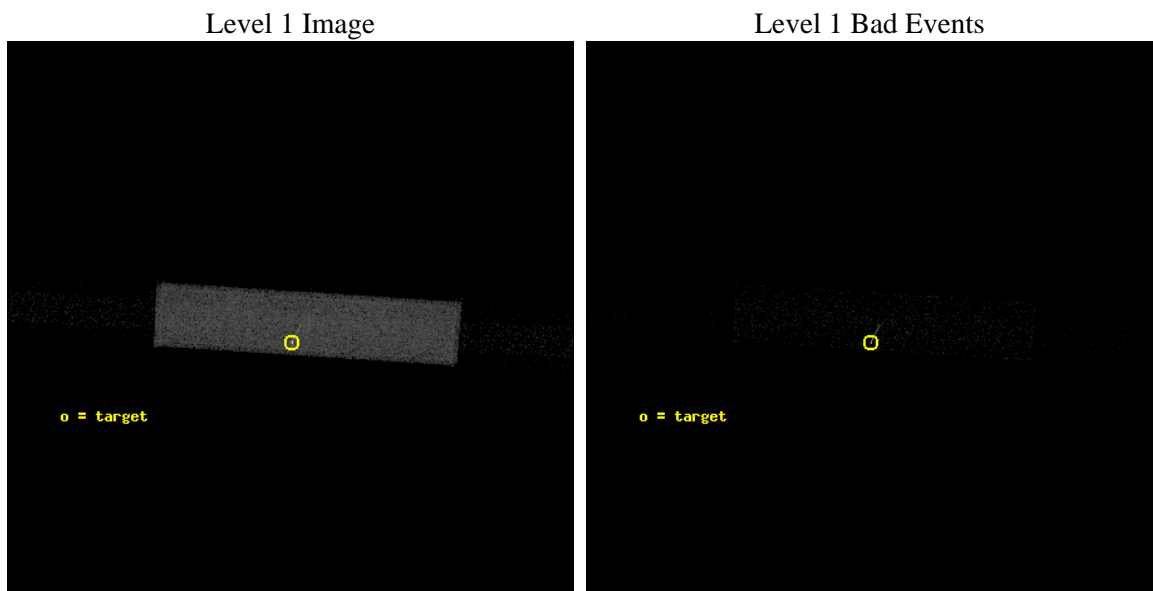
seq_num	290306	Sequence number
obs_id	4346	Observation id
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17440805145	Nominal RA [deg]
dec_nom	45.774818894058	Nominal Dec [deg]
roll_nom	3.5878708089342	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1143.131298095	[s]
livetime	1136.1353485815	Ontime multiplied by DTCOR
l2events	50364	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	1143.131298095	[s]
caldbver	4.5.2	 	l1events	79094	Number of level 1 events
date	2012-10-23T09:25:33	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

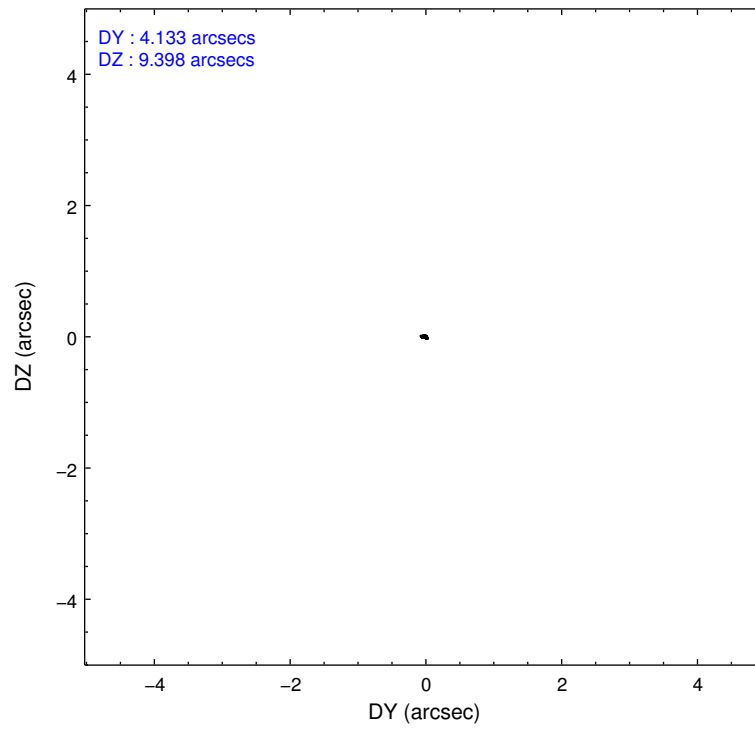
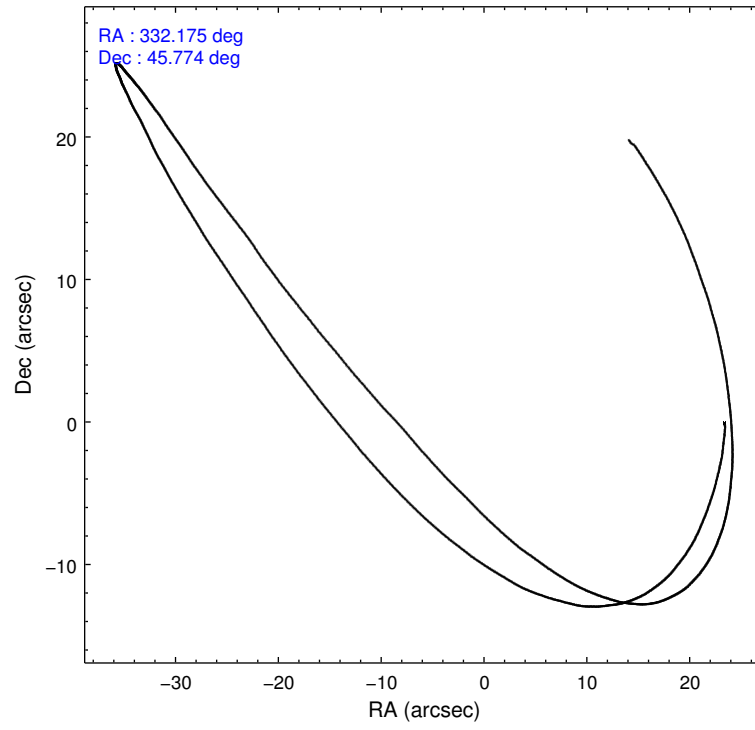
Level 1 Events

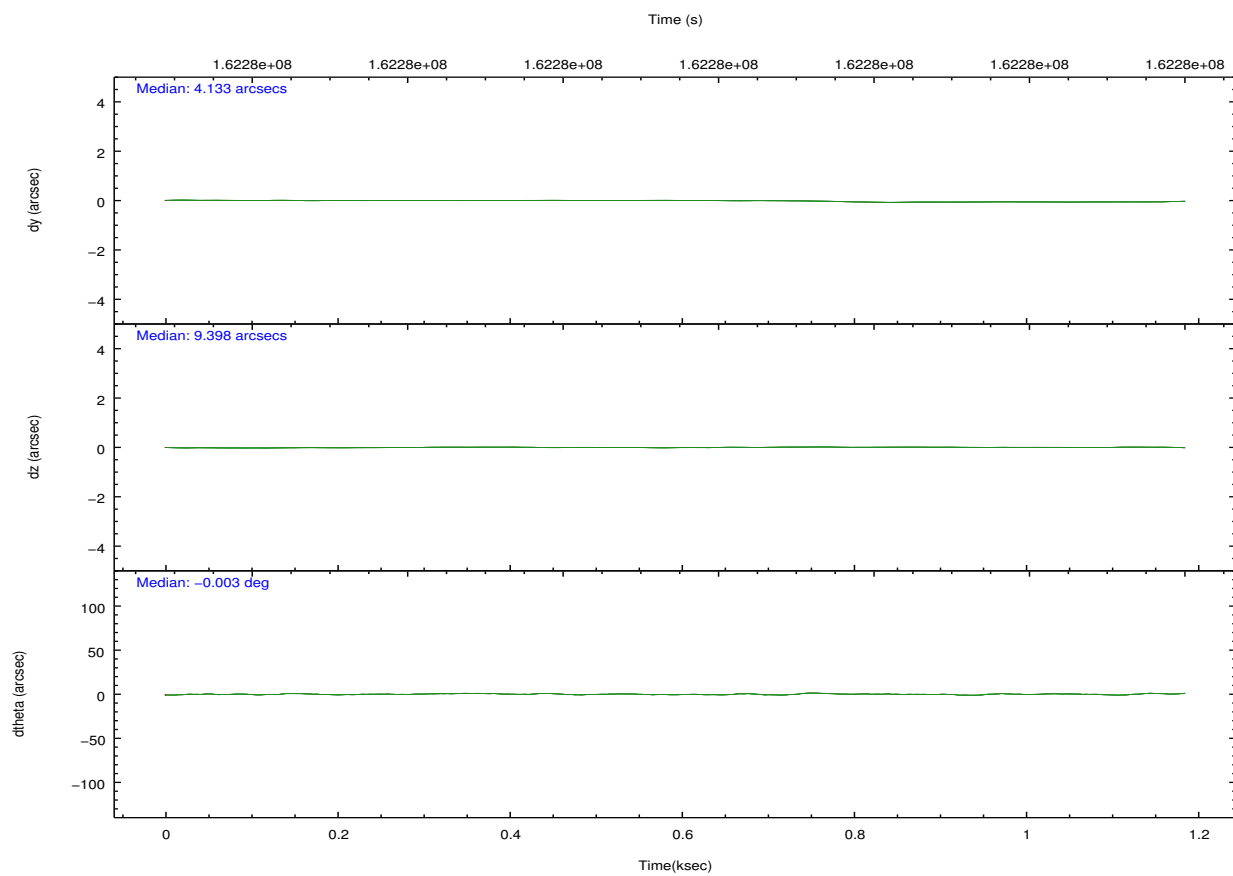
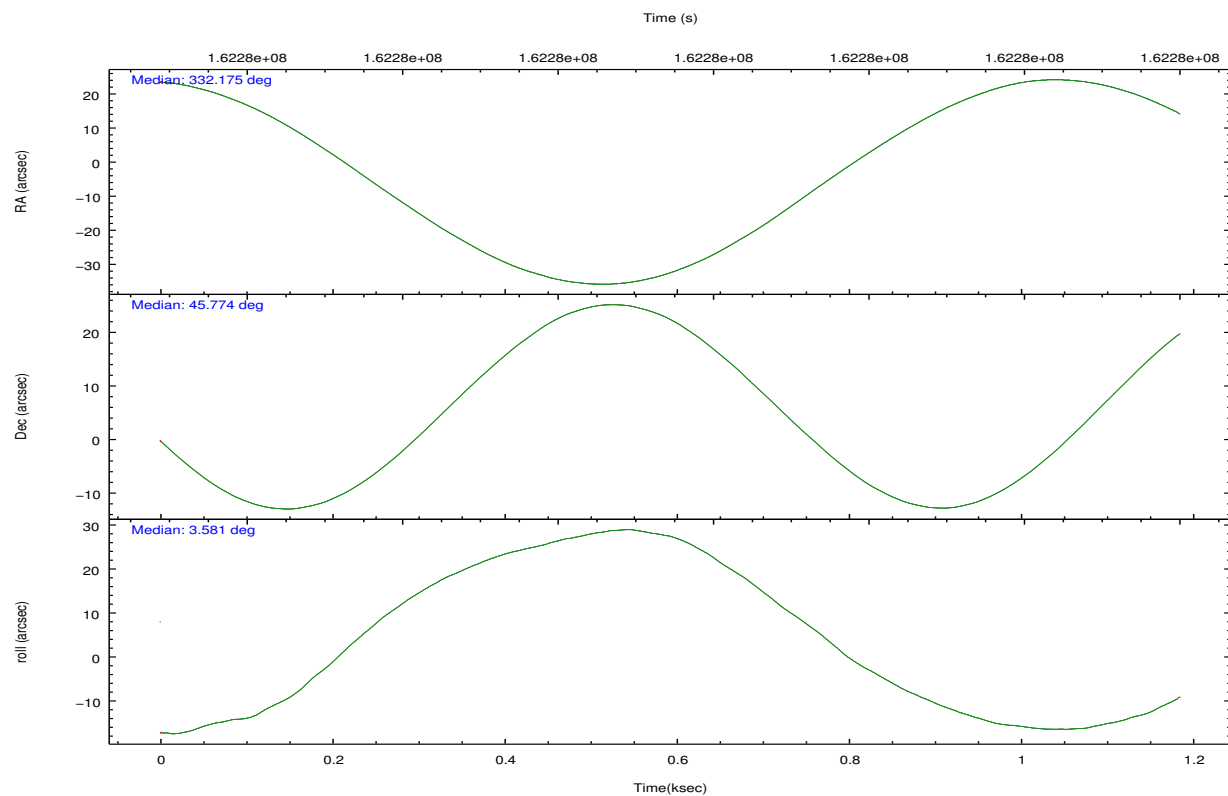
	segment 1	segment 2	segment 3
level 1 events	1270	76588	1236
rejected events	1270	16666	1236
rejected %	100%	21%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.140786	332.1744080514461			
[deg] Pointing Dec	45.758744	45.77481889405798			
[deg] Pointing Roll	3.544673	3.587870808934245			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	162282935.184000	162282559.55659			
Observation start date	2003-02-22T06:34:31	2003-02-22T06:29:19			
[s] Observation end time (MET)	162283935.184000	162284069.89416			
Observation end date	2003-02-22T06:51:11	2003-02-22T06:54:29			

2.3 Aspect



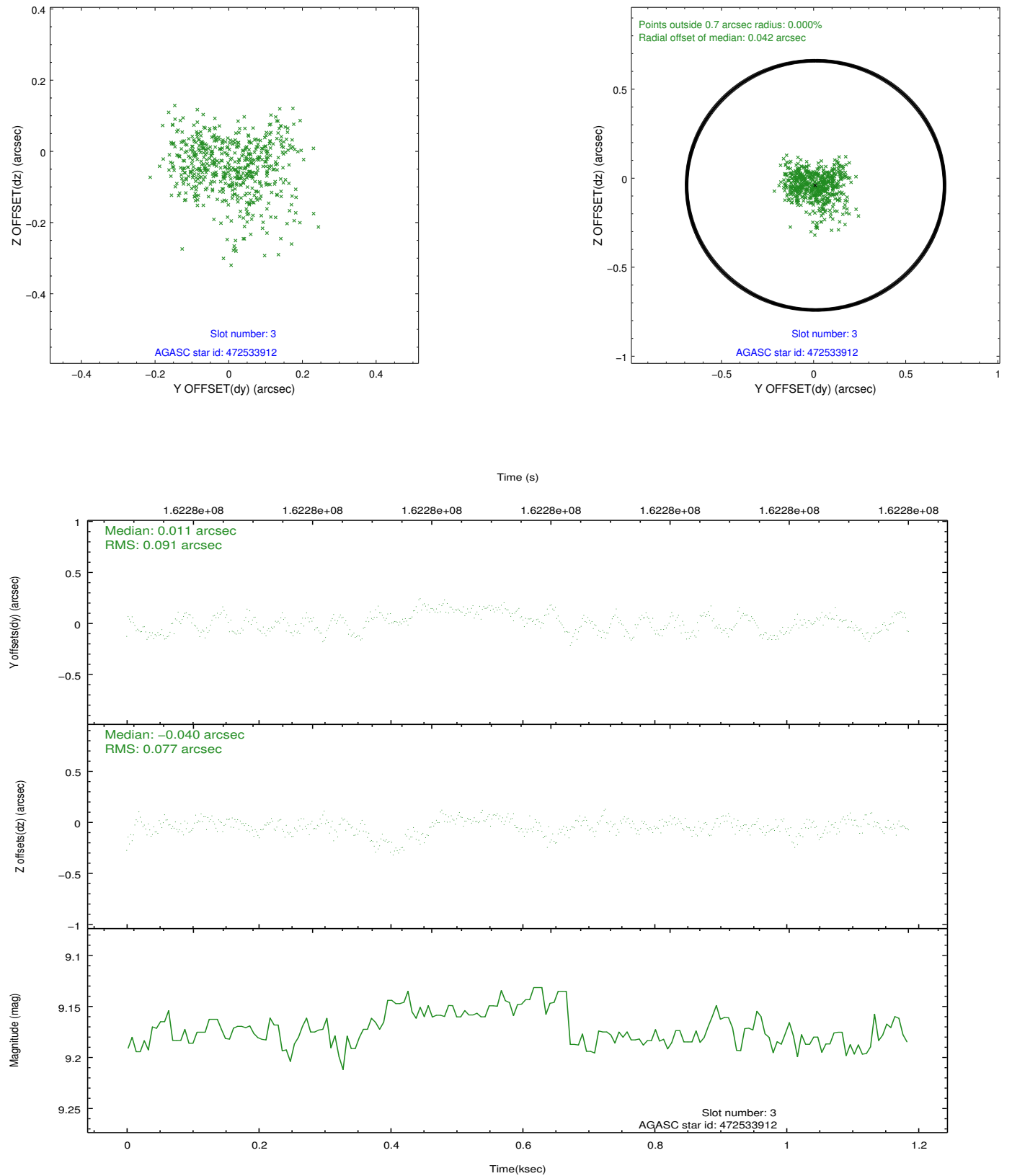


Slot Statistics

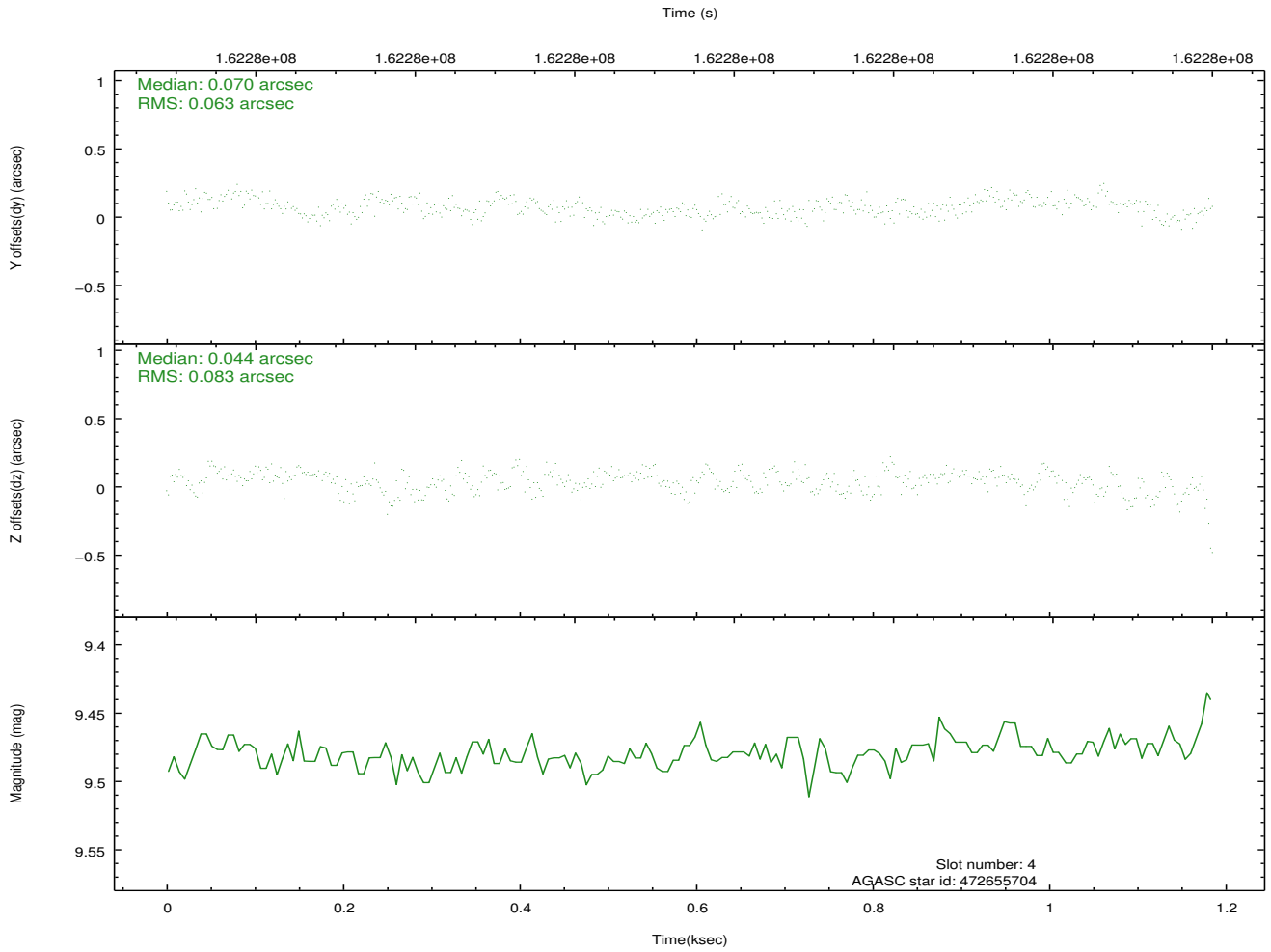
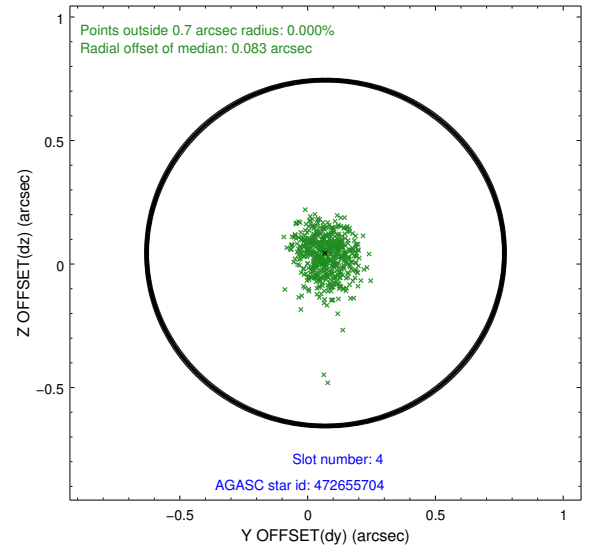
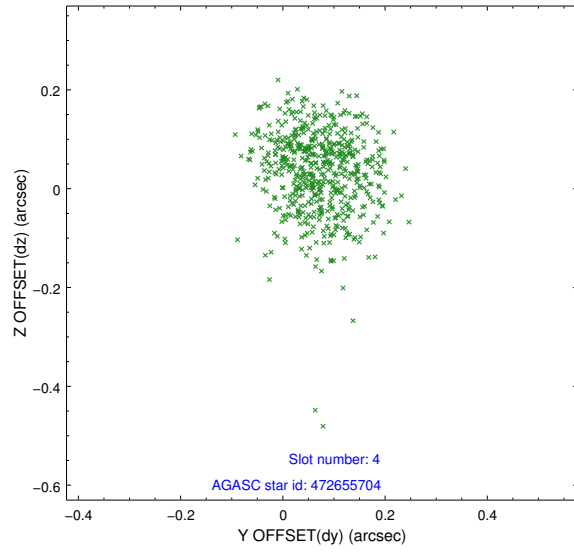
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	290	0.166	-0.179	0.006	0.012	0.000000	0.000000	-1158.15	-458.06
1	FID	HRC-S-2	6.99	290	0.060	-0.086	0.004	0.008	0.000000	0.000000	1237.43	-452.21
2	FID	HRC-S-3	7.02	290	0.164	-0.037	0.006	0.011	0.000000	0.000000	-1156.59	570.06
3	GUIDE	472533912	9.17	579	0.011	-0.040	0.128	0.207	331.791136	46.368695	-732.52	2250.71
4	GUIDE	472655704	9.48	578	0.070	0.044	0.107	0.167	332.167195	45.285228	-40.82	-1698.01
5	GUIDE	472659832	9.46	576	-0.002	0.073	0.106	0.177	332.780399	46.098139	1668.06	1128.17
6	GUIDE	472527720	6.99	579	-0.146	-0.057	0.077	0.117	331.460205	45.112509	-1867.47	-2202.56
7	GUIDE	472655152	9.44	577	0.081	-0.010	0.095	0.152	332.504239	45.862991	928.34	320.21

2.4 Star Slots

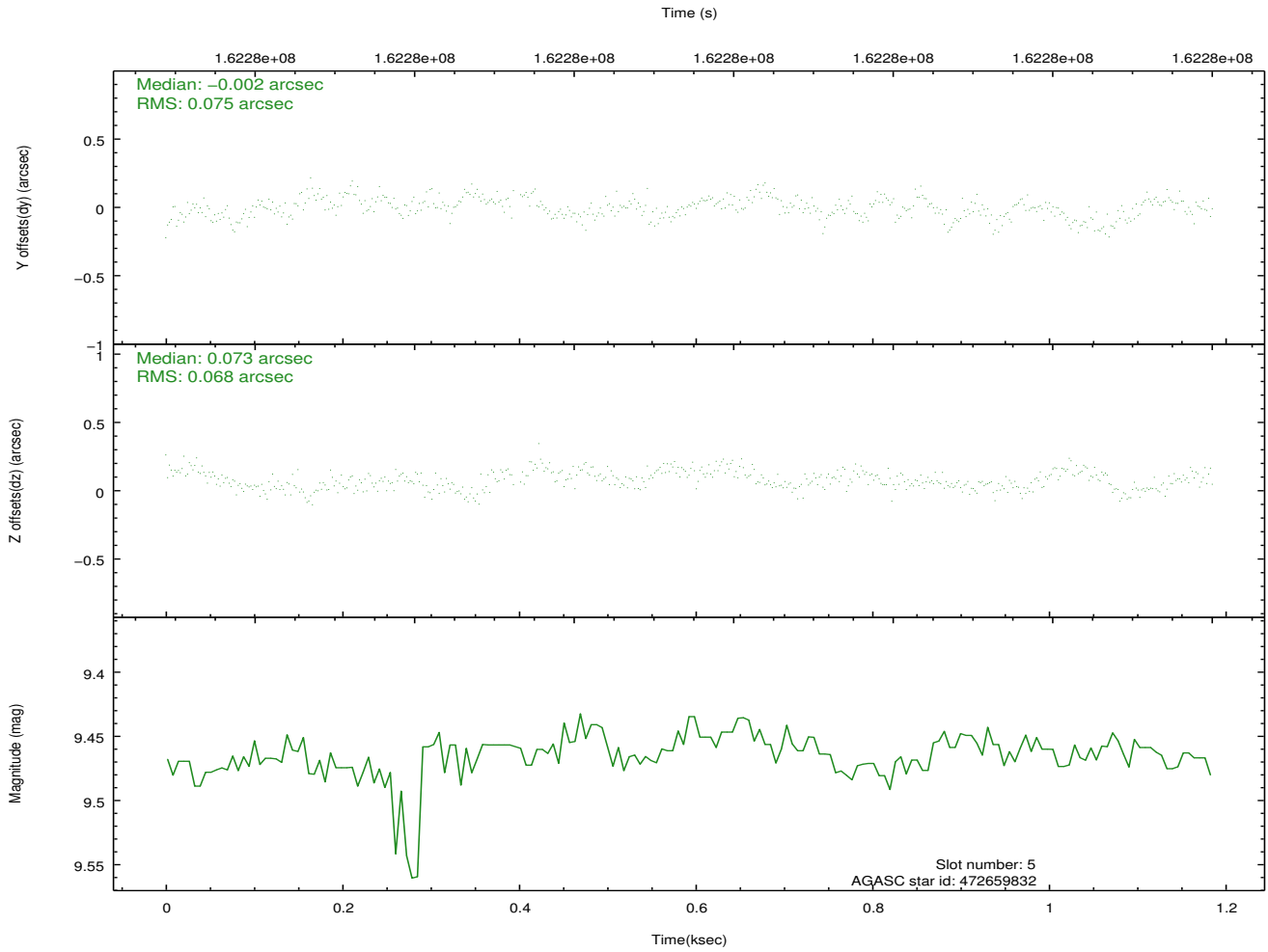
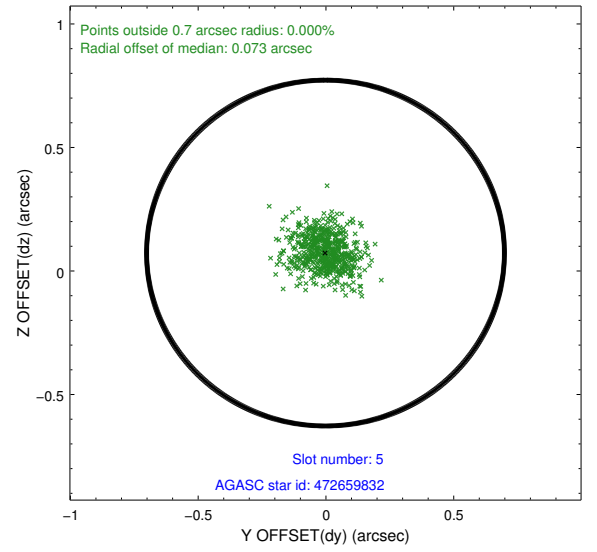
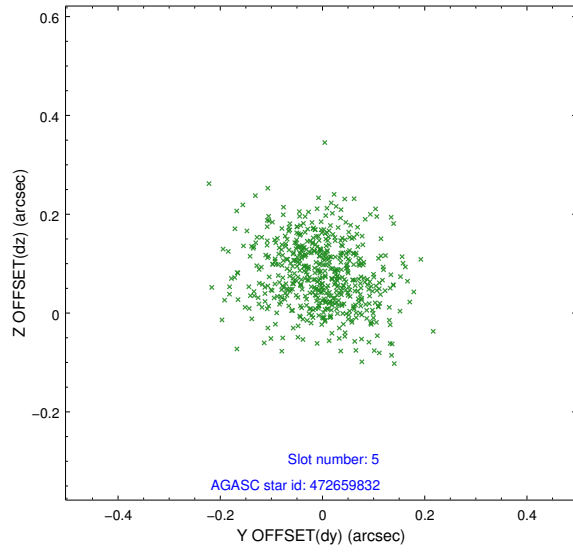
2.4.1 Slot 3



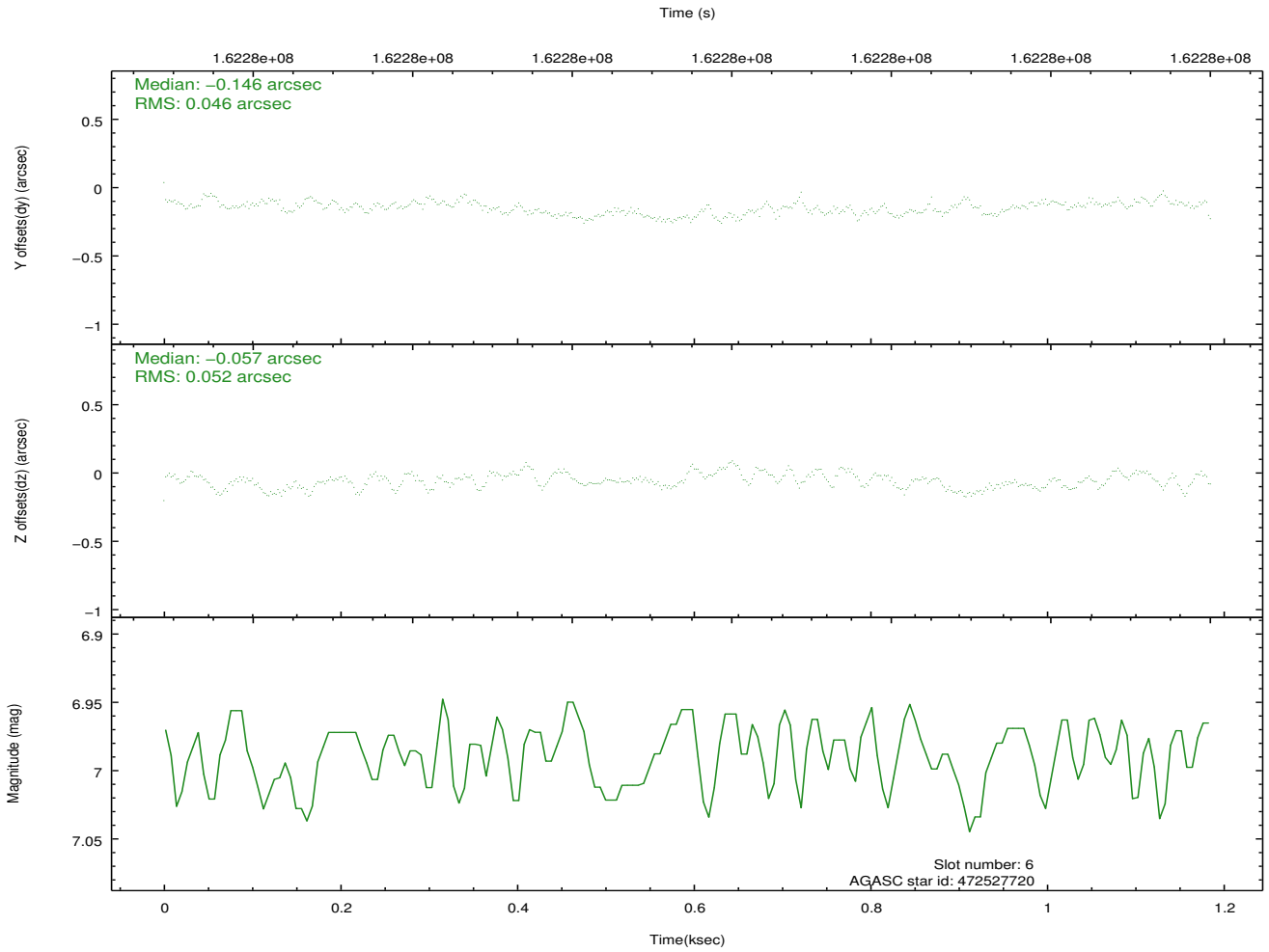
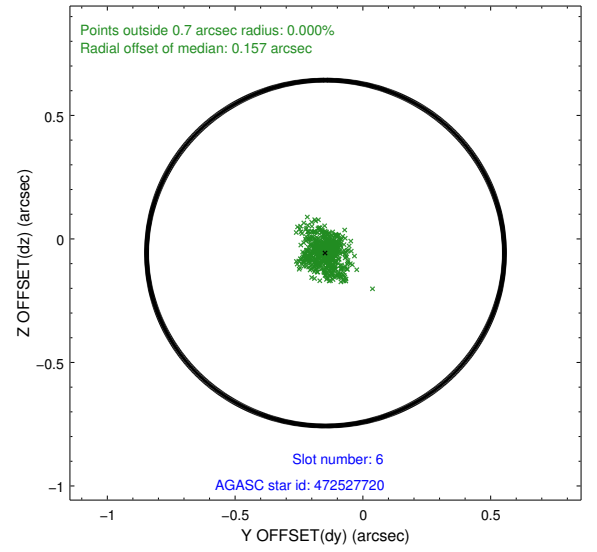
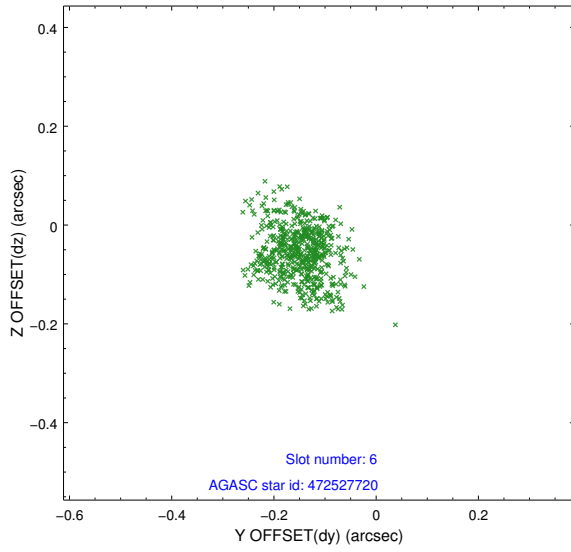
2.4.2 Slot 4



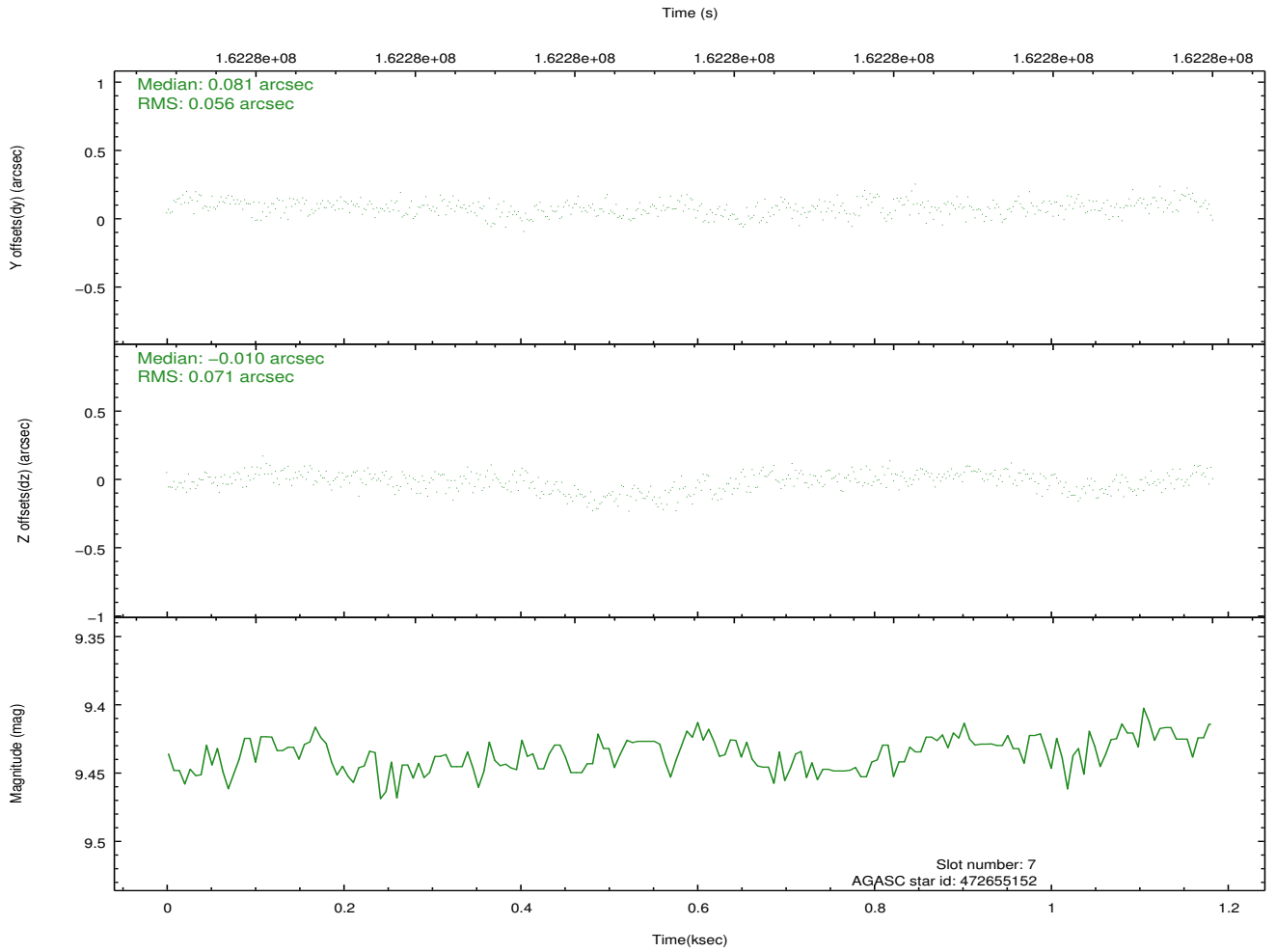
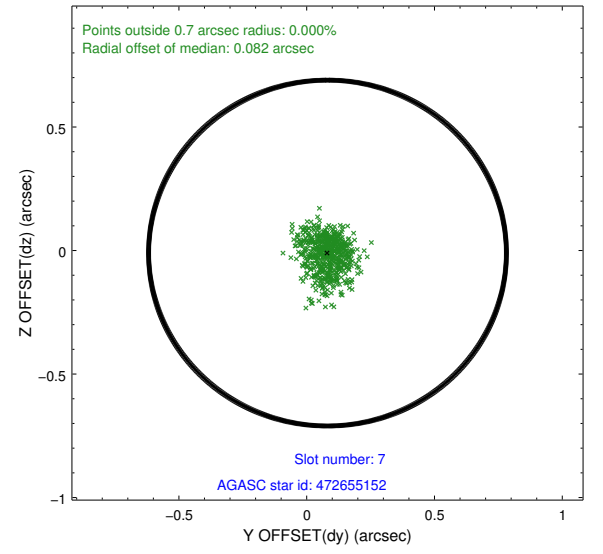
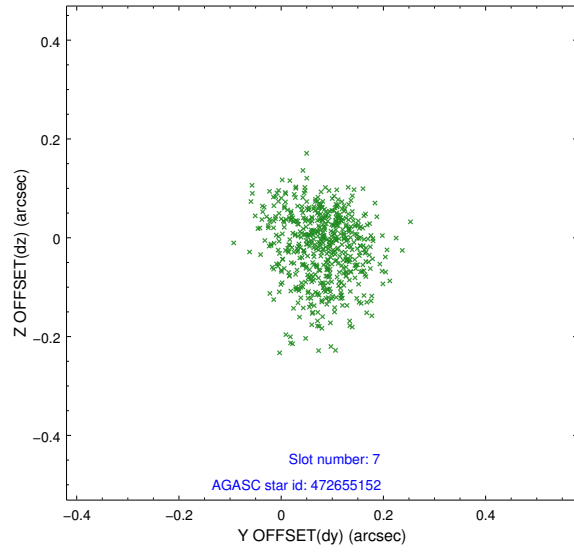
2.4.3 Slot 5



2.4.4 Slot 6

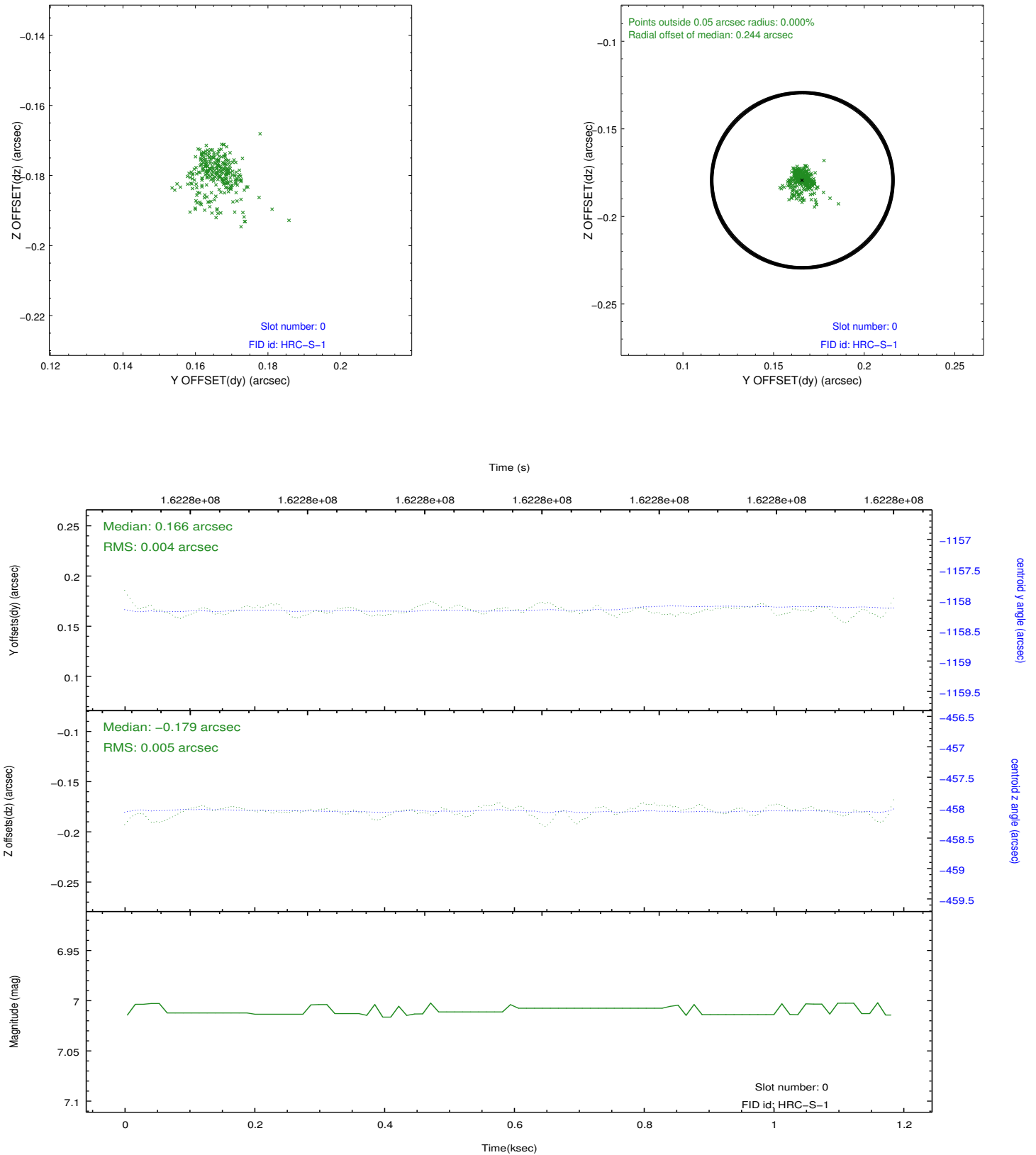


2.4.5 Slot 7

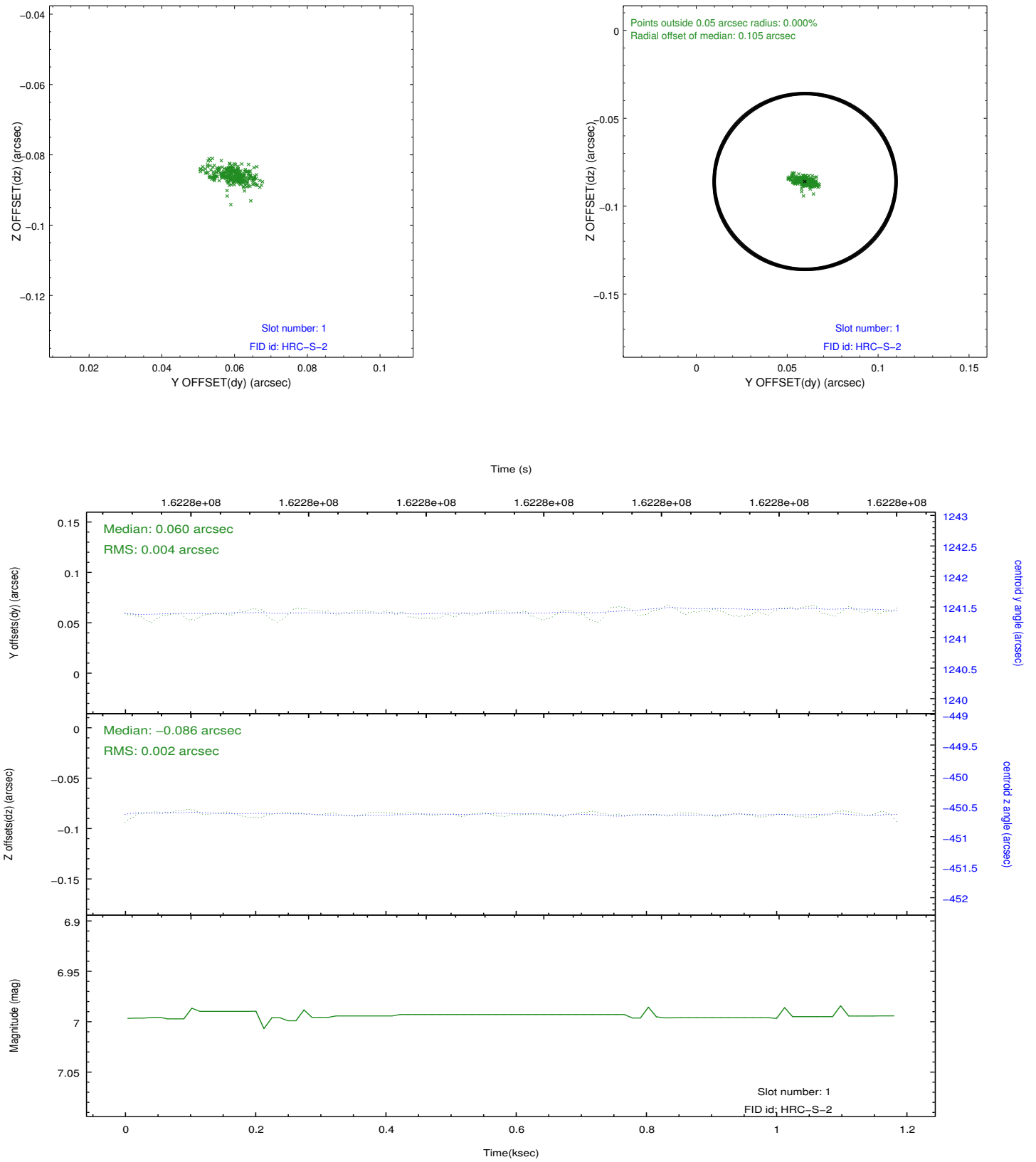


2.5 FID Slots

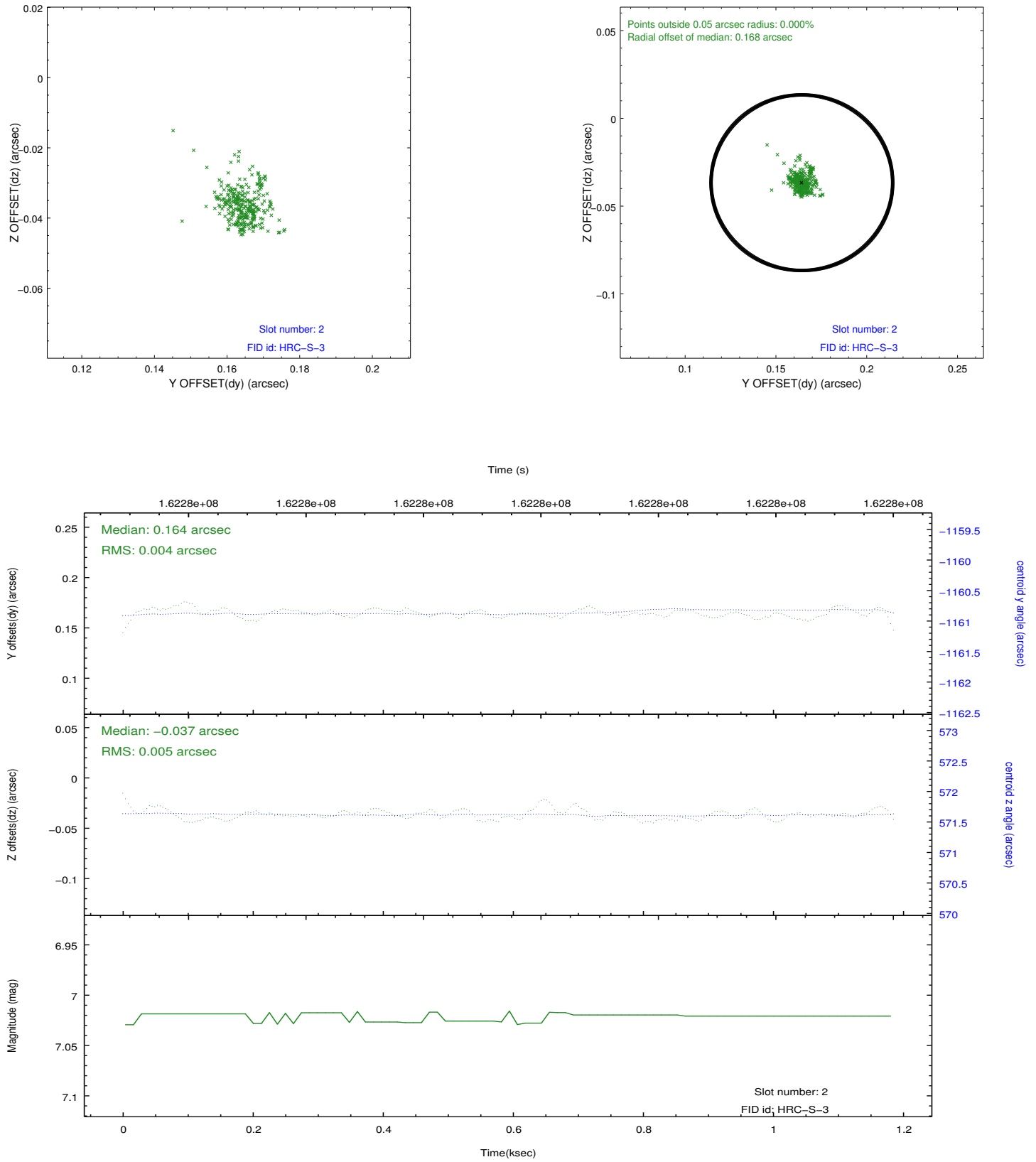
2.5.1 Slot 0



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)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.143

A.2 Comments