

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4350 - L2 Version 3
Chandra X-Ray Center

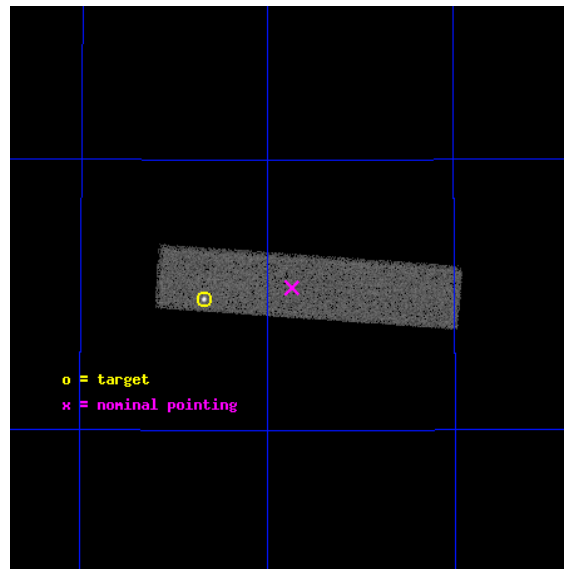
L2 Processing Date : Oct 23 2012

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

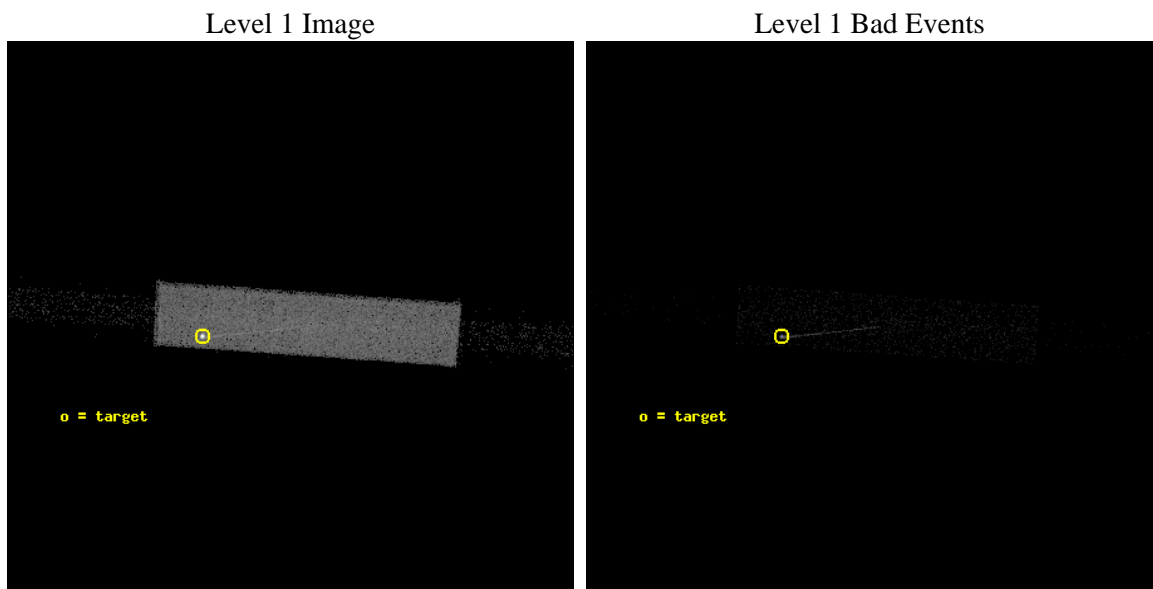
seq_num	290310	Sequence number
obs_id	4350	Observation id
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.93481688407	Nominal RA [deg]
dec_nom	45.763641628818	Nominal Dec [deg]
roll_nom	3.955095155977	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1143.131298095	[s]
livetime	1136.8305184331	Ontime multiplied by DTCOR
l2events	44428	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	72991	Number of level 1 events
date	2012-10-23T09:27:26	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

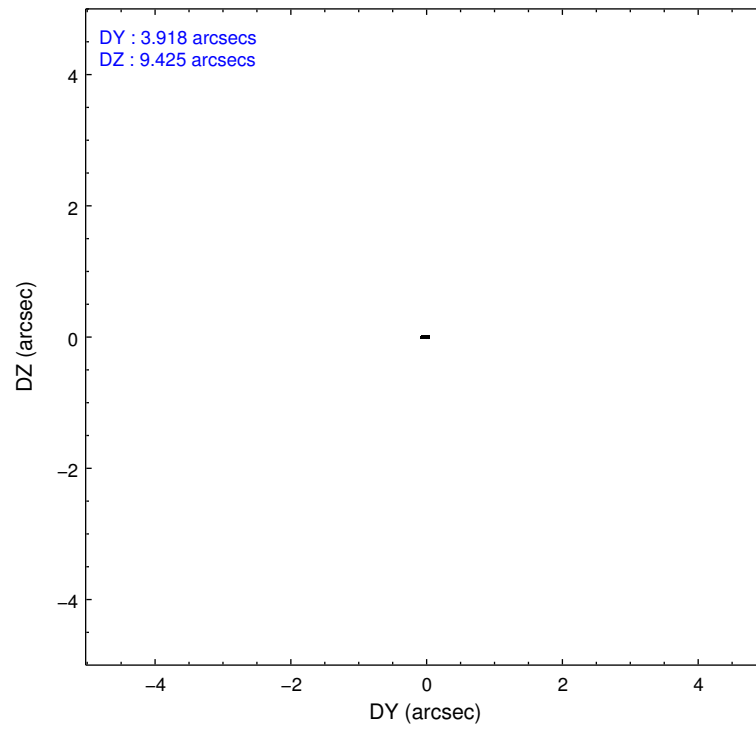
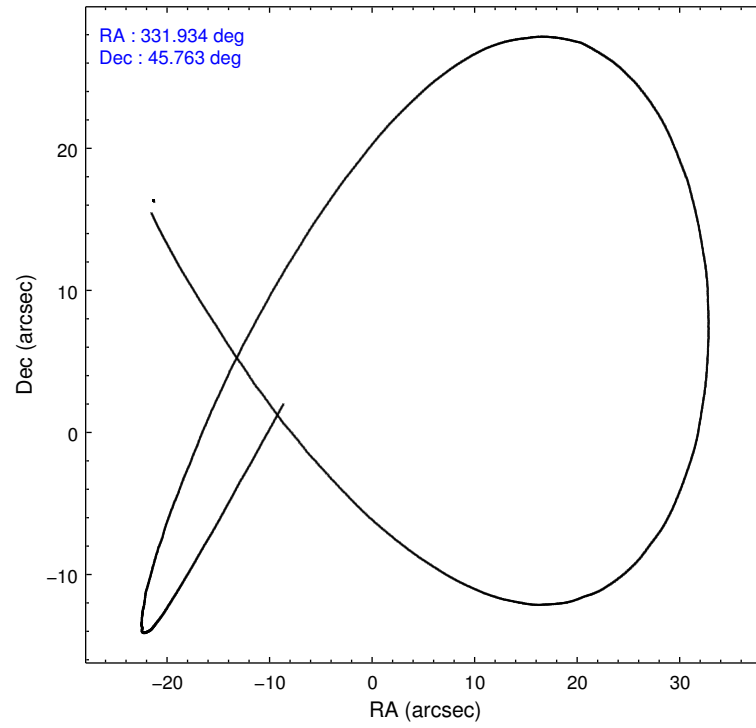
Level 1 Events

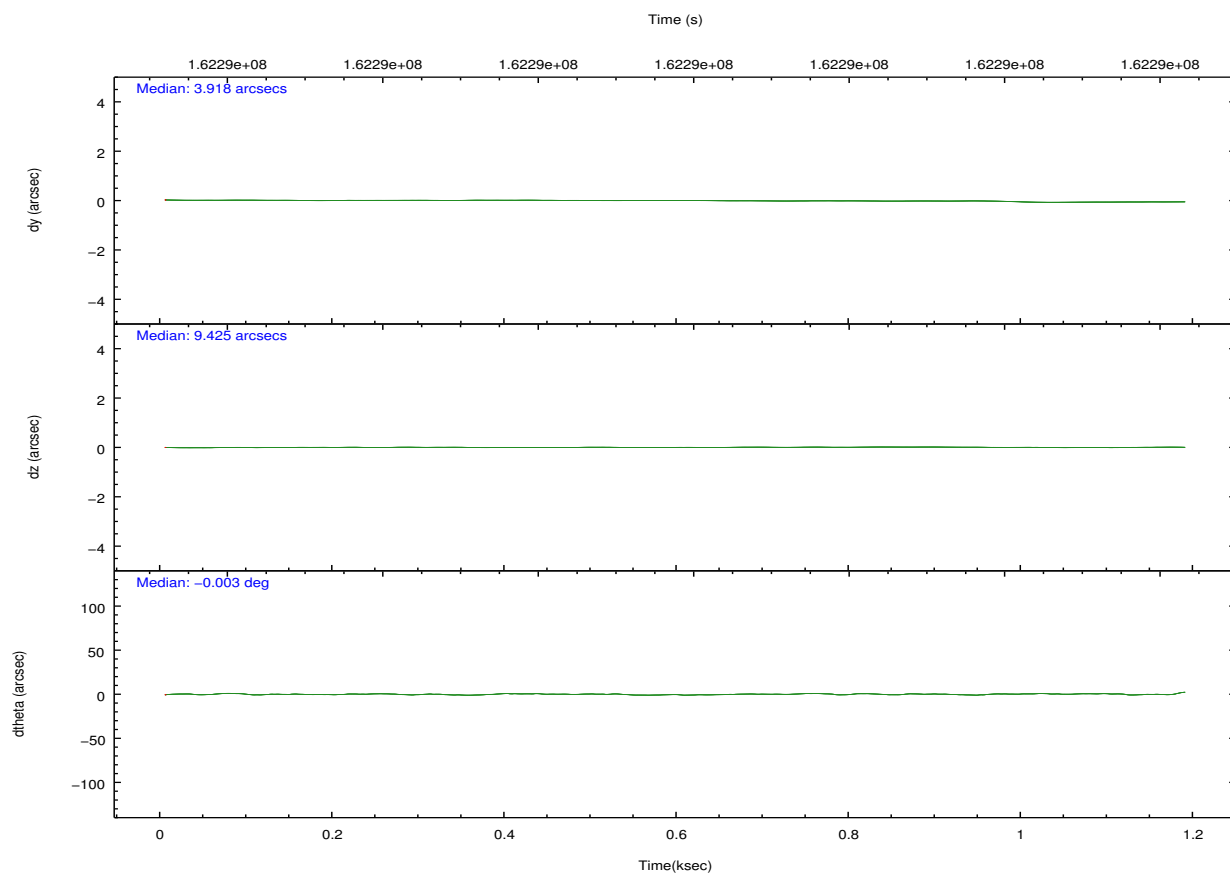
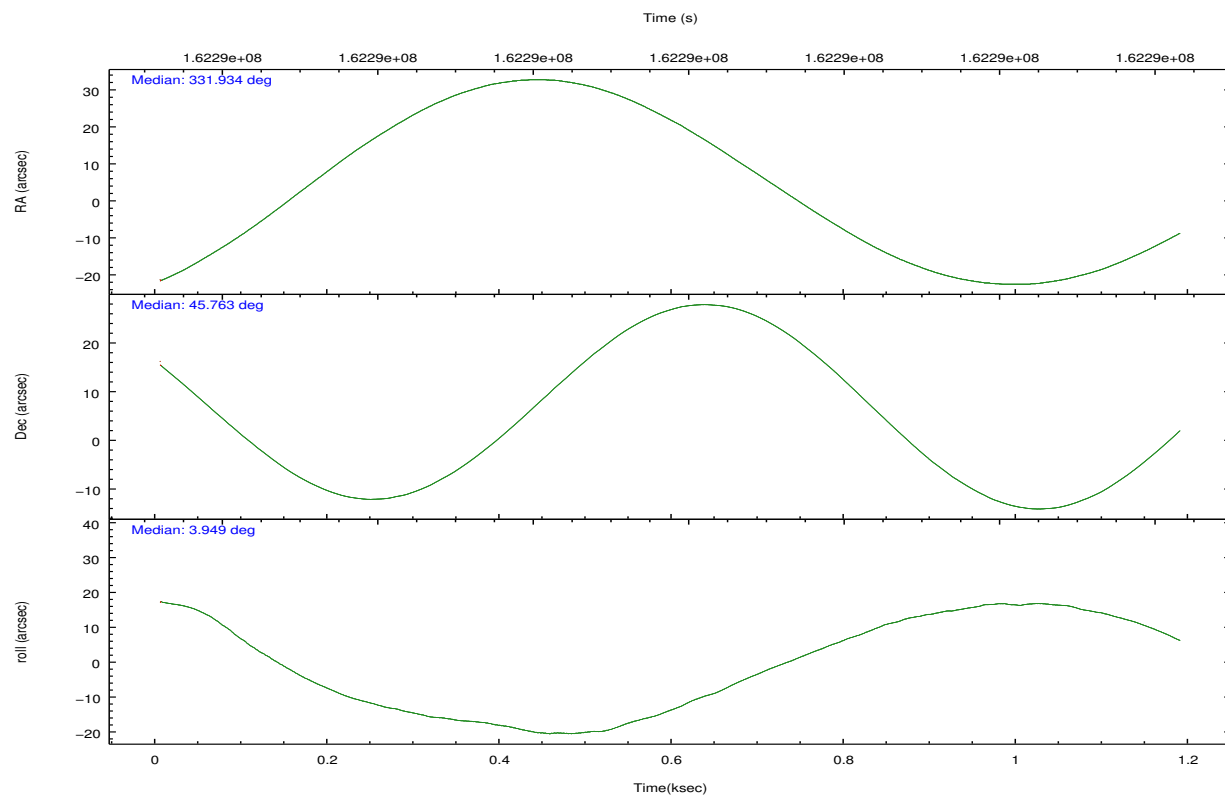
	segment 1	segment 2	segment 3
level 1 events	1139	70731	1121
rejected events	1139	16823	1121
rejected %	100%	23%	100%

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	331.902376	331.9348168840662			
[deg] Pointing Dec	45.747558	45.76364162881826			
[deg] Pointing Roll	3.910971	3.955095155976953			
[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)	162288975.184000	162288599.36935			
Observation start date	2003-02-22T08:15:11	2003-02-22T08:09:59			
[s] Observation end time (MET)	162289975.184000	162290109.70691			
Observation end date	2003-02-22T08:31:51	2003-02-22T08:35:09			

2.3 Aspect



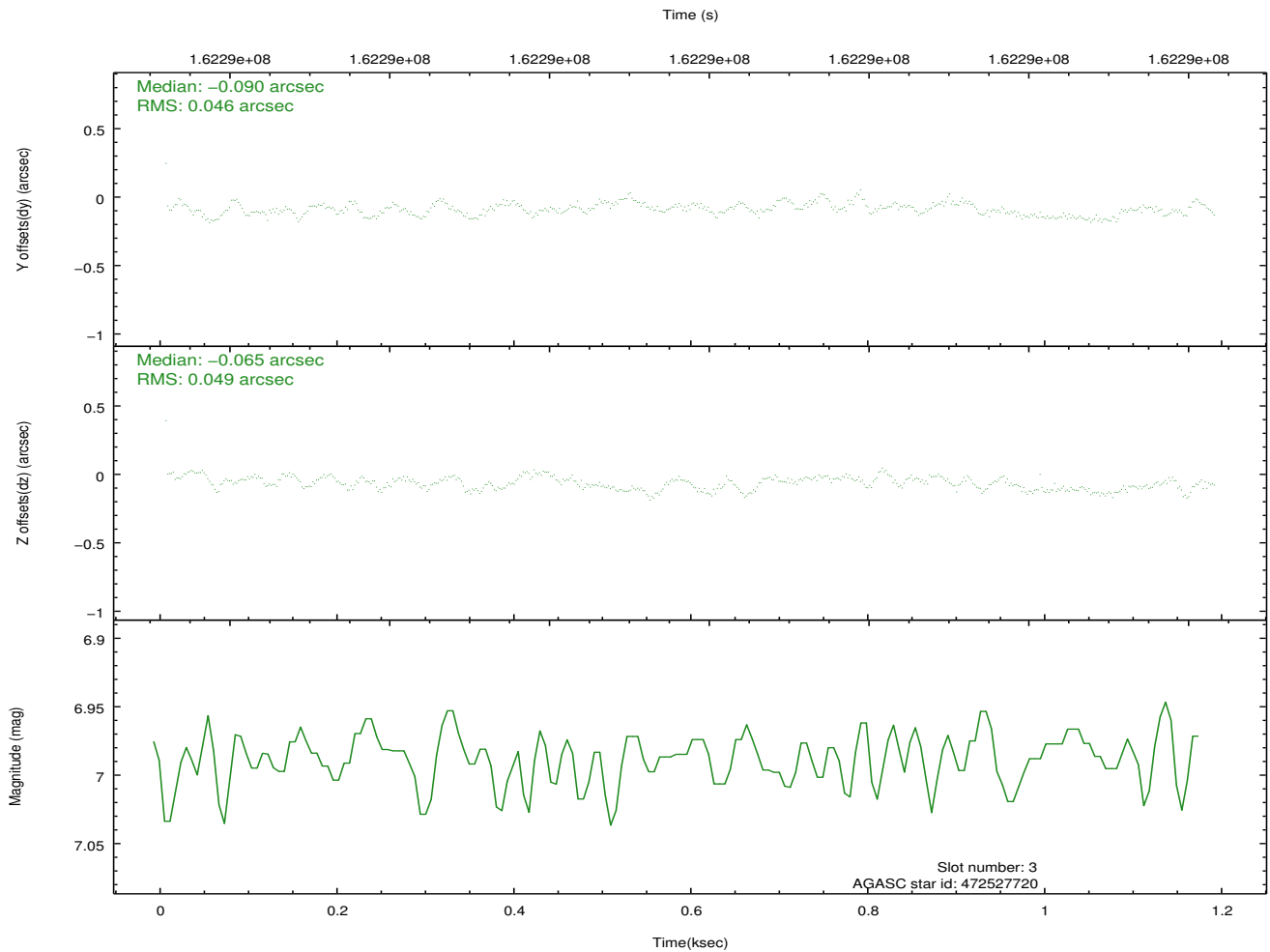
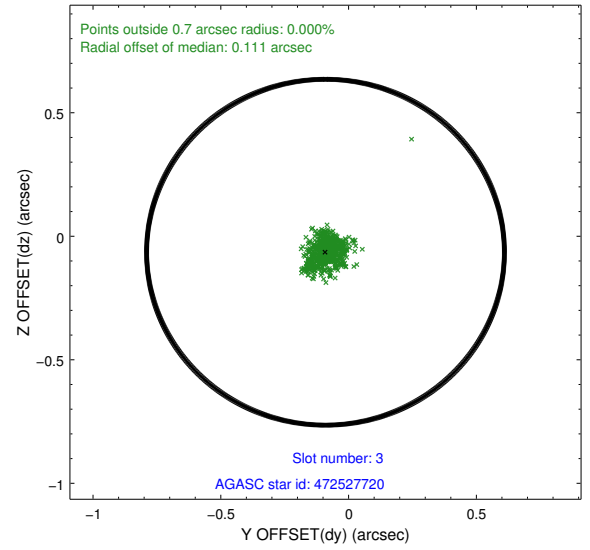
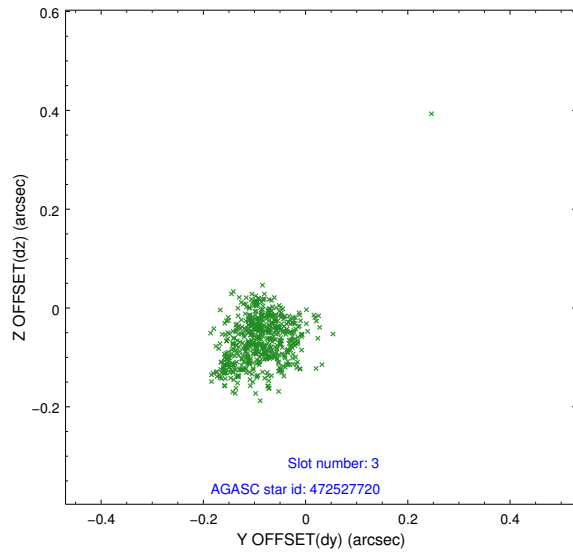


Slot Statistics

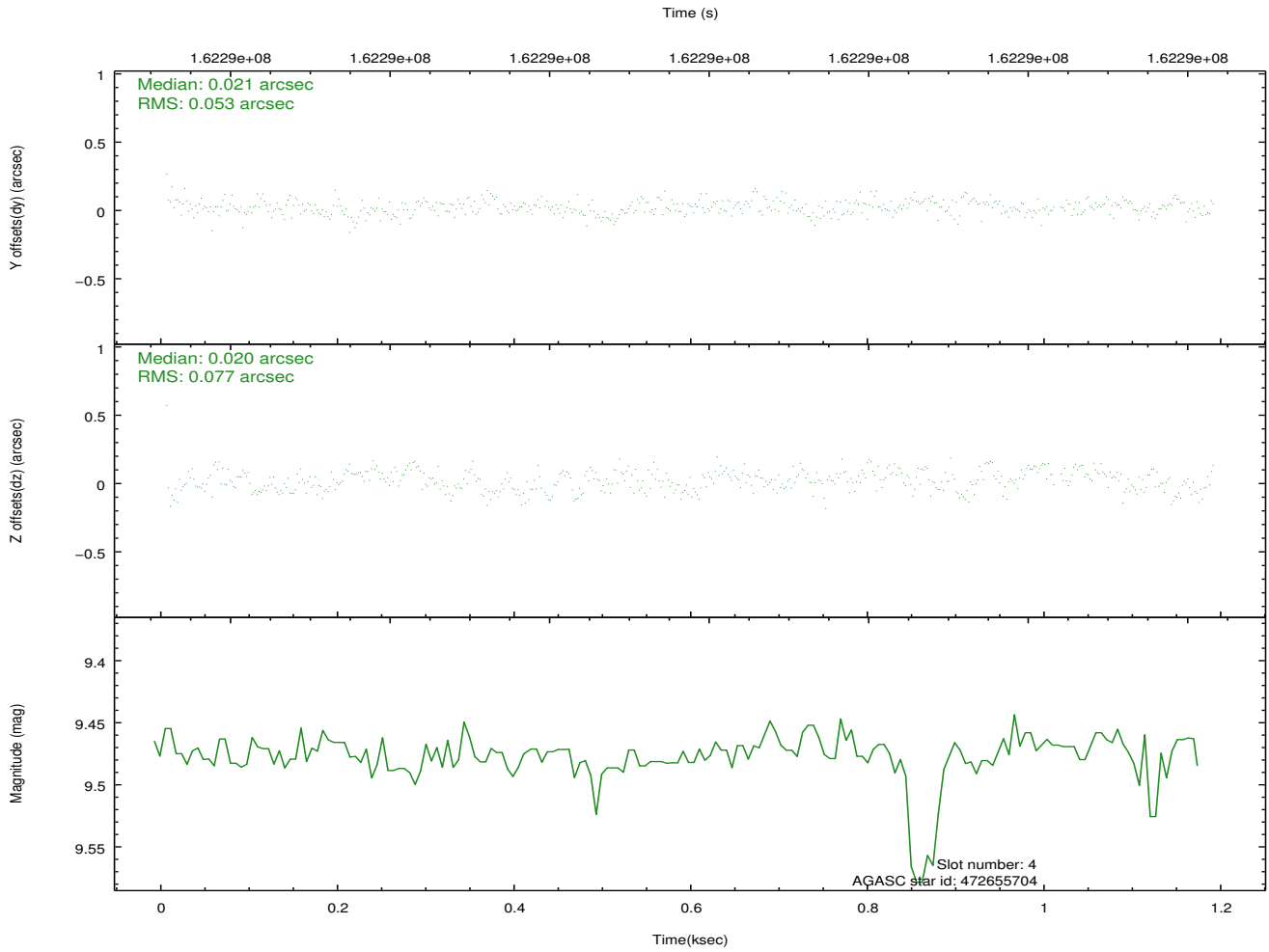
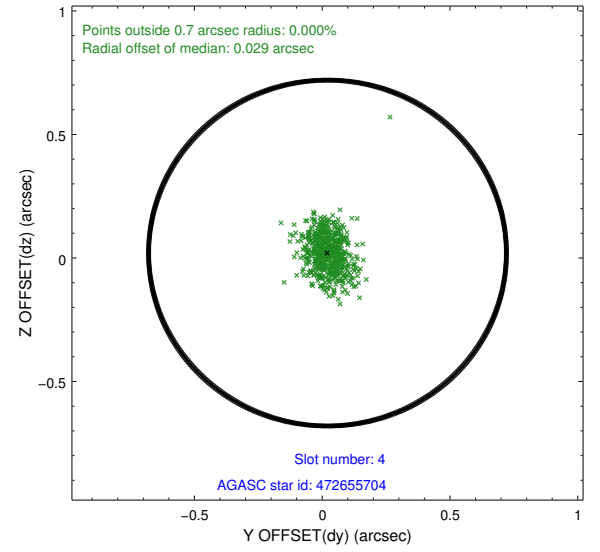
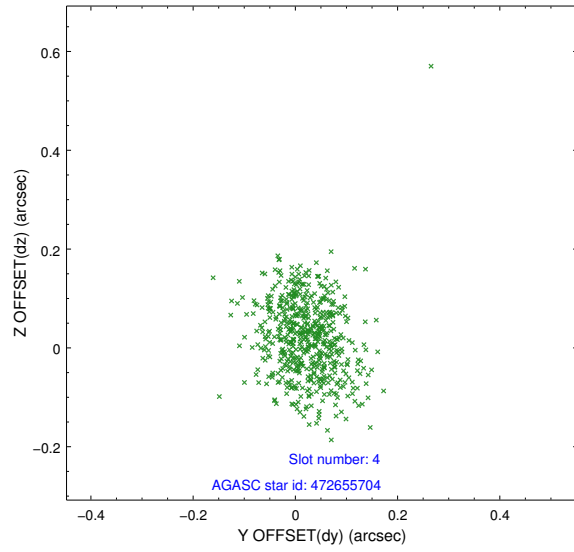
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	290	0.156	-0.183	0.006	0.010	0.000000	0.000000	-1157.95	-458.09
1	FID	HRC-S-2	6.99	290	0.082	-0.091	0.004	0.007	0.000000	0.000000	1237.67	-452.25
2	FID	HRC-S-3	7.02	290	0.153	-0.028	0.006	0.010	0.000000	0.000000	-1156.39	570.03
3	GUIDE	472527720	6.99	579	-0.090	-0.065	0.070	0.107	331.460205	45.112509	-1275.10	-2197.44
4	GUIDE	472655704	9.48	575	0.021	0.020	0.096	0.154	332.167195	45.285228	554.99	-1705.04
5	GUIDE	472659832	9.48	579	0.036	0.065	0.094	0.149	332.780399	46.098139	2275.79	1123.04
6	GUIDE	472535400	8.82	578	-0.057	-0.012	0.112	0.171	331.047001	46.353888	-1965.91	2339.72
7	GUIDE	472533912	9.18	578	0.087	-0.002	0.114	0.187	331.791136	46.368695	-125.46	2257.90

2.4 Star Slots

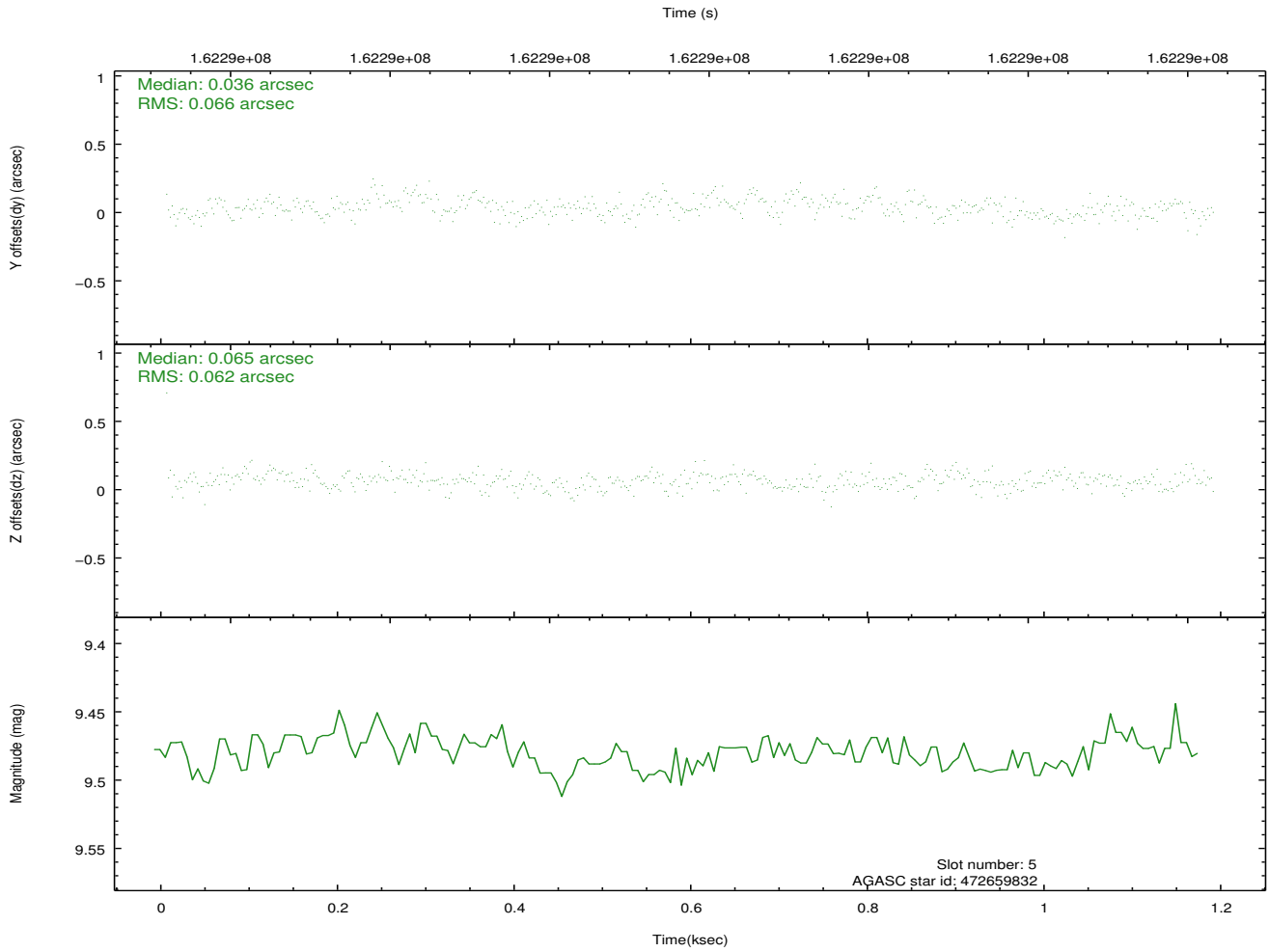
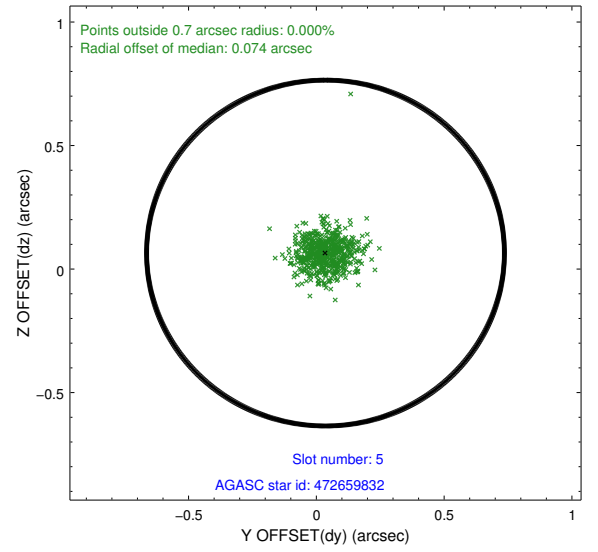
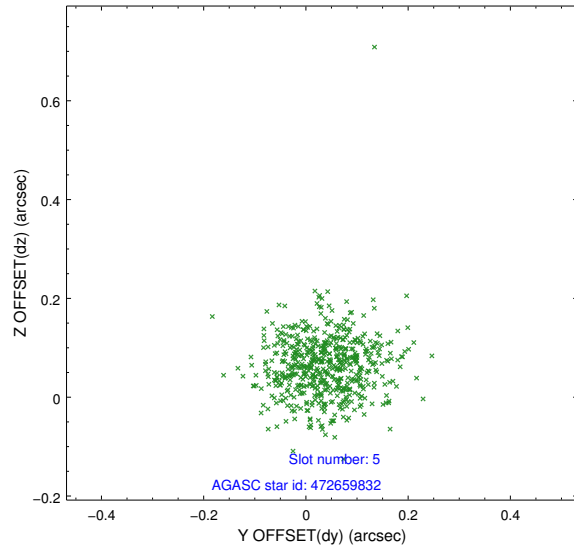
2.4.1 Slot 3



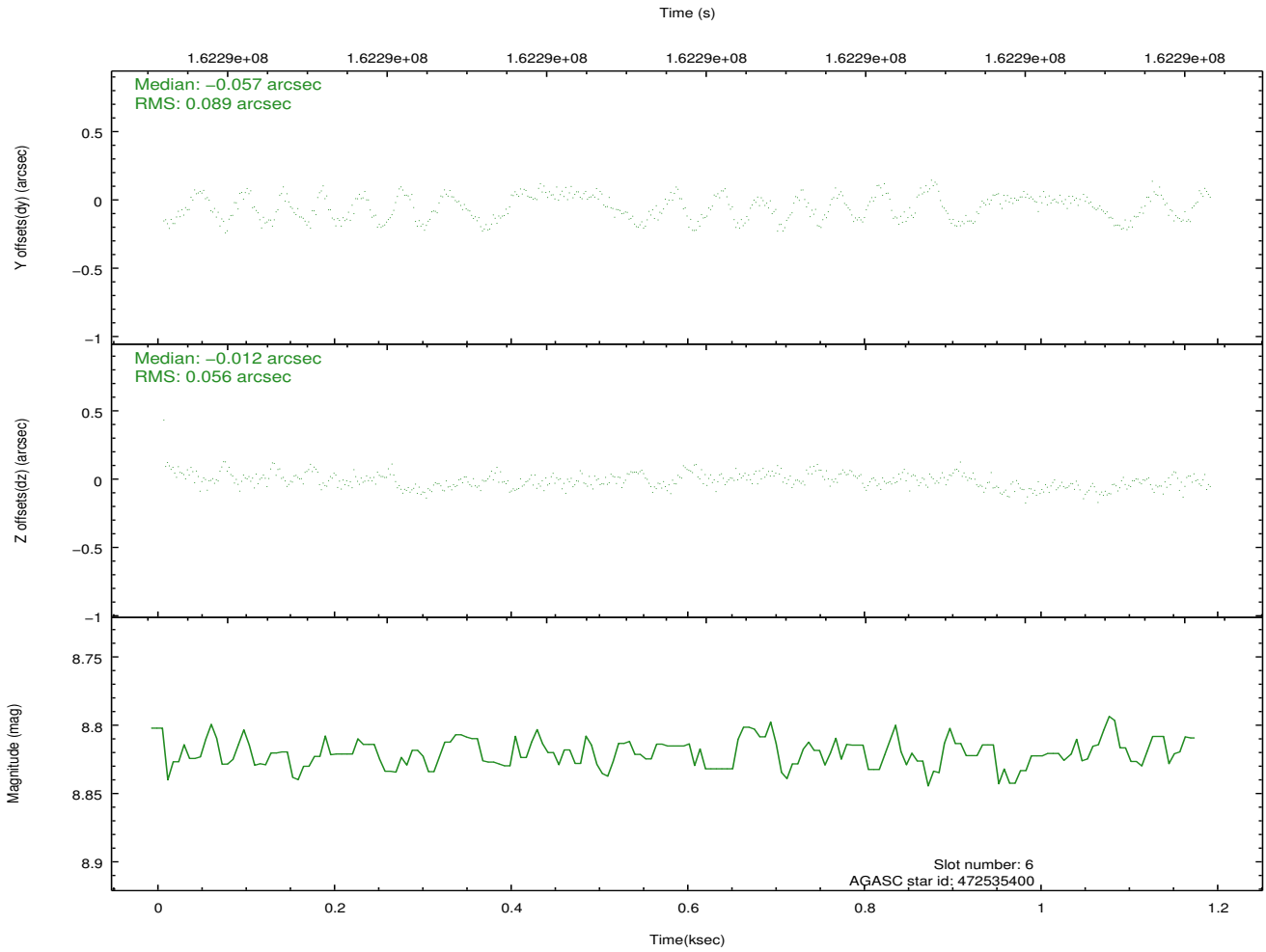
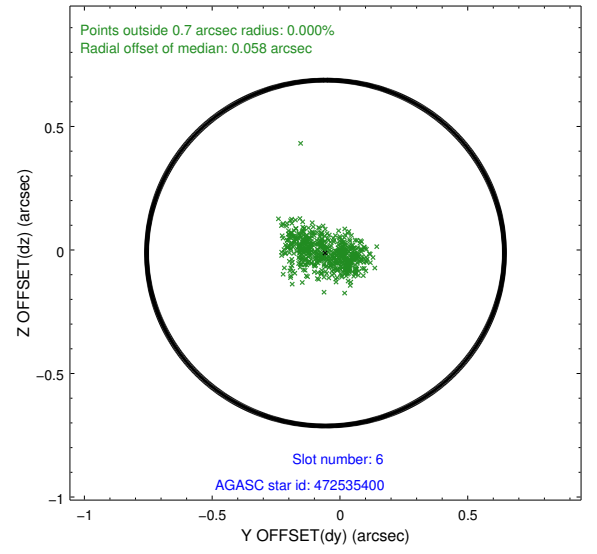
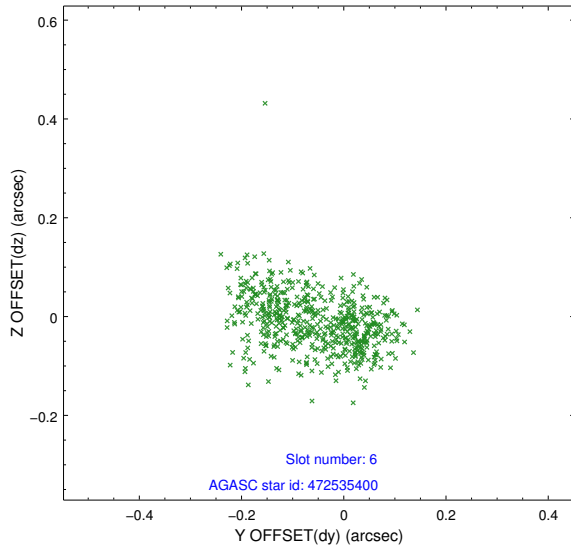
2.4.2 Slot 4



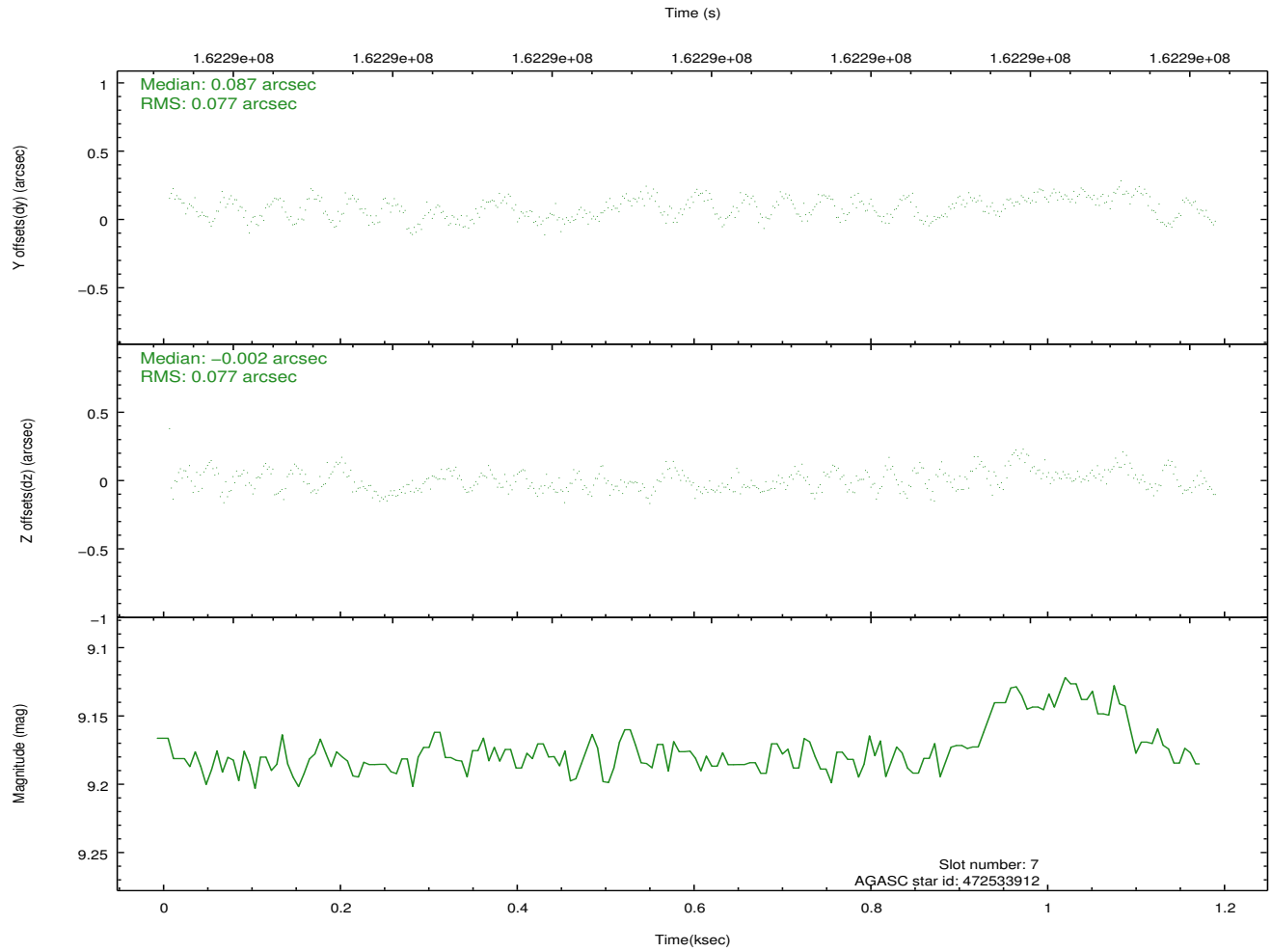
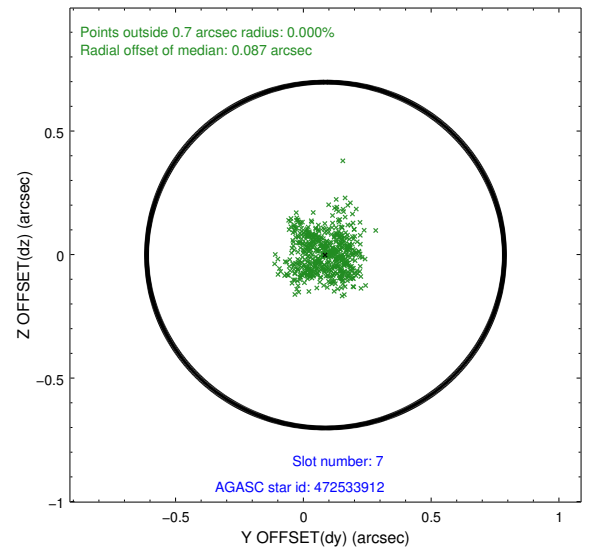
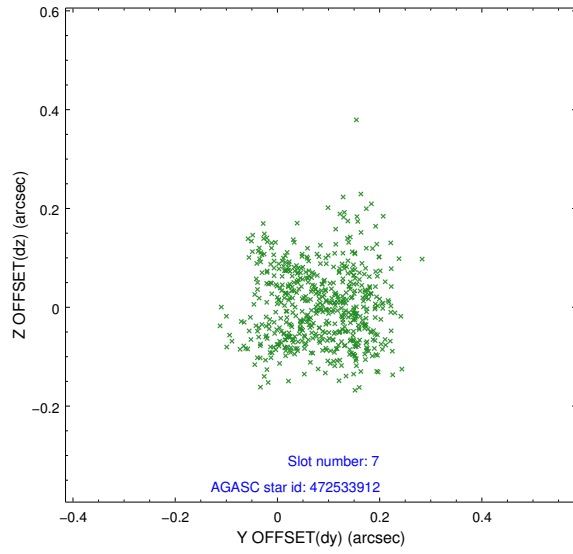
2.4.3 Slot 5



2.4.4 Slot 6

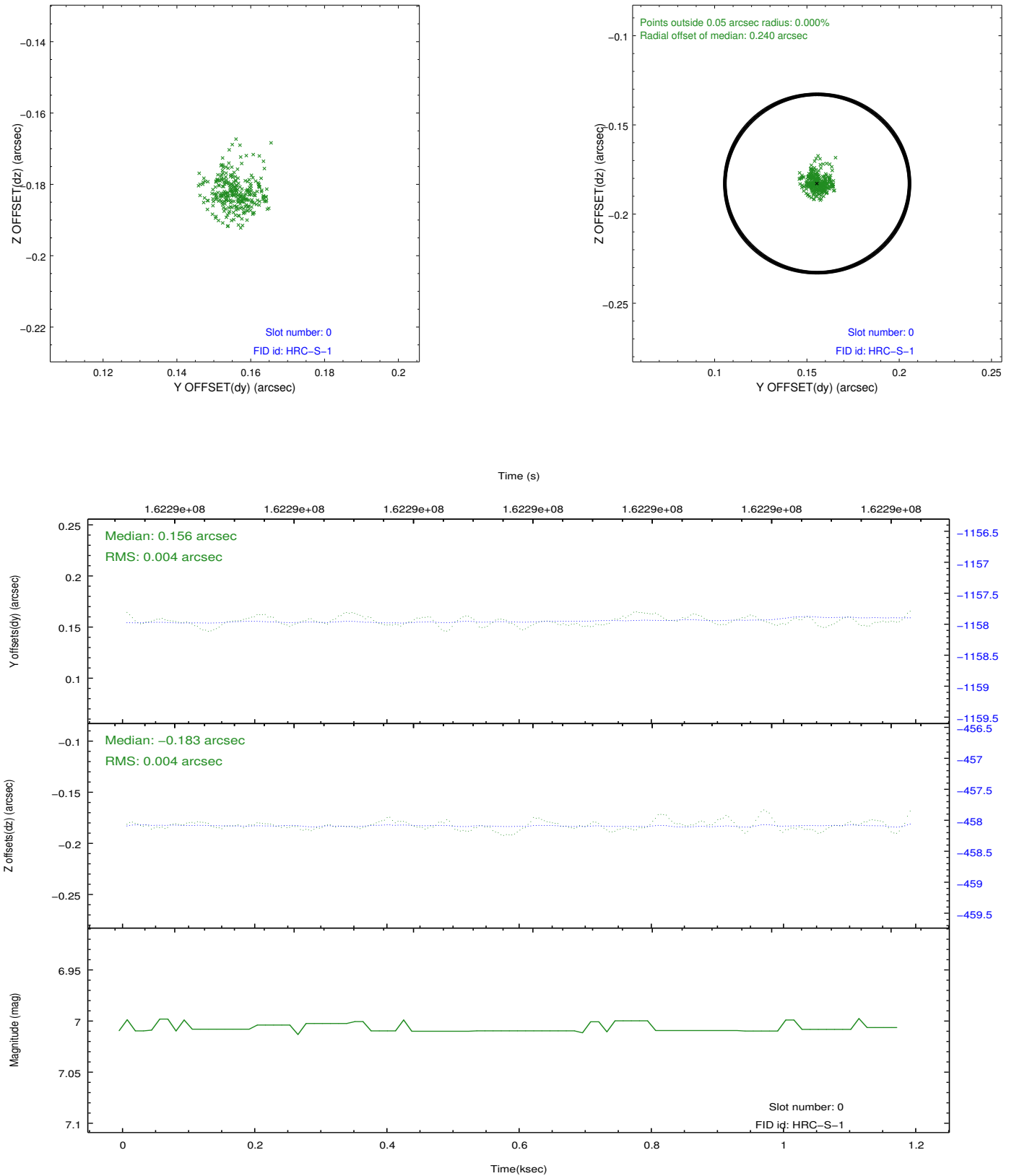


2.4.5 Slot 7

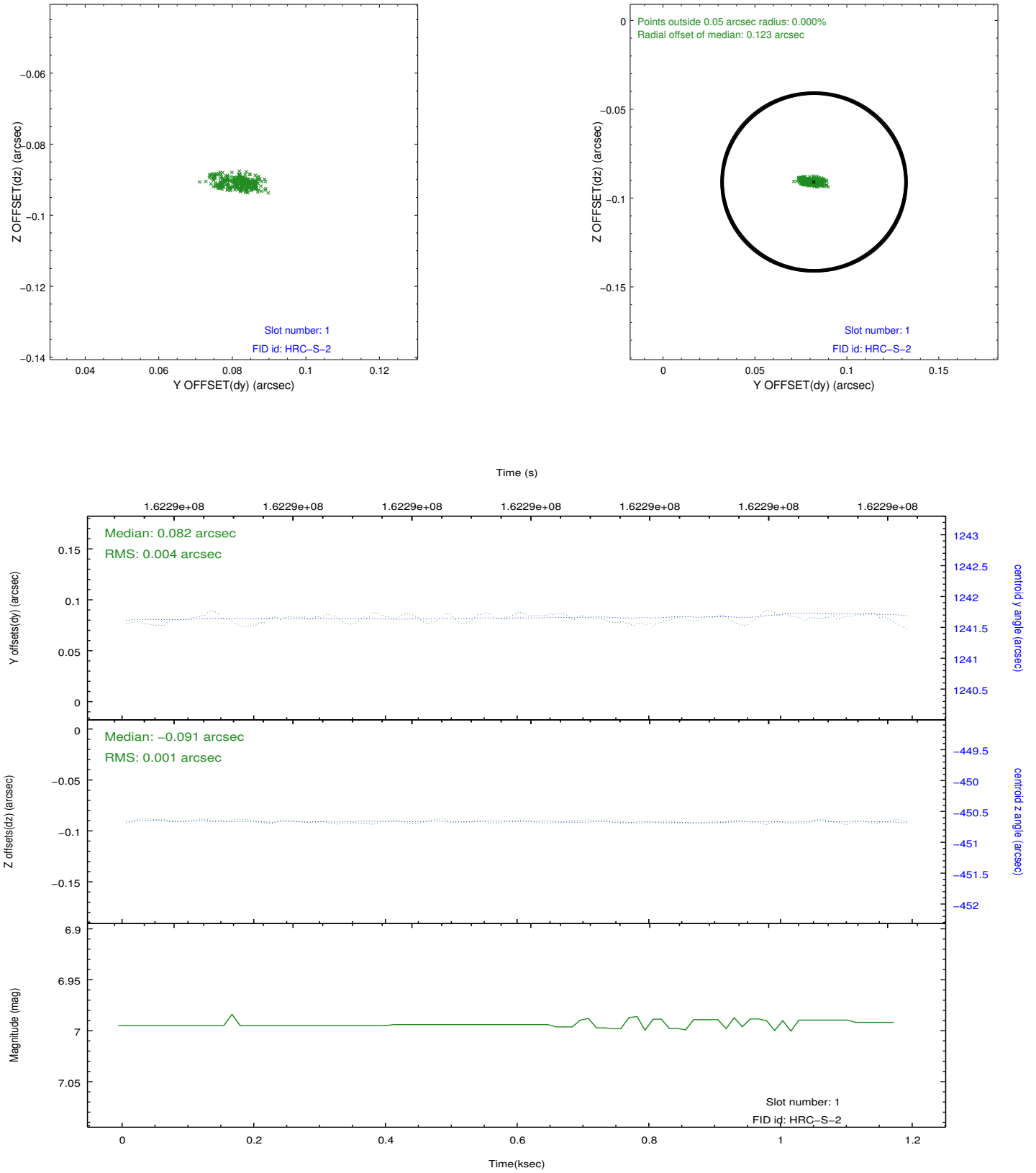


2.5 FID Slots

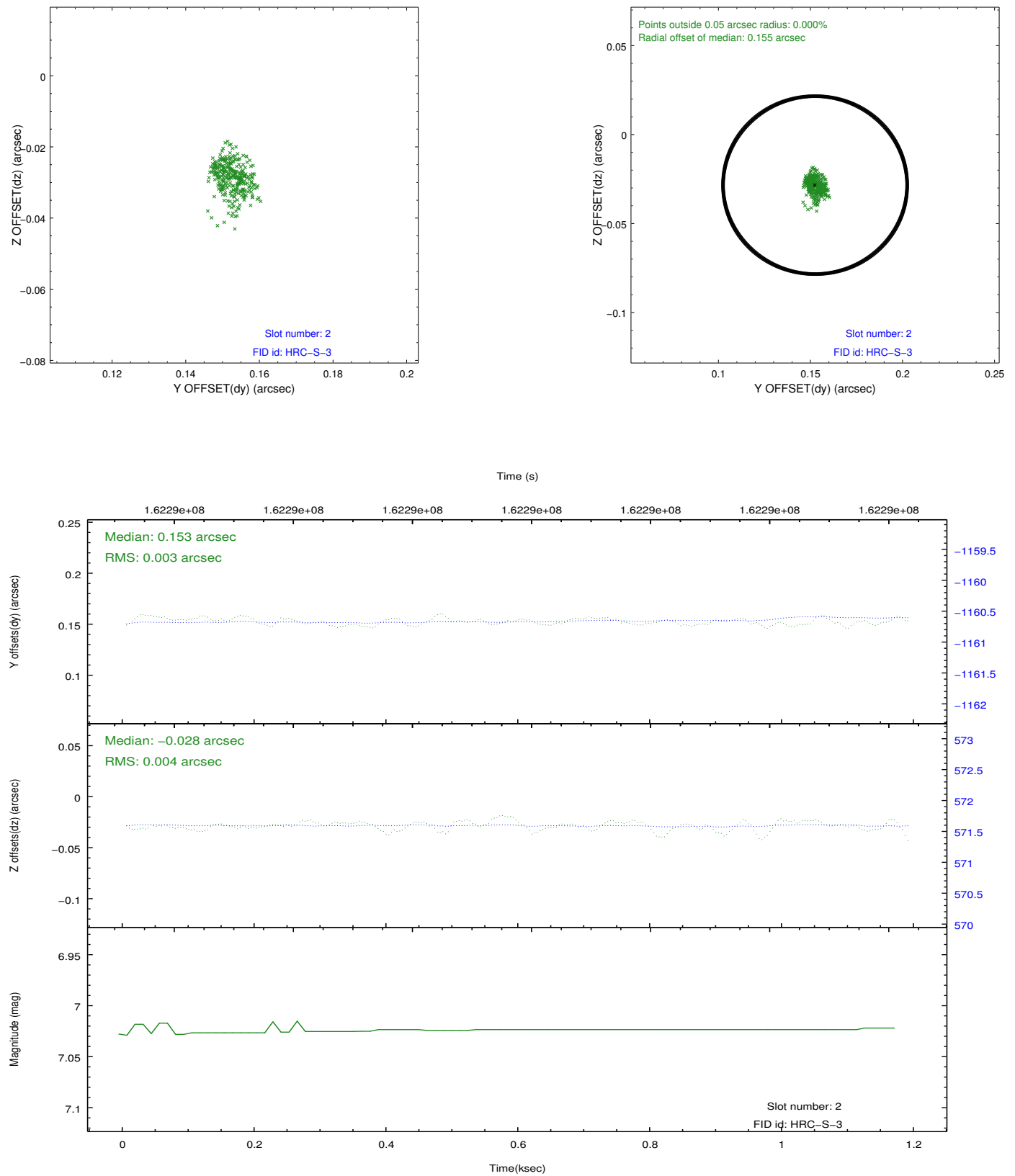
2.5.1 Slot 0



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

A.2 Comments