

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2434 - L2 Version 5
Chandra X-Ray Center

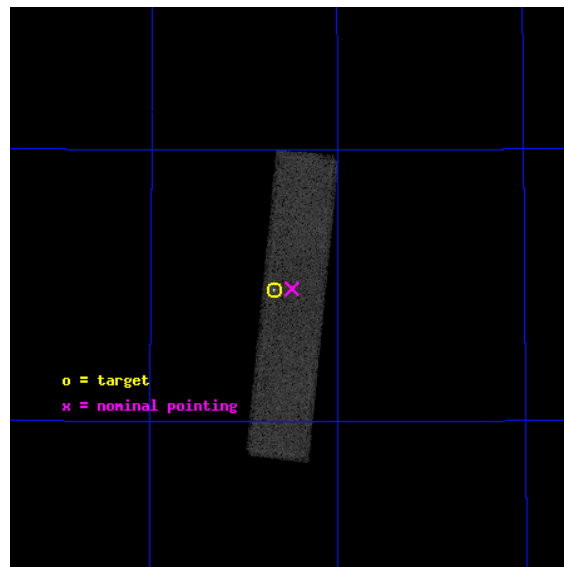
L2 Processing Date : Sep 18 2012

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

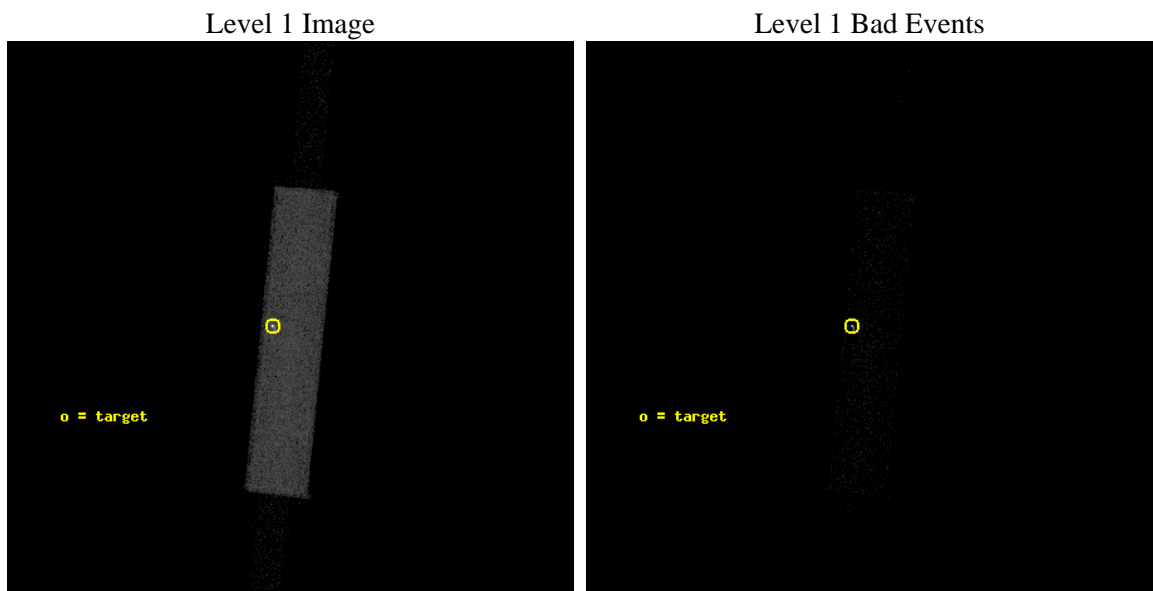
seq_num	290078	Sequence number
obs_id	2434	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12200264828	Nominal RA [deg]
dec_nom	45.744576034118	Nominal Dec [deg]
roll_nom	95.67071909443	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1366.581303075	[s]
livetime	1358.2194329086	Ontime multiplied by DTCOR
l2events	59210	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	1234.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1366.581303075	[s]
caldbver	4.5.1.1	 	l1events	89505	Number of level 1 events
date	2012-09-18T22:54:32	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

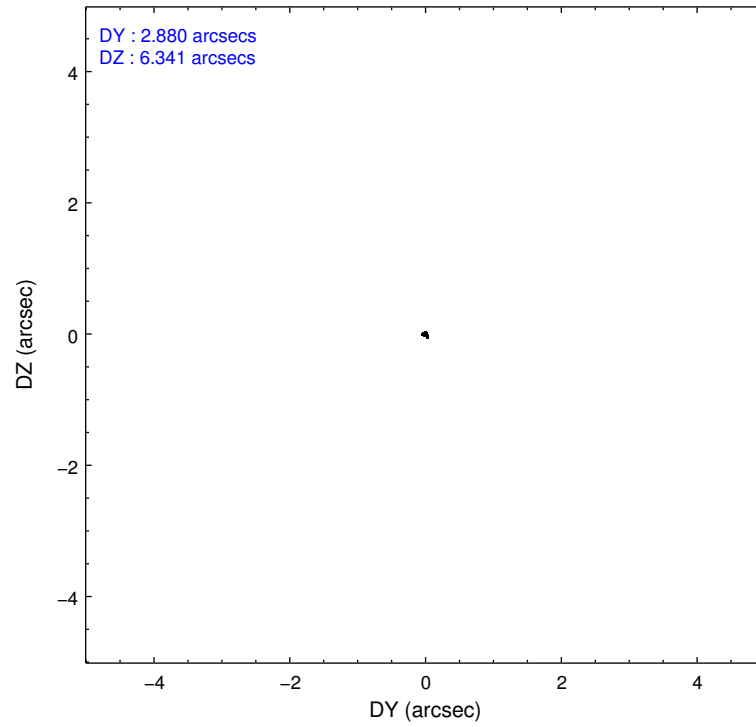
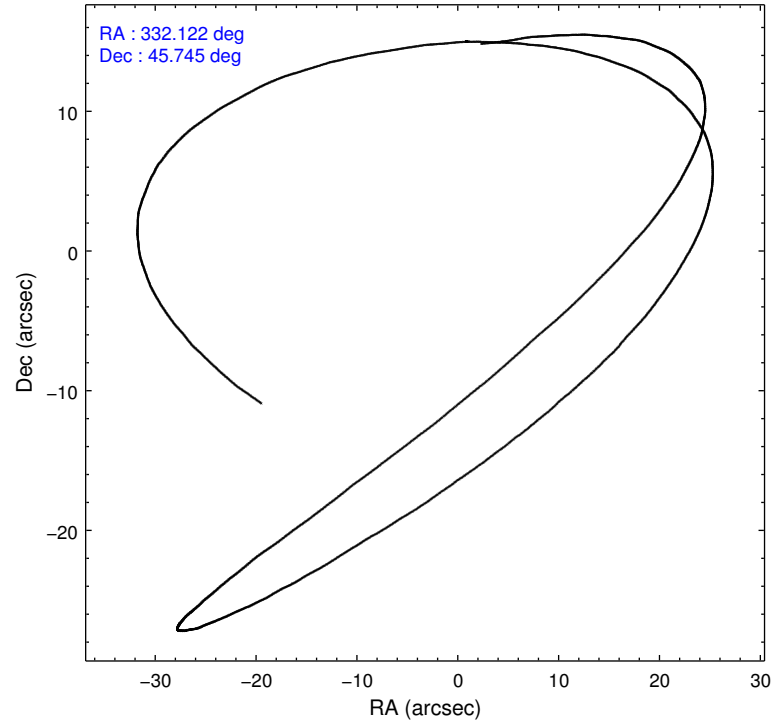
Level 1 Events

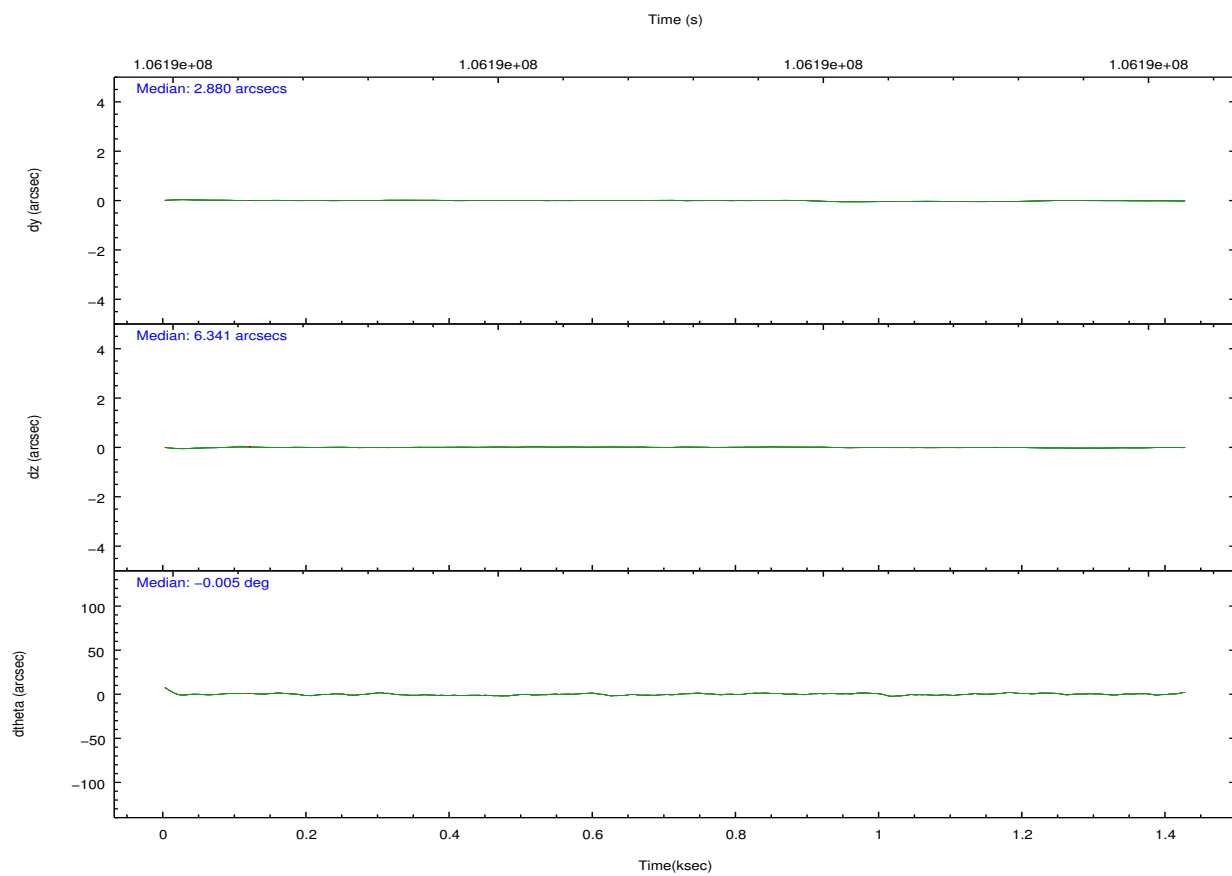
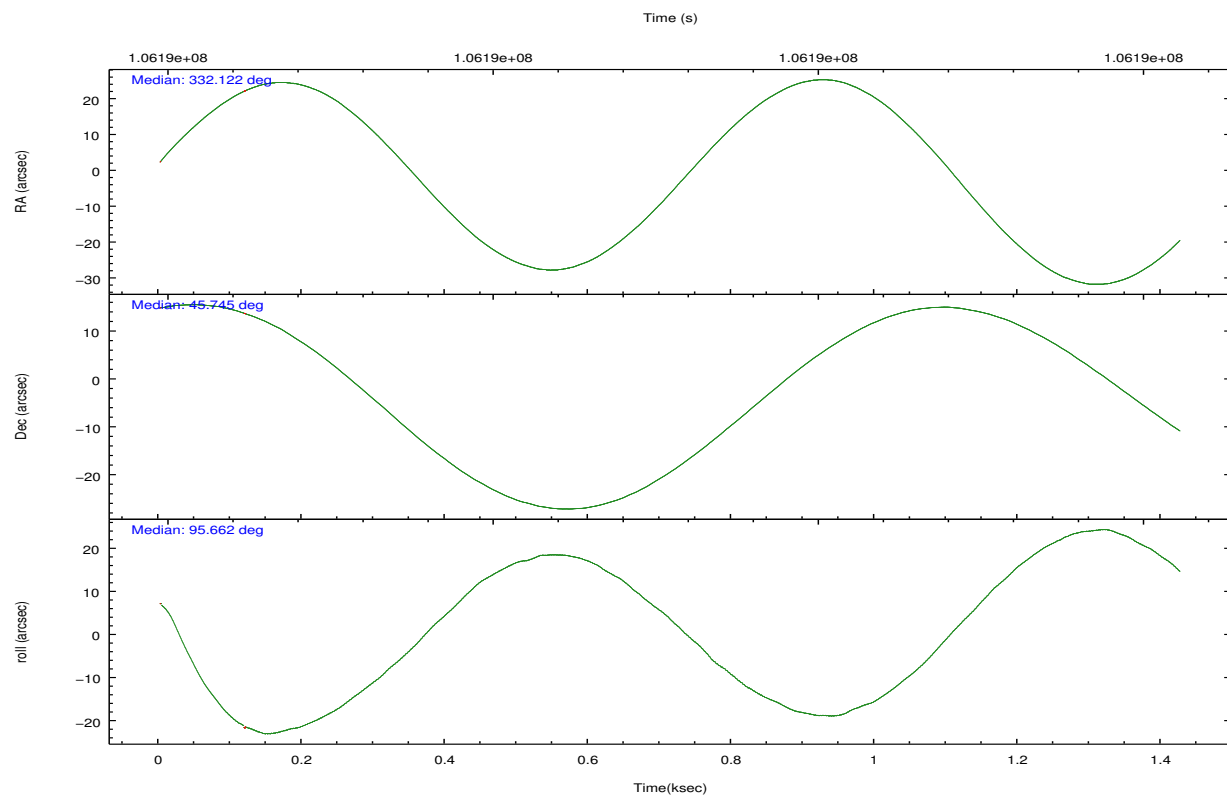
	segment 1	segment 2	segment 3
level 1 events	1291	87036	1178
rejected events	1291	16069	1178
rejected %	100%	18%	100%

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	332.147508	332.1220026482839			
[deg] Pointing Dec	45.721341	45.74457603411818			
[deg] Pointing Roll	95.585059	95.67071909442993			
[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)	106191755.184000	106191378.75782			
Observation start date	2001-05-14T01:41:31	2001-05-14T01:36:18			
[s] Observation end time (MET)	106192989.184000	106193122.79539			
Observation end date	2001-05-14T02:02:05	2001-05-14T02:05:22			

2.3 Aspect



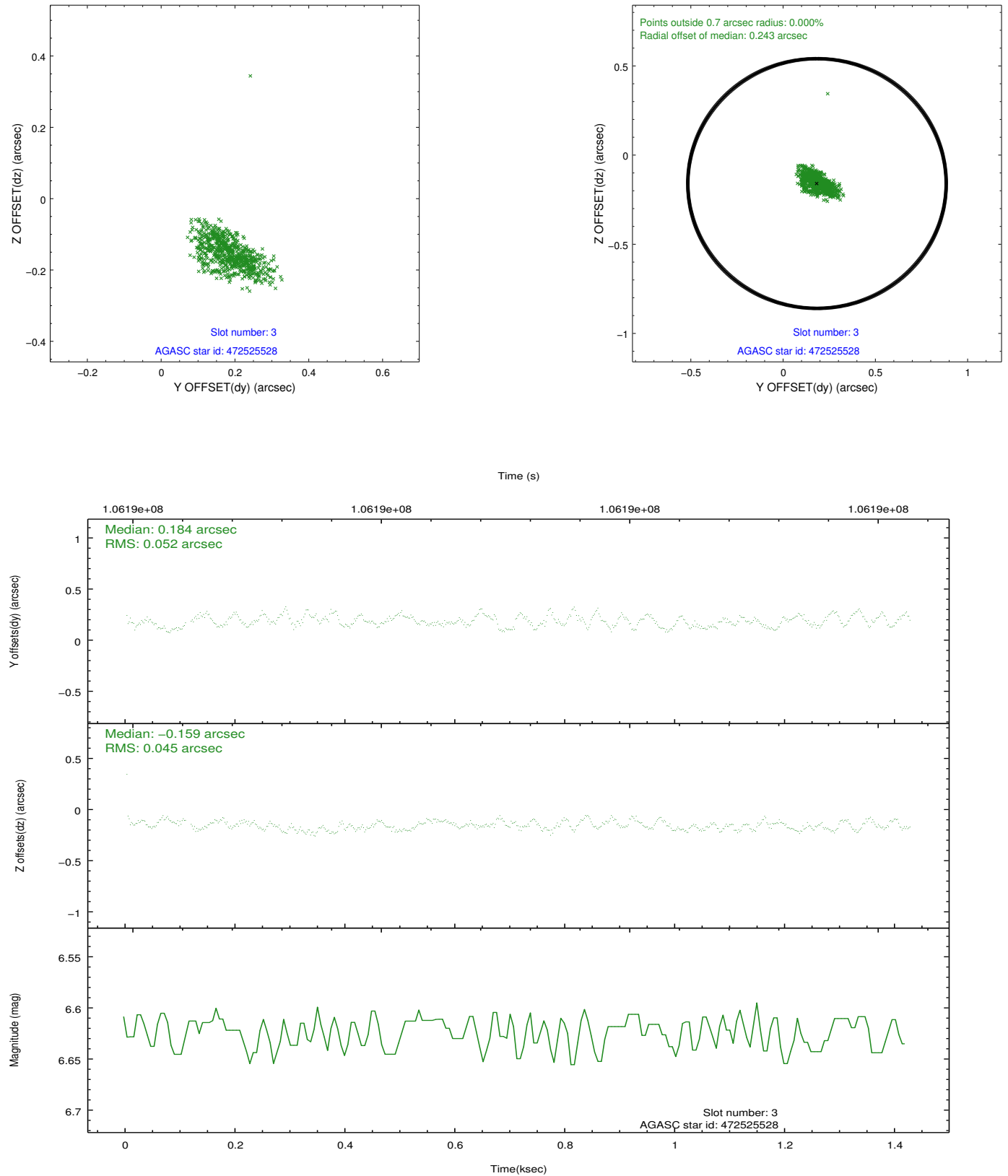


Slot Statistics

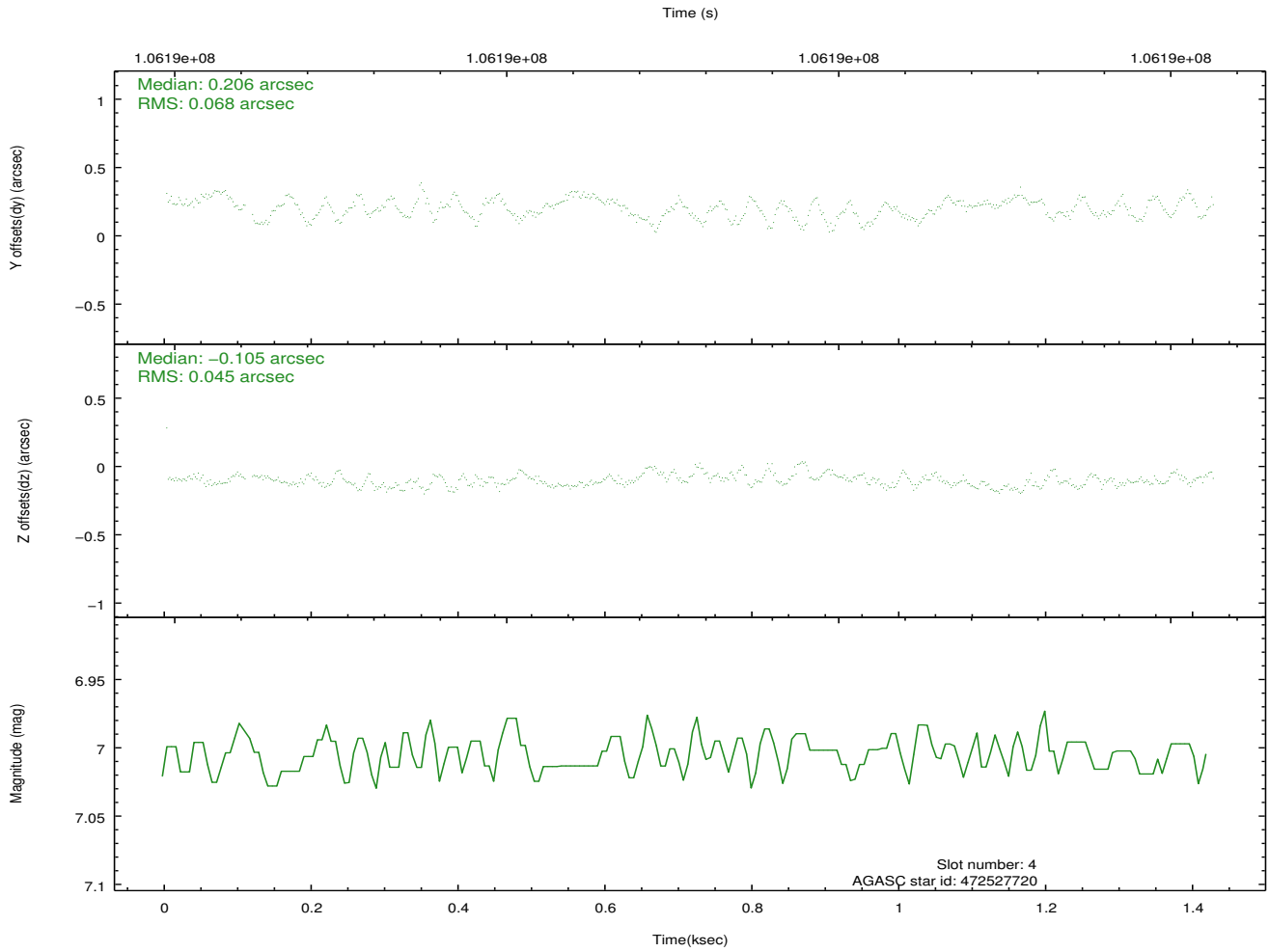
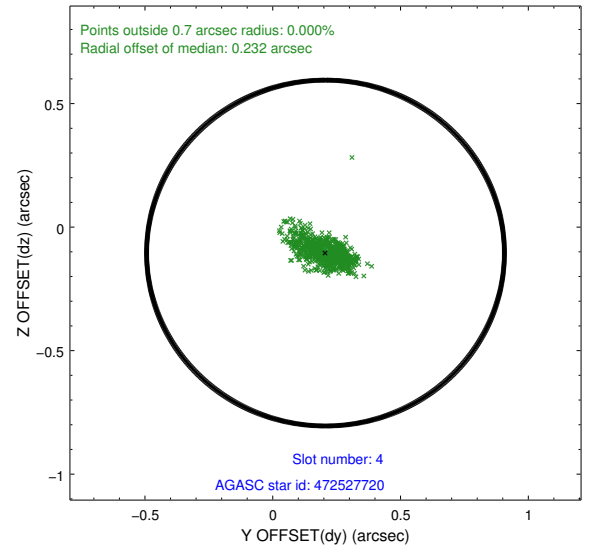
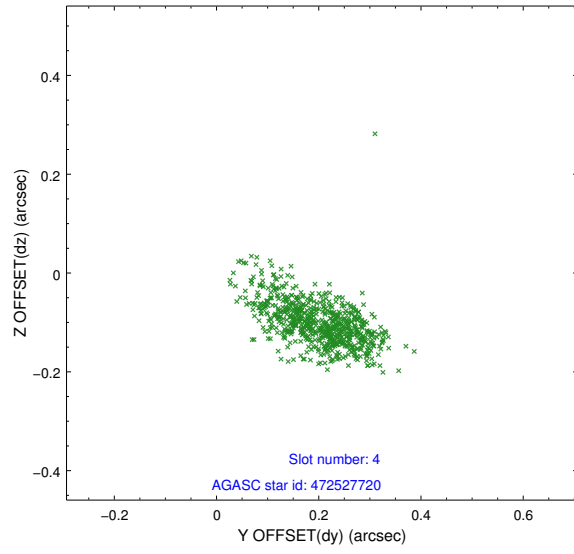
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	345	0.141	-0.106	0.004	0.008	0.000000	0.000000	-1156.89	-454.88
1	FID	HRC-S-2	6.98	345	0.118	-0.158	0.008	0.012	0.000000	0.000000	1239.41	-448.83
2	FID	HRC-S-4	6.93	345	0.144	-0.039	0.007	0.012	0.000000	0.000000	1244.94	576.03
3	GUIDE	472525528	6.62	692	0.184	-0.159	0.070	0.116	331.551102	45.248694	-1543.88	1668.78
4	GUIDE	472527720	7.00	692	0.206	-0.105	0.082	0.142	331.460205	45.112509	-2009.43	1952.19
5	GUIDE	472535576	7.85	692	-0.191	-0.093	0.044	0.073	331.438373	46.291802	2217.07	1557.81
6	GUIDE	472665256	9.01	689	-0.135	0.243	0.071	0.109	332.808125	46.195041	1544.19	-1802.62
7	GUIDE	472659832	9.46	691	-0.056	0.102	0.086	0.144	332.780399	46.098139	1201.94	-1707.68

2.4 Star Slots

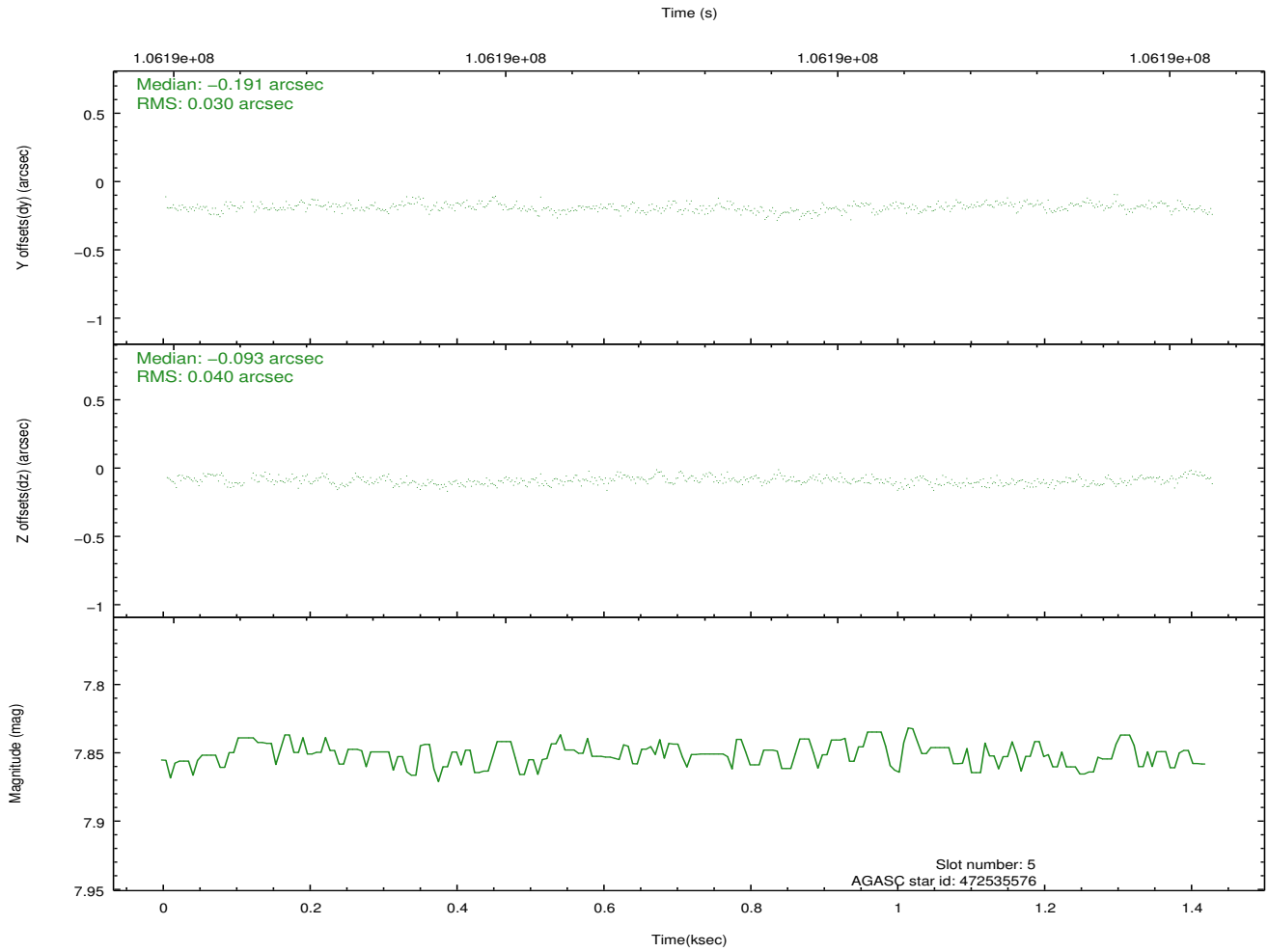
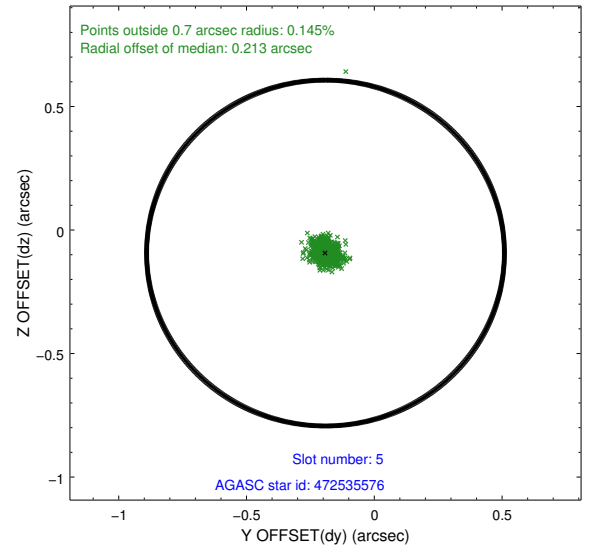
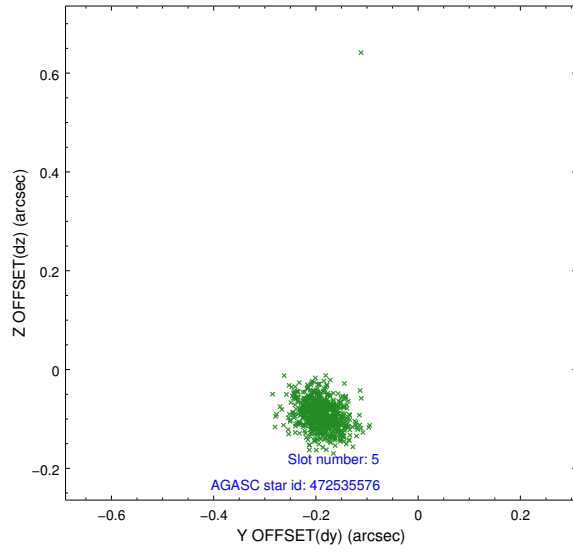
2.4.1 Slot 3



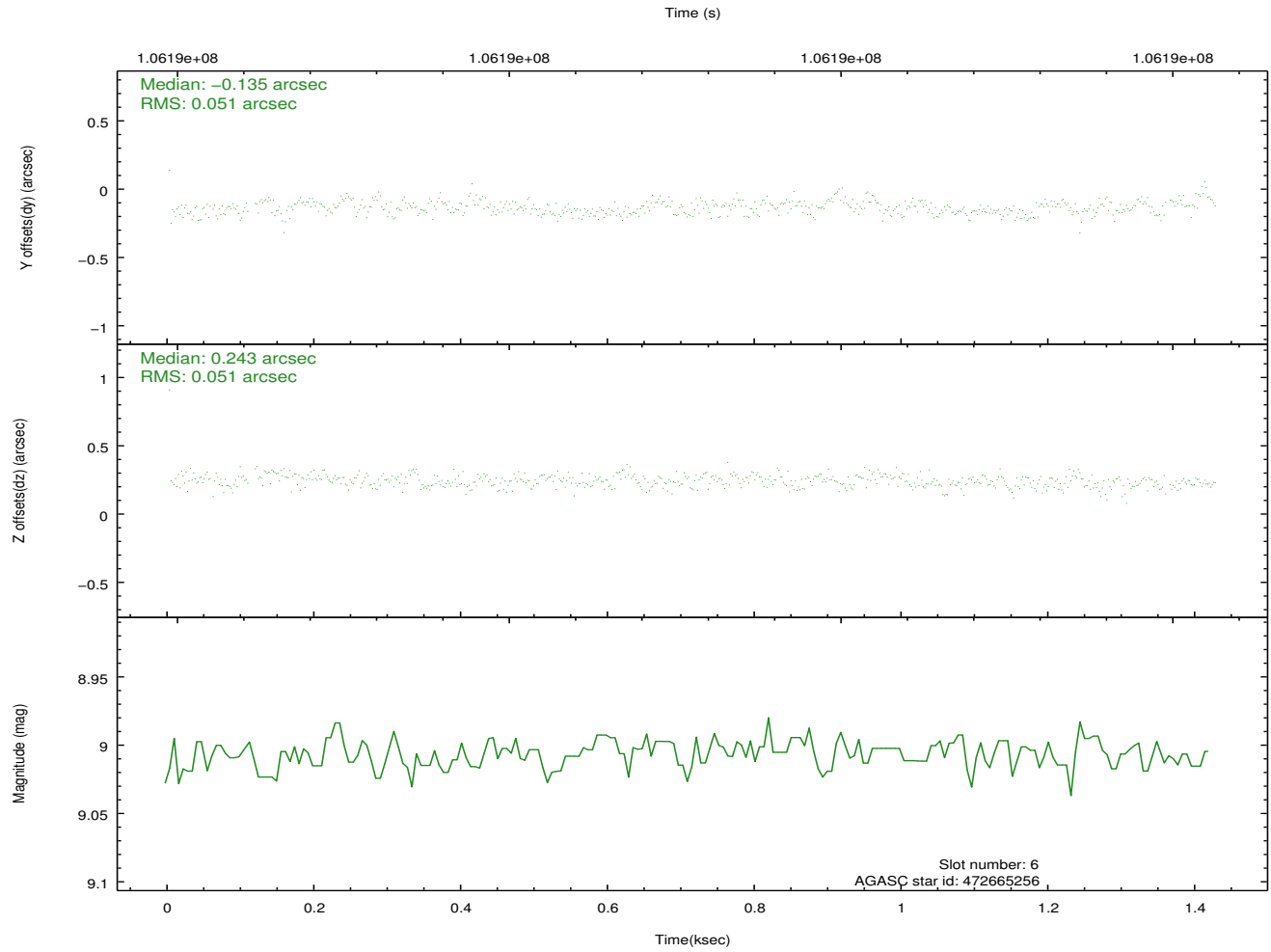
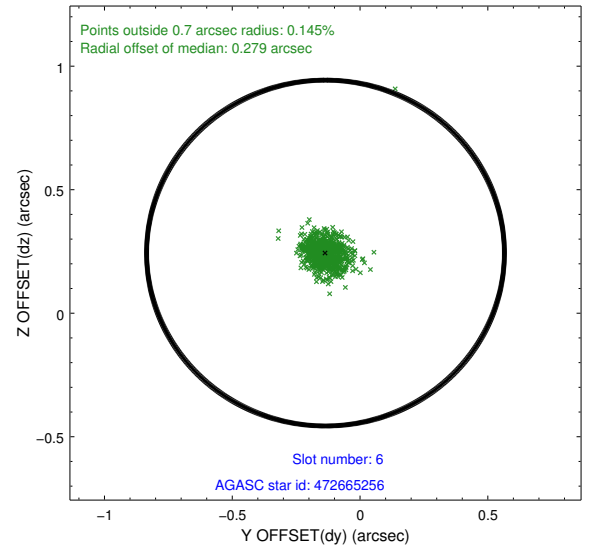
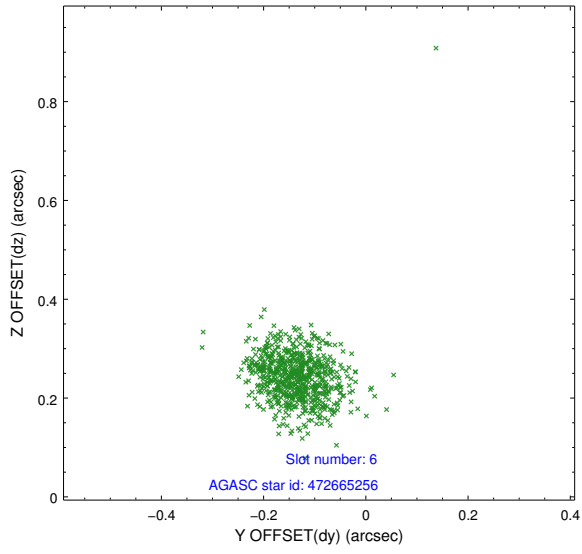
2.4.2 Slot 4



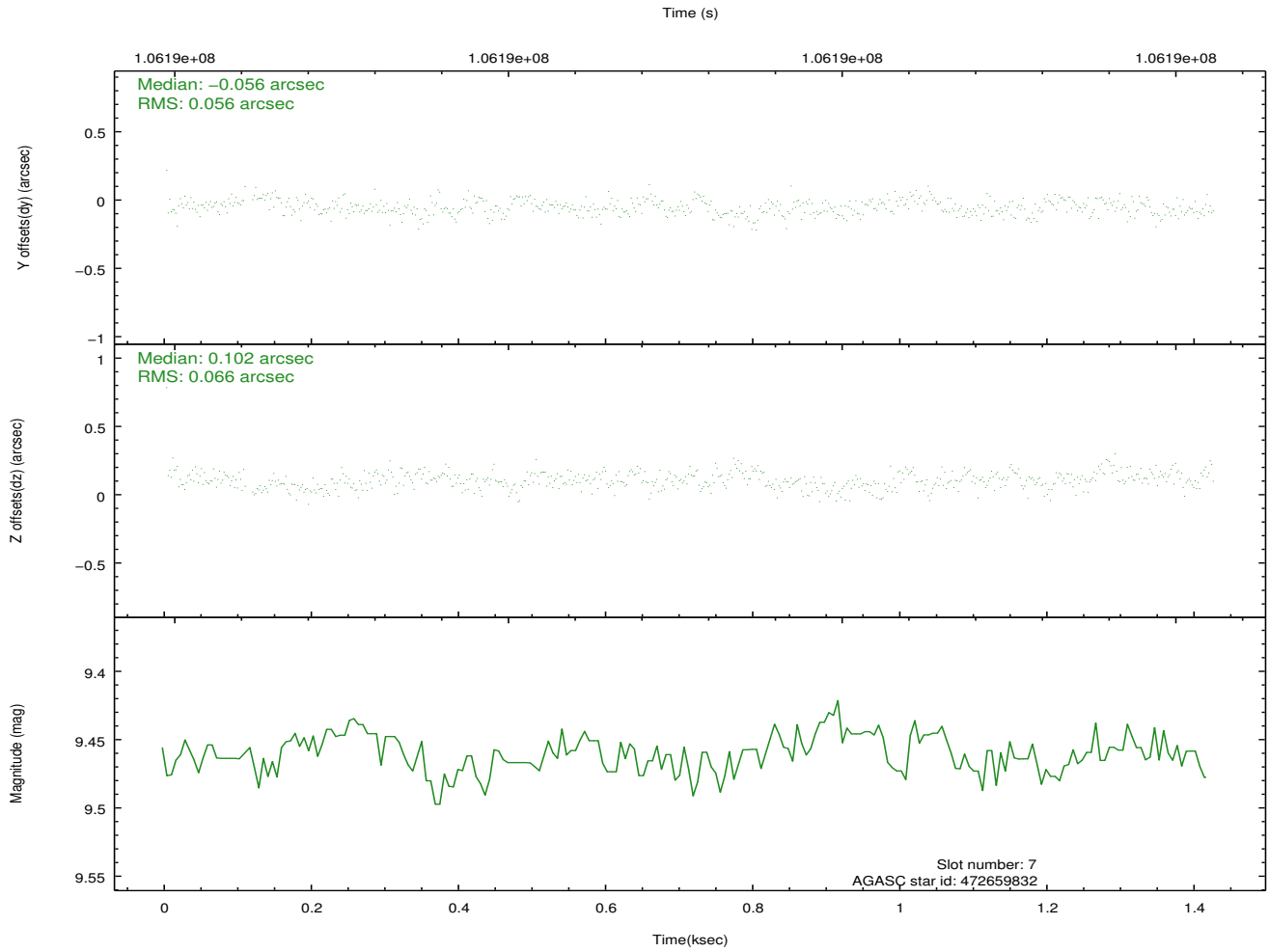
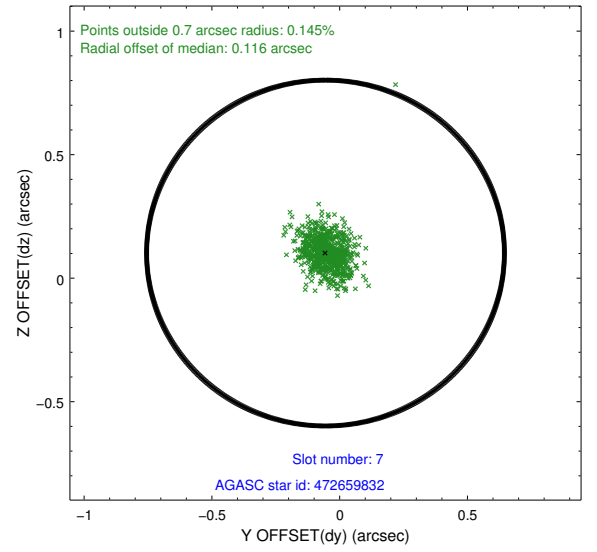
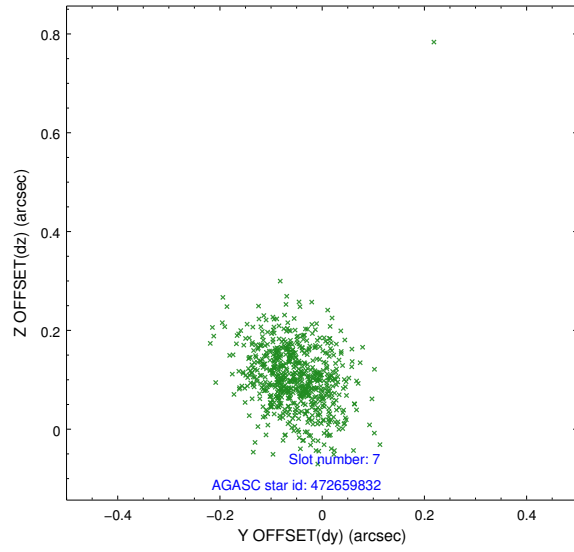
2.4.3 Slot 5



2.4.4 Slot 6

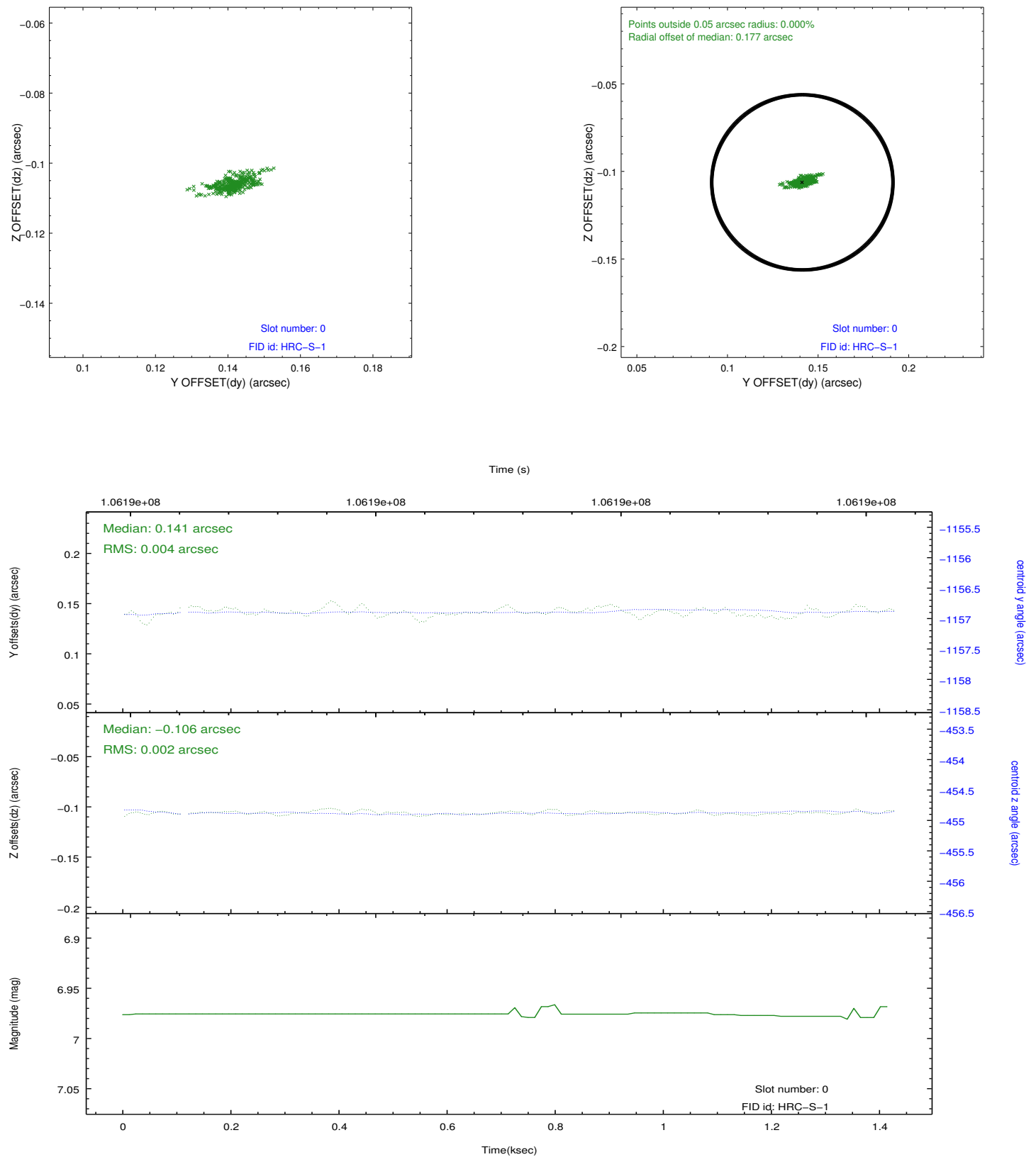


2.4.5 Slot 7

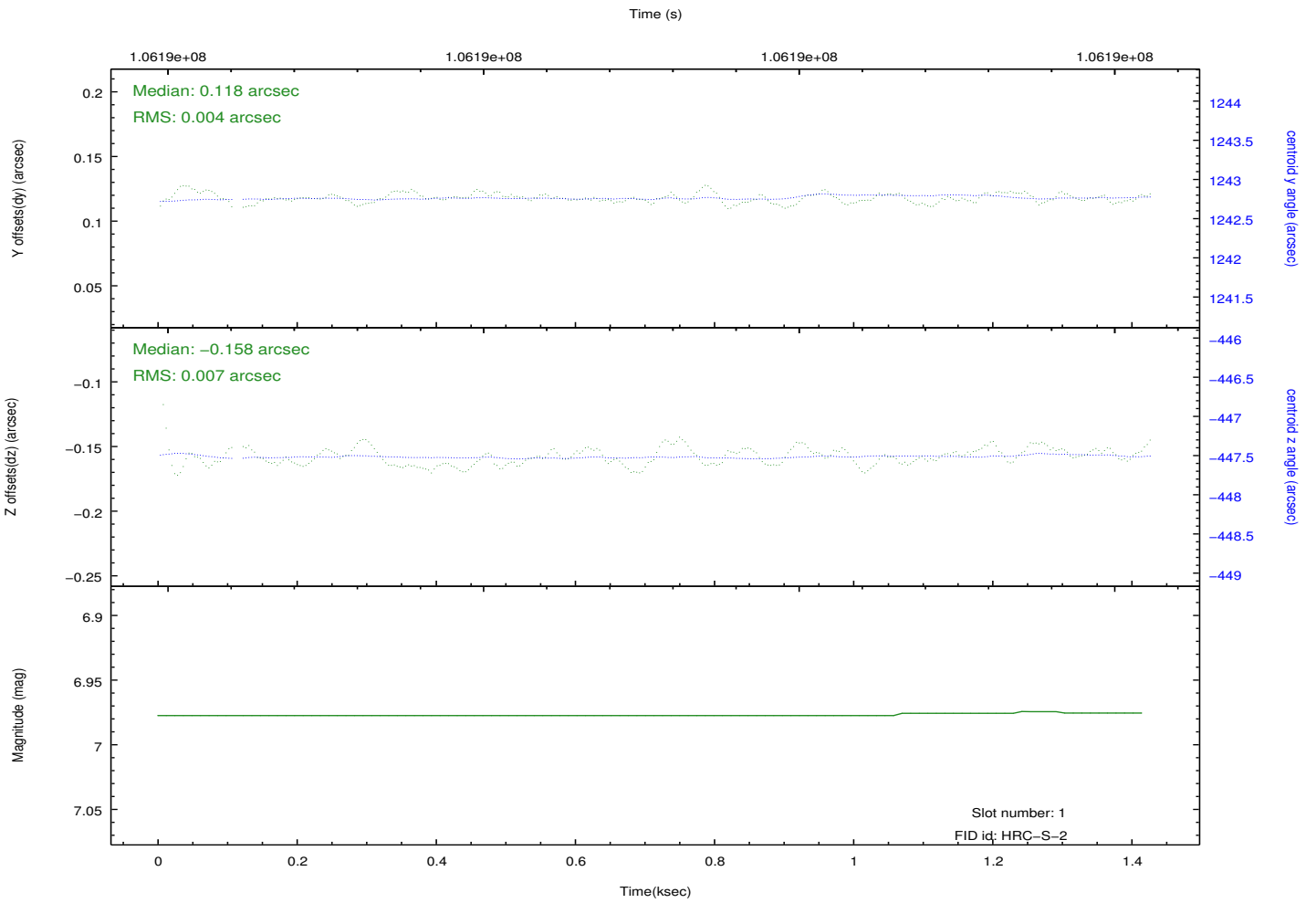
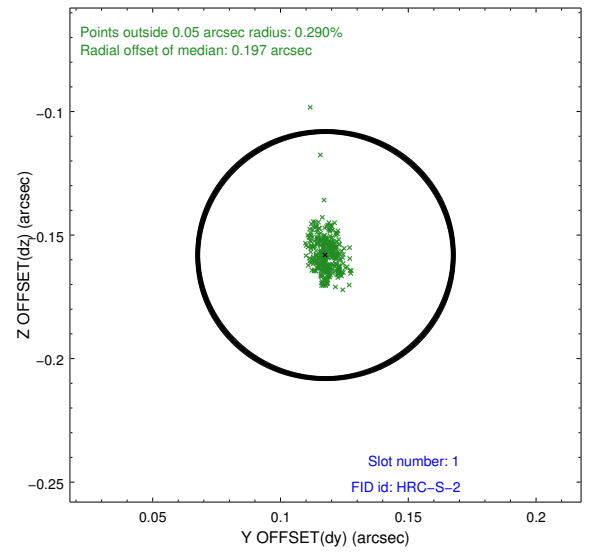
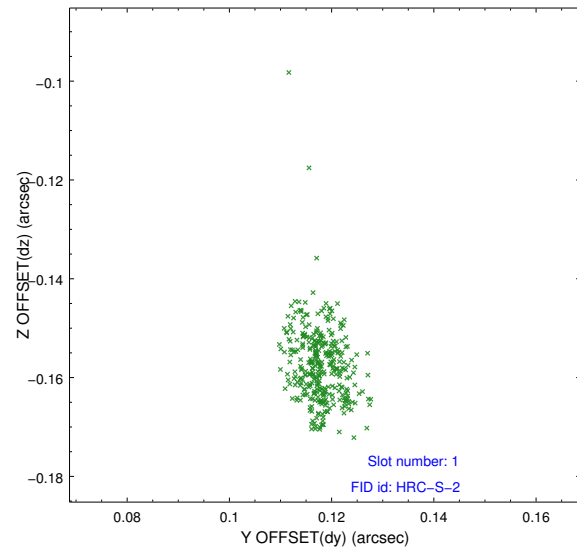


2.5 FID Slots

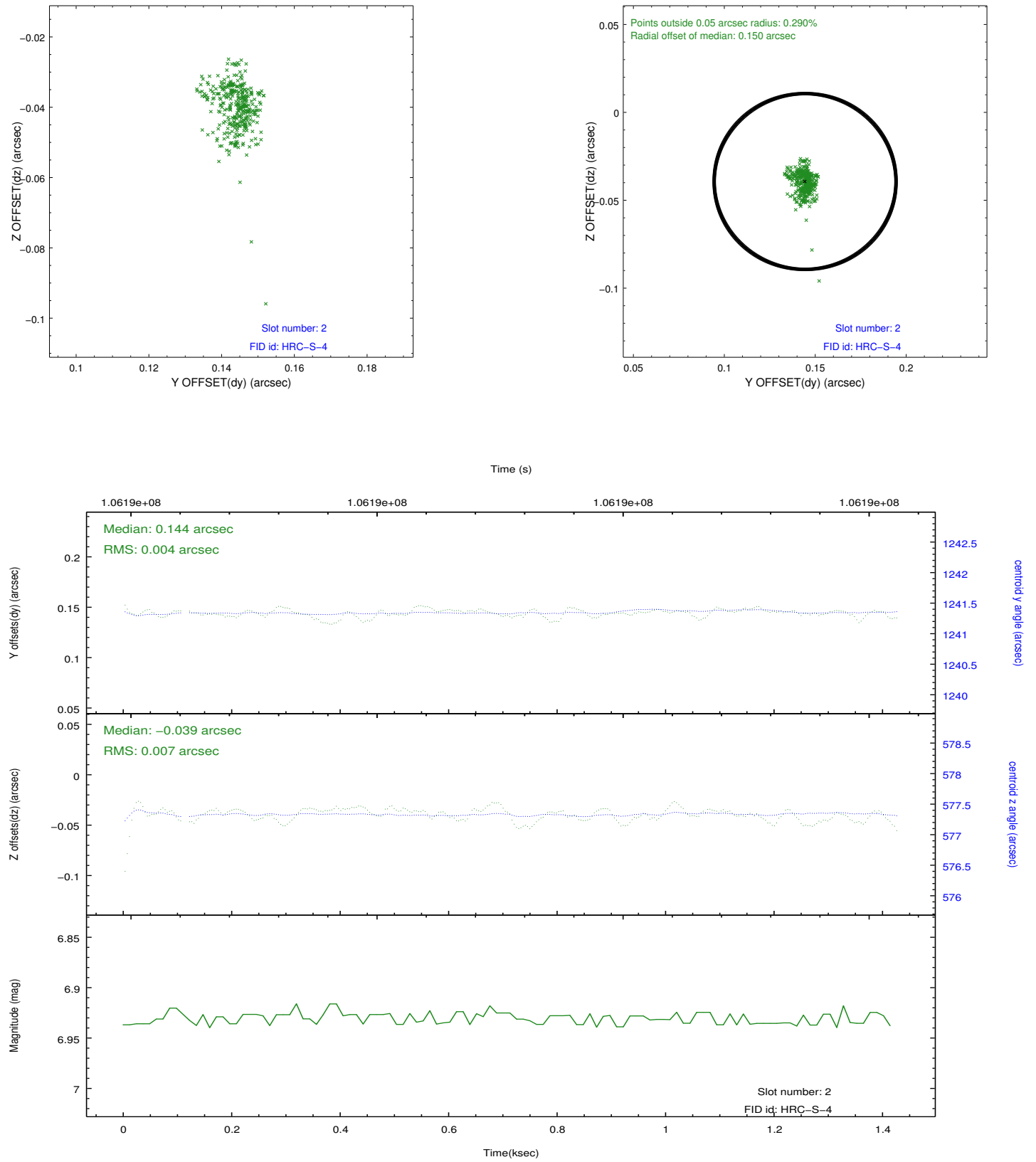
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.405

A.2 Comments

Charge time for this observation remains at previous value of 1.405 ksec.