

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5089 - L2 Version 3
Chandra X-Ray Center

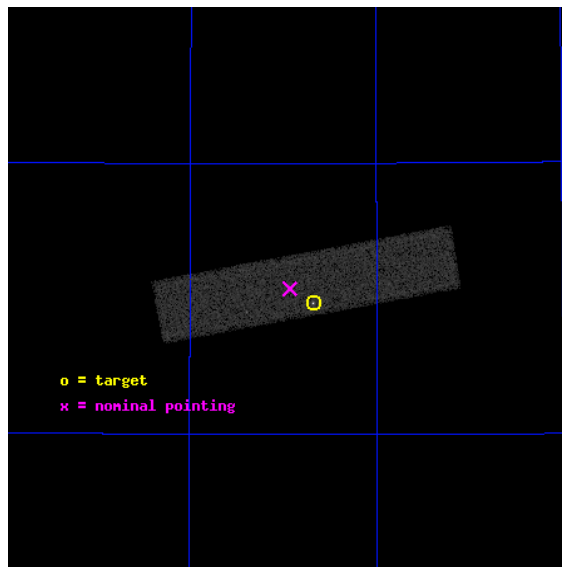
L2 Processing Date : Nov 11 2012

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

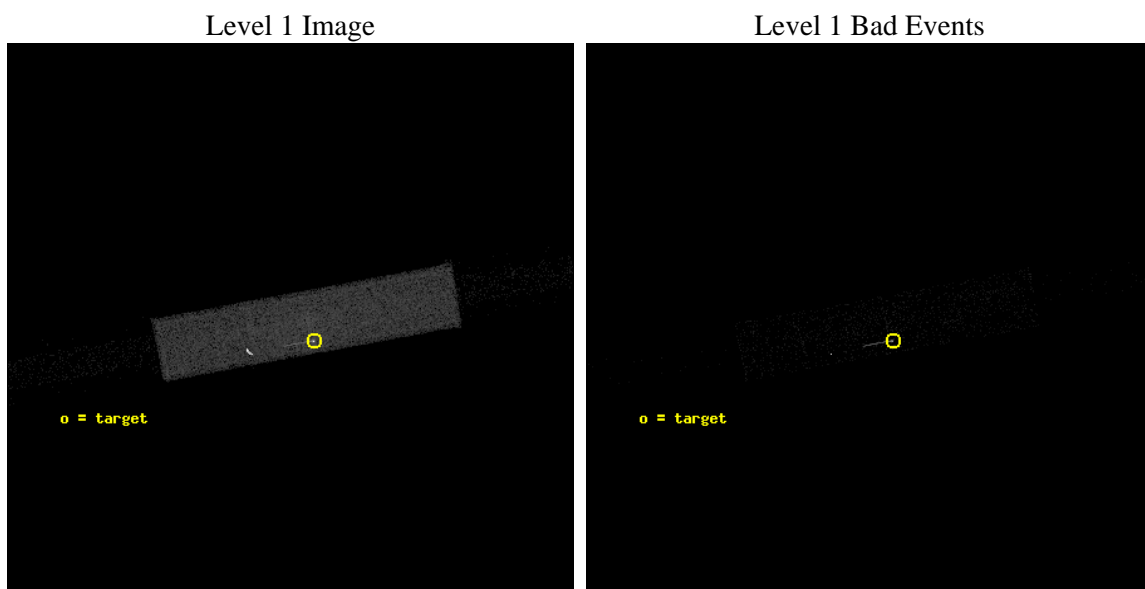
seq_num	290362	Sequence number
obs_id	5089	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.23241829347	Nominal RA [deg]
dec_nom	45.768712013964	Nominal Dec [deg]
roll_nom	349.48872562875	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1087.7812975943	[s]
livetime	1079.1646958648	Ontime multiplied by DTCOR
l2events	39520	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	946.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1087.7812975943	[s]
caldsver	4.5.2	 	l1events	80816	Number of level 1 events
date	2012-11-11T14:44:56	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

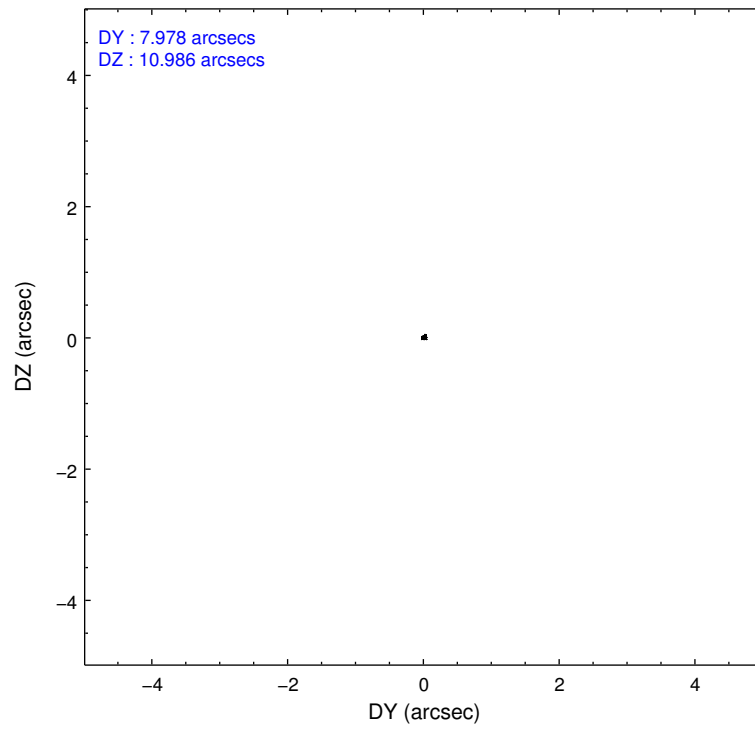
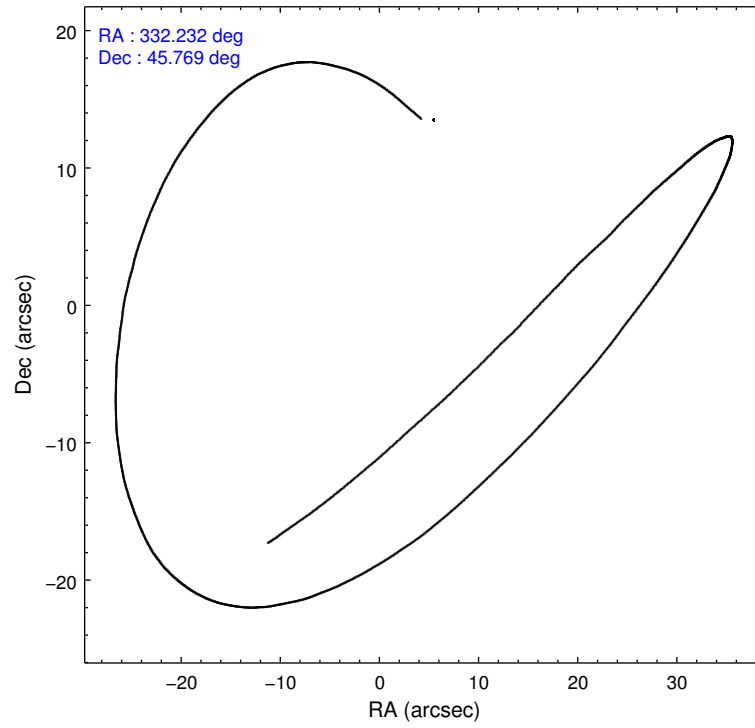
Level 1 Events

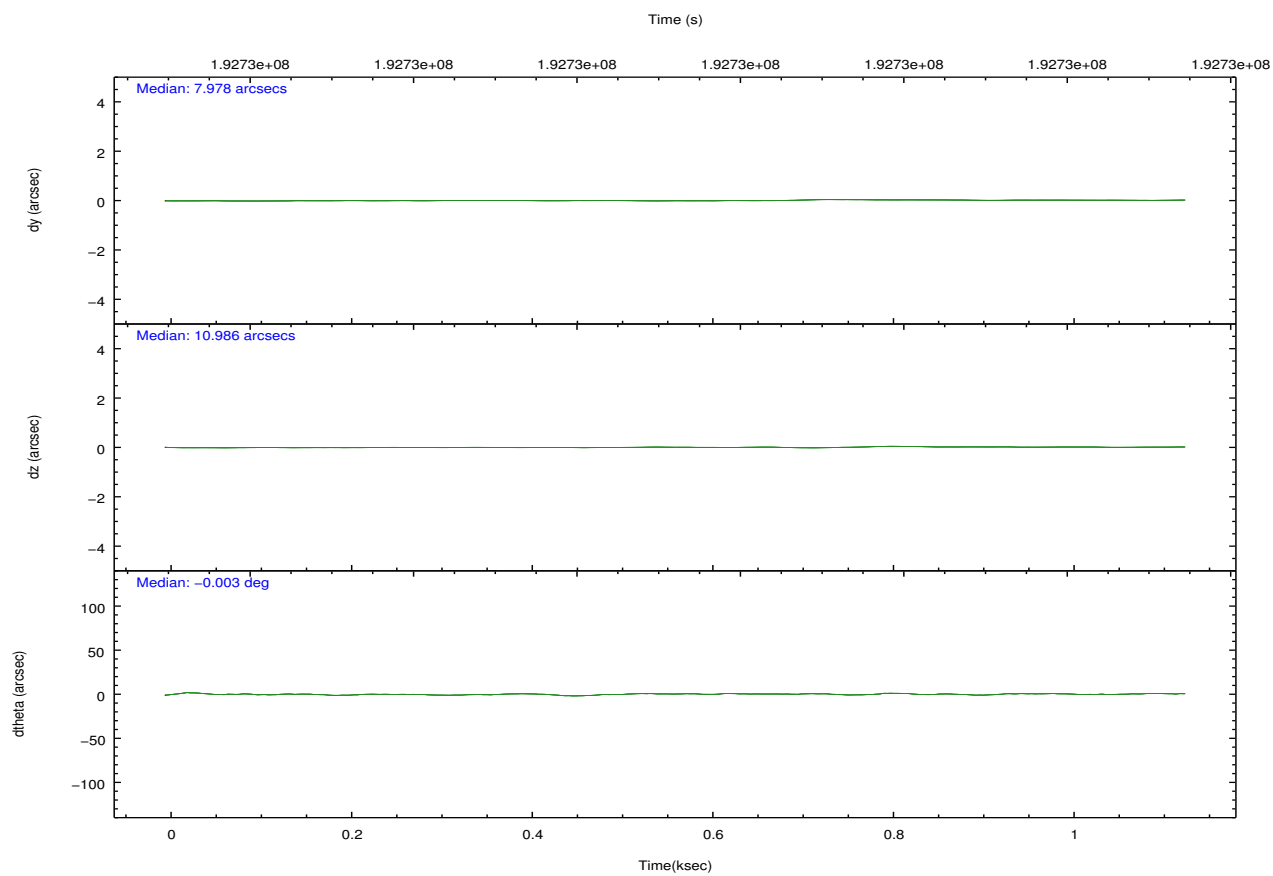
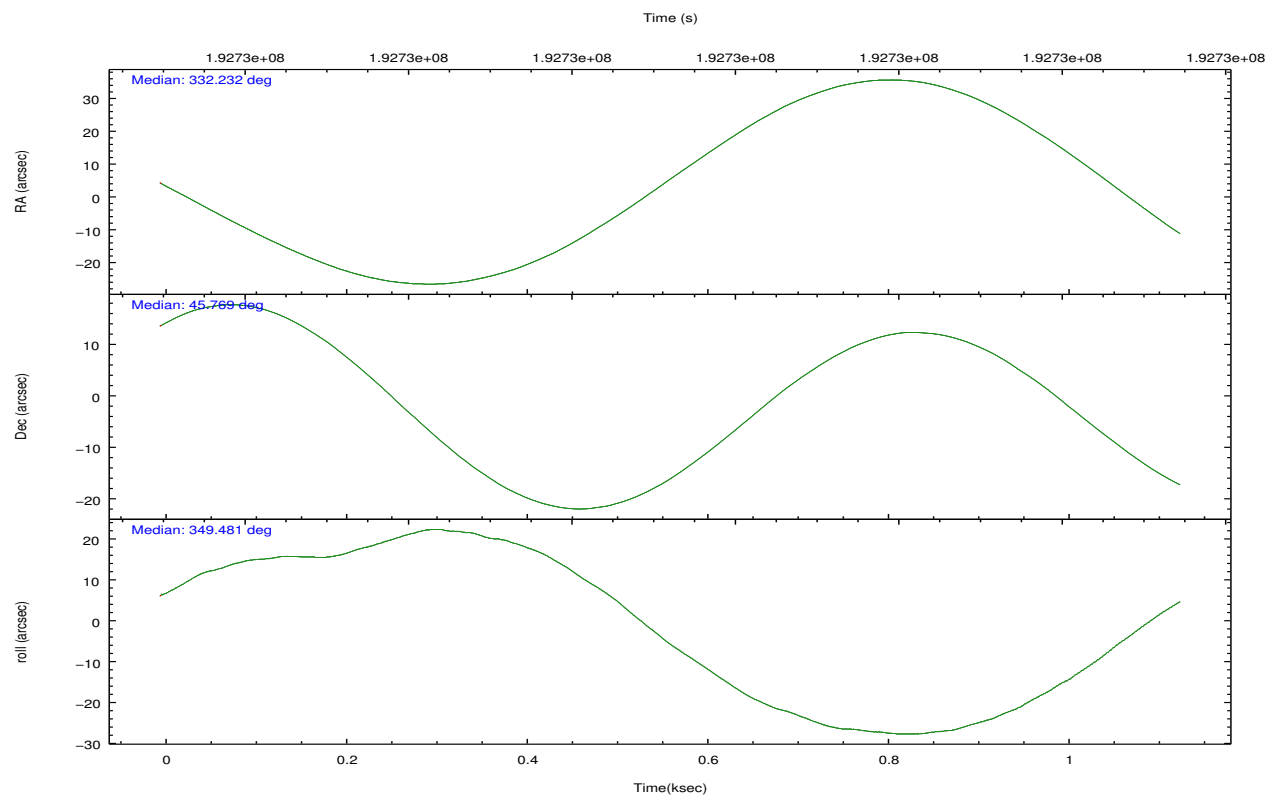
	segment 1	segment 2	segment 3
level 1 events	1130	78620	1066
rejected events	1130	18150	1066
rejected %	100%	23%	100%

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	332.194360	332.232418293467			
[deg] Pointing Dec	45.757113	45.76871201396393			
[deg] Pointing Roll	349.448633	349.4887256287463			
[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)	192731537.184000	192731161.14751			
Observation start date	2004-02-09T16:31:13	2004-02-09T16:26:01			
[s] Observation end time (MET)	192732483.184000	192732616.64757			
Observation end date	2004-02-09T16:46:59	2004-02-09T16:50:16			

2.3 Aspect



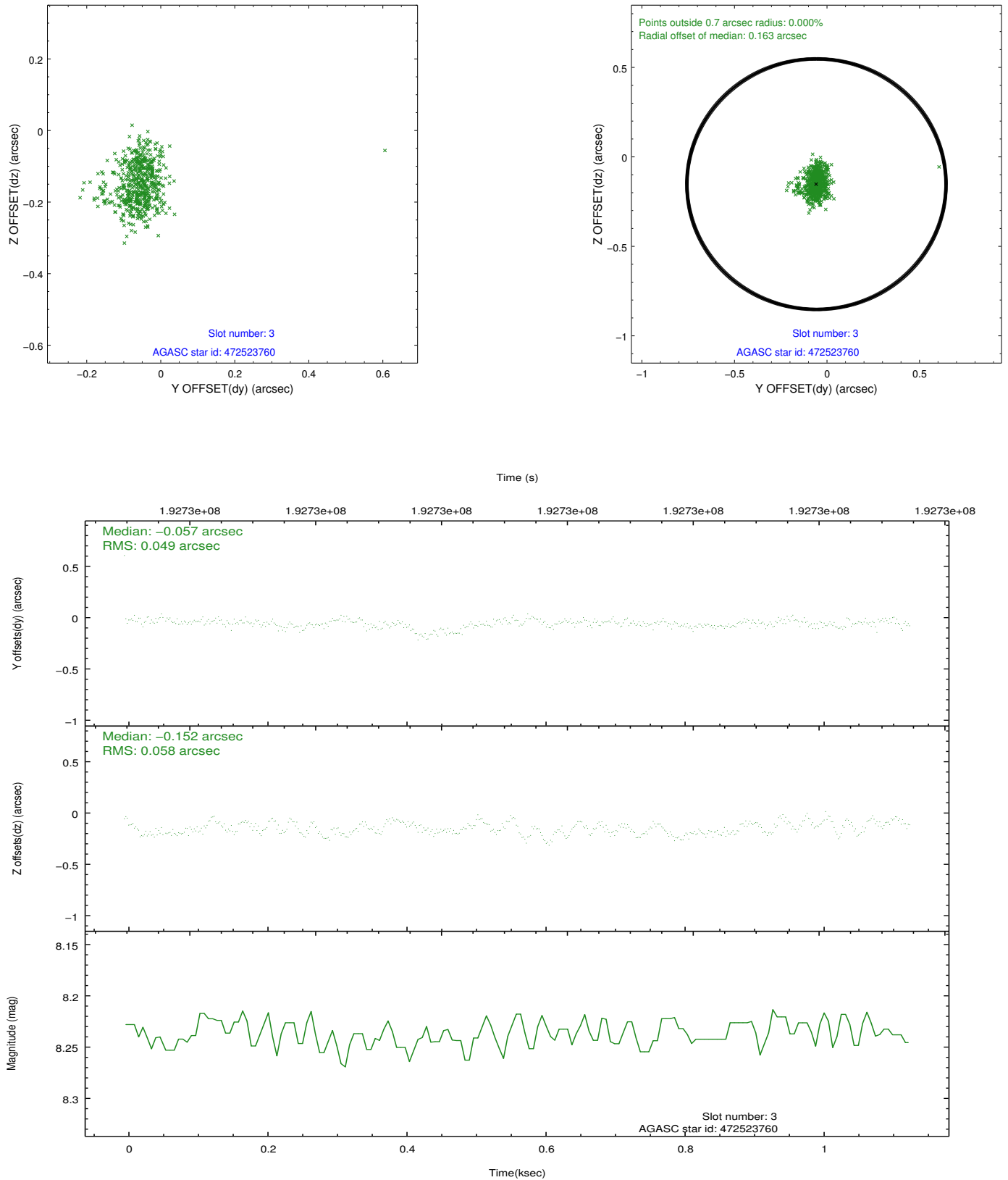


Slot Statistics

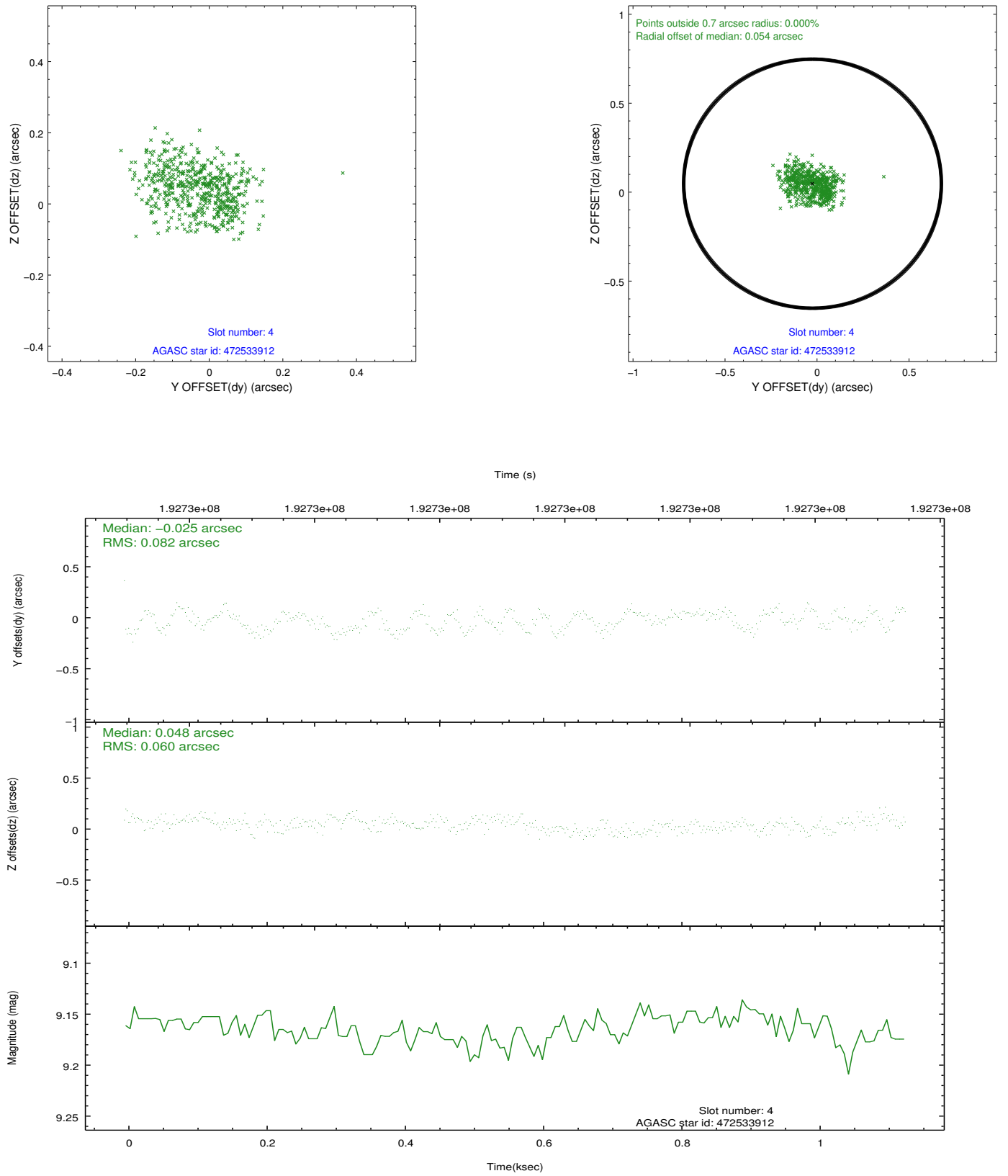
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	276	0.149	-0.168	0.006	0.010	0.000000	0.000000	-1162.14	-459.70
1	FID	HRC-S-2	7.02	276	0.127	-0.108	0.005	0.010	0.000000	0.000000	1233.31	-453.97
2	FID	HRC-S-3	7.04	276	0.112	-0.026	0.006	0.011	0.000000	0.000000	-1160.42	568.33
3	GUIDE	472523760	8.24	551	-0.057	-0.152	0.075	0.122	331.645363	45.403260	-1131.28	-1504.52
4	GUIDE	472533912	9.16	552	-0.025	0.048	0.111	0.168	331.791136	46.368695	-1390.36	1978.25
5	GUIDE	472655152	9.42	551	0.097	-0.000	0.111	0.173	332.504239	45.862991	691.62	519.72
6	GUIDE	472659832	9.45	552	0.043	0.116	0.108	0.175	332.780399	46.098139	1213.91	1478.93
7	GUIDE	472654568	9.43	551	-0.044	0.006	0.121	0.200	332.194449	45.063576	460.36	-2454.19

2.4 Star Slots

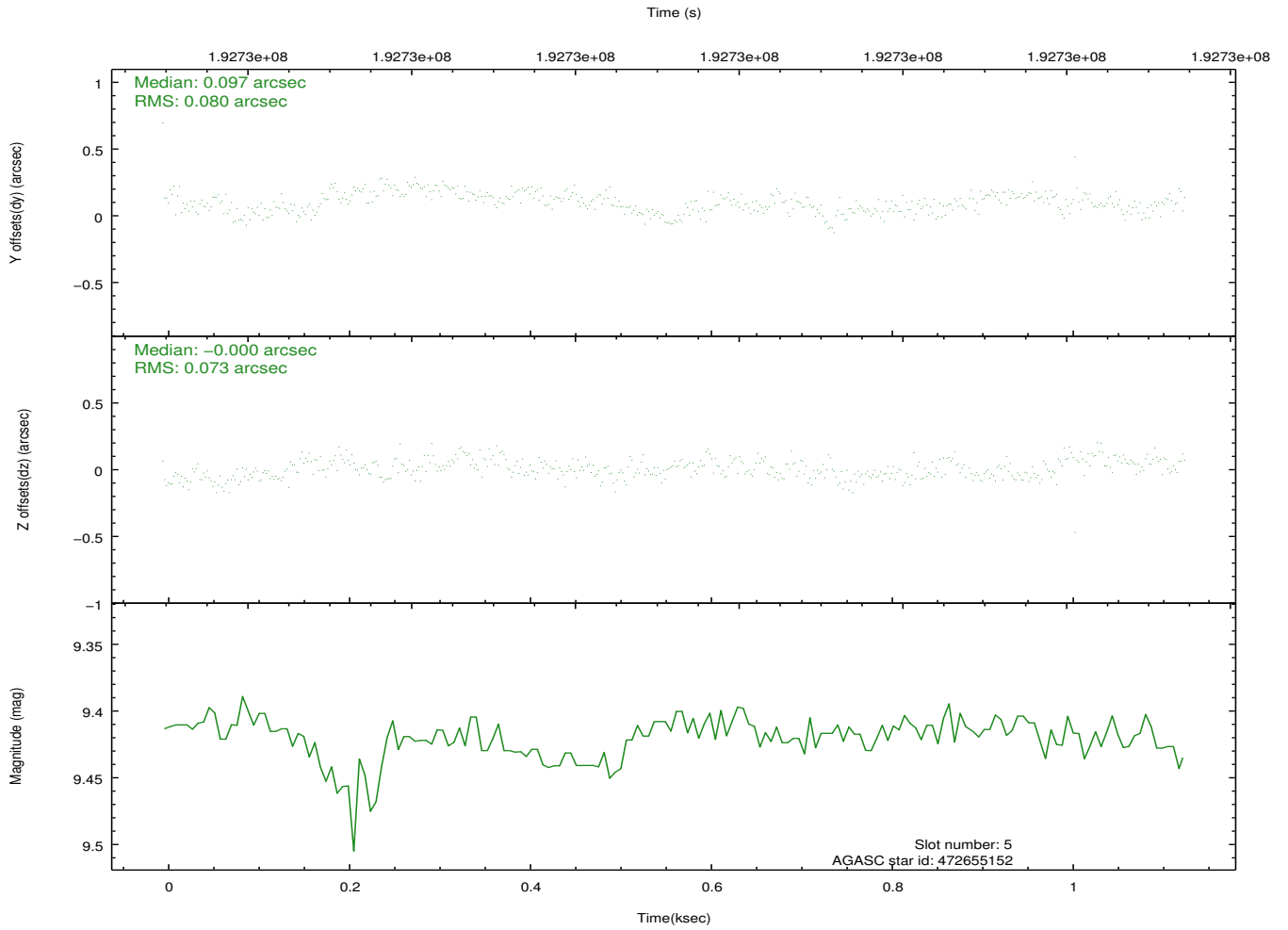
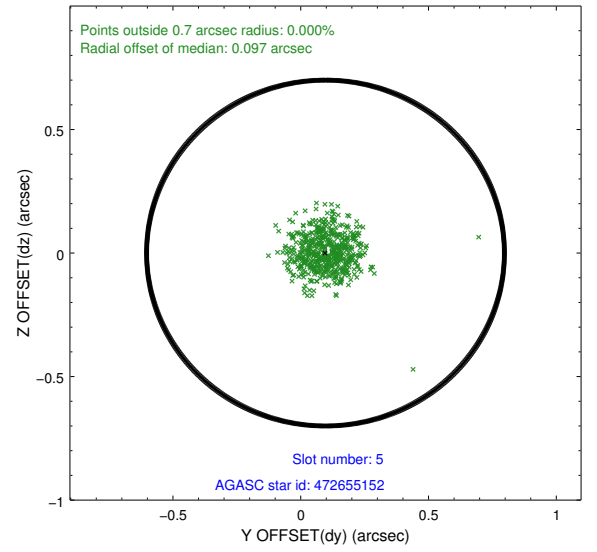
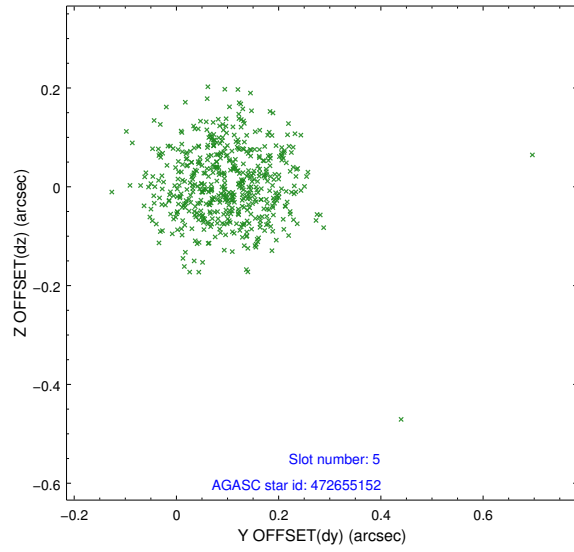
2.4.1 Slot 3



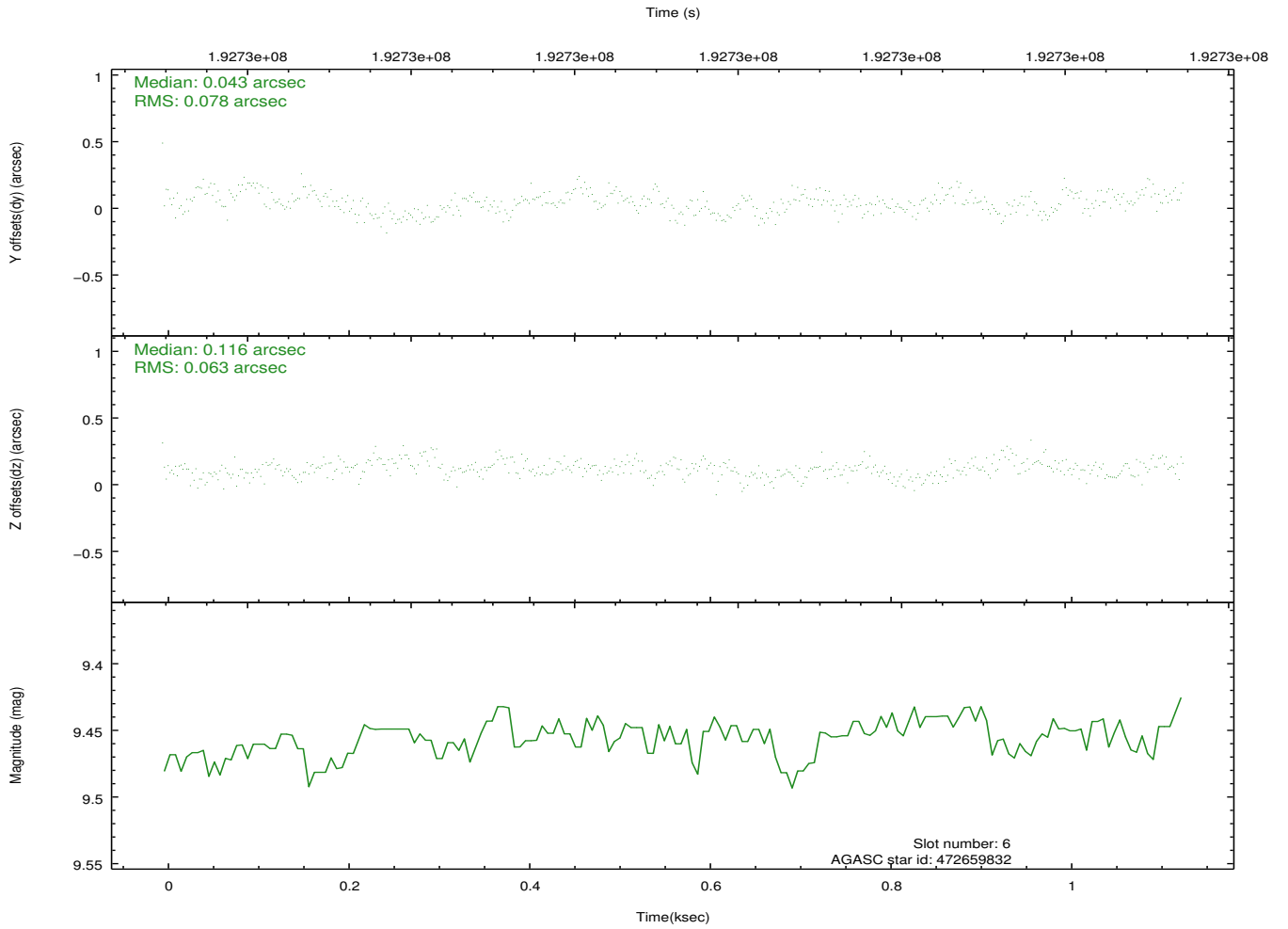
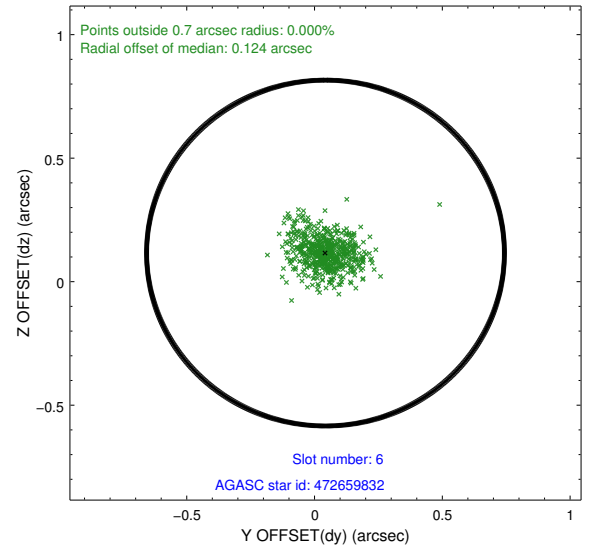
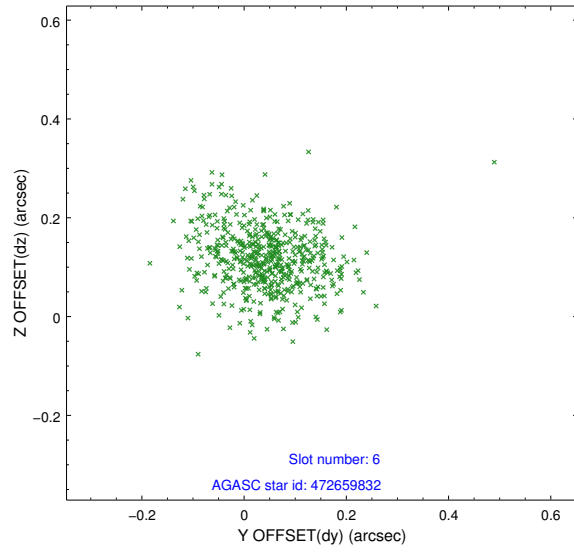
2.4.2 Slot 4



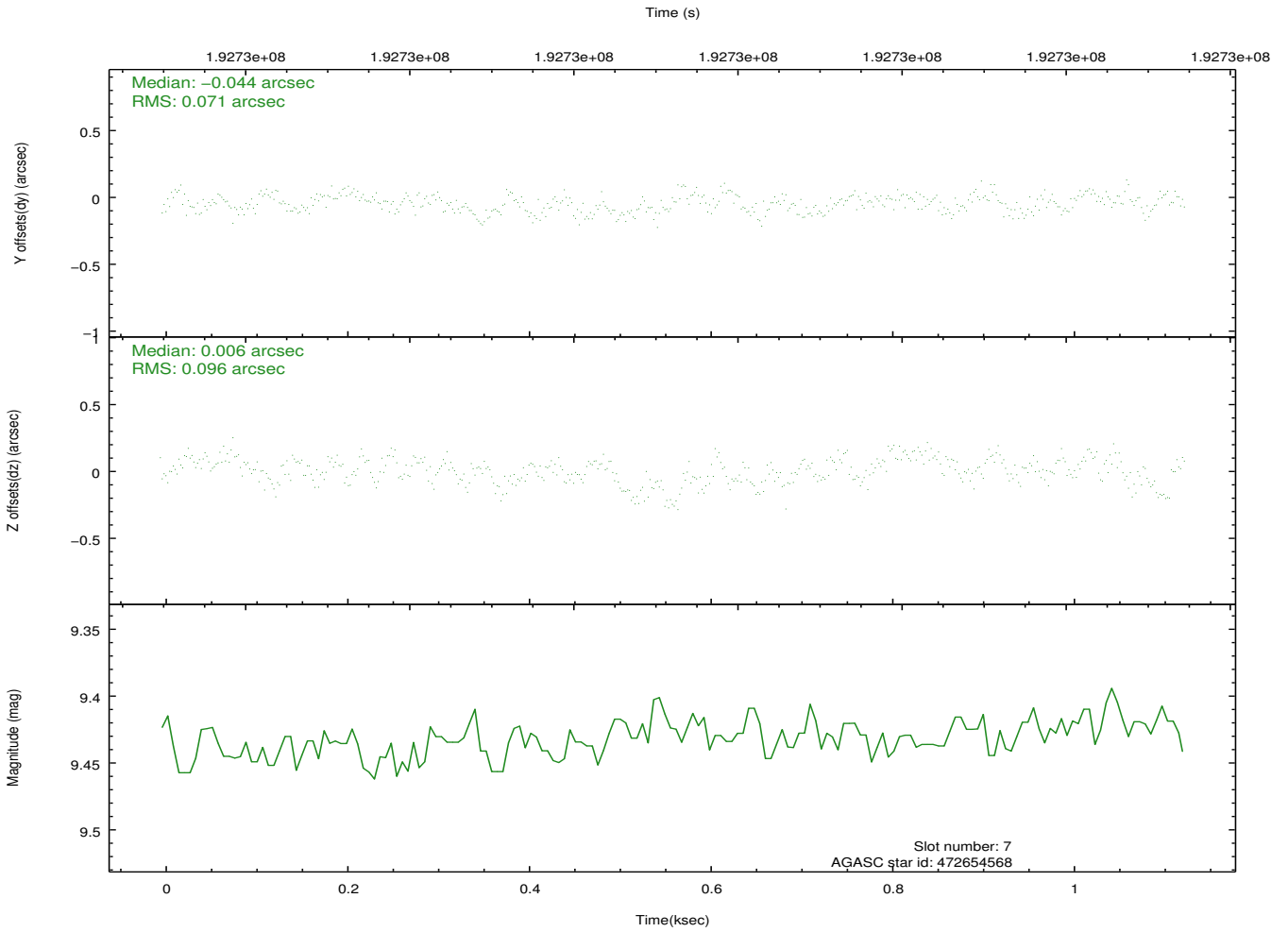
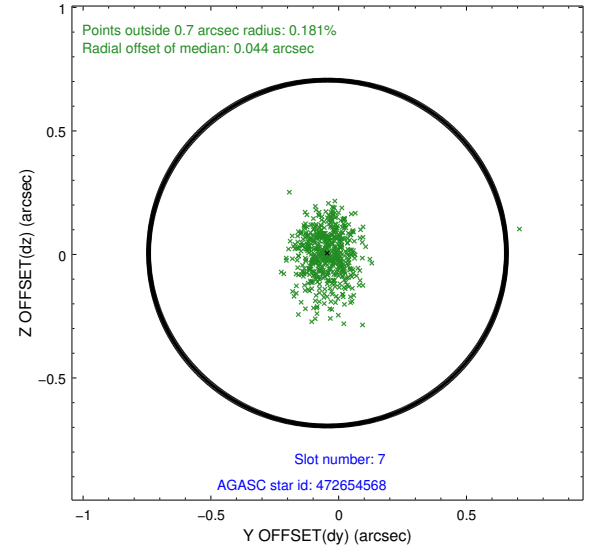
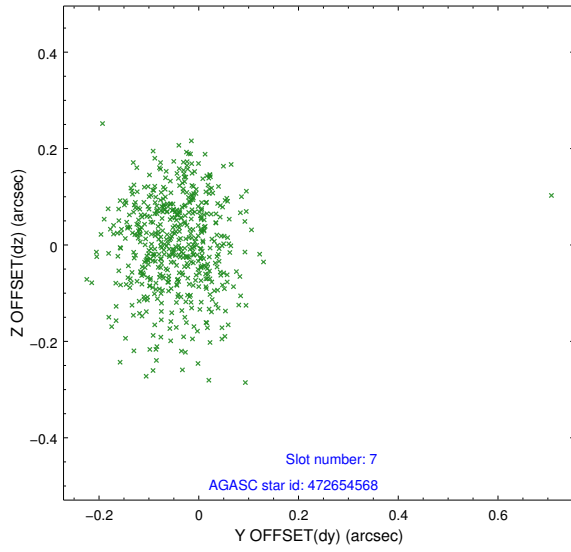
2.4.3 Slot 5



2.4.4 Slot 6

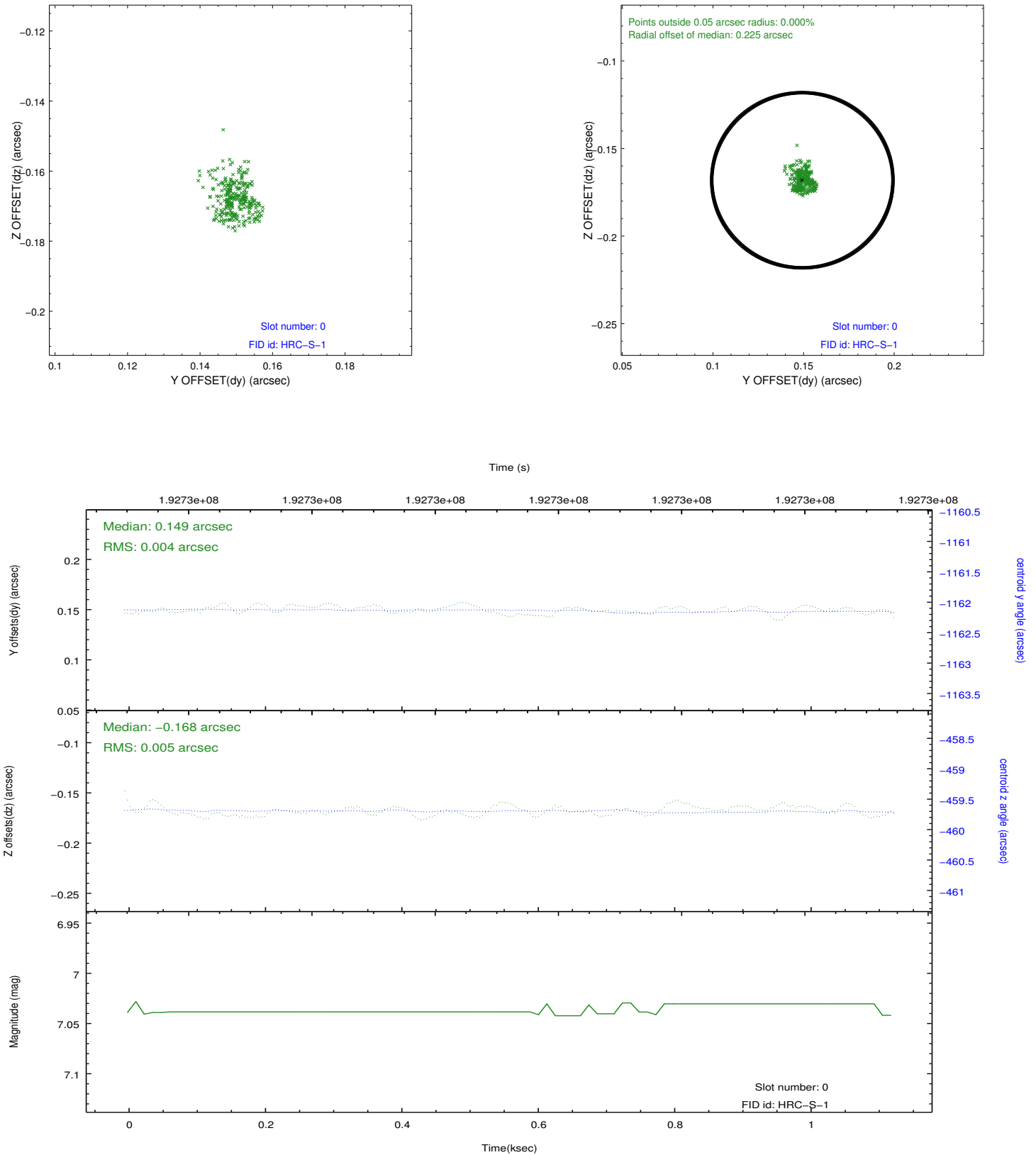


2.4.5 Slot 7

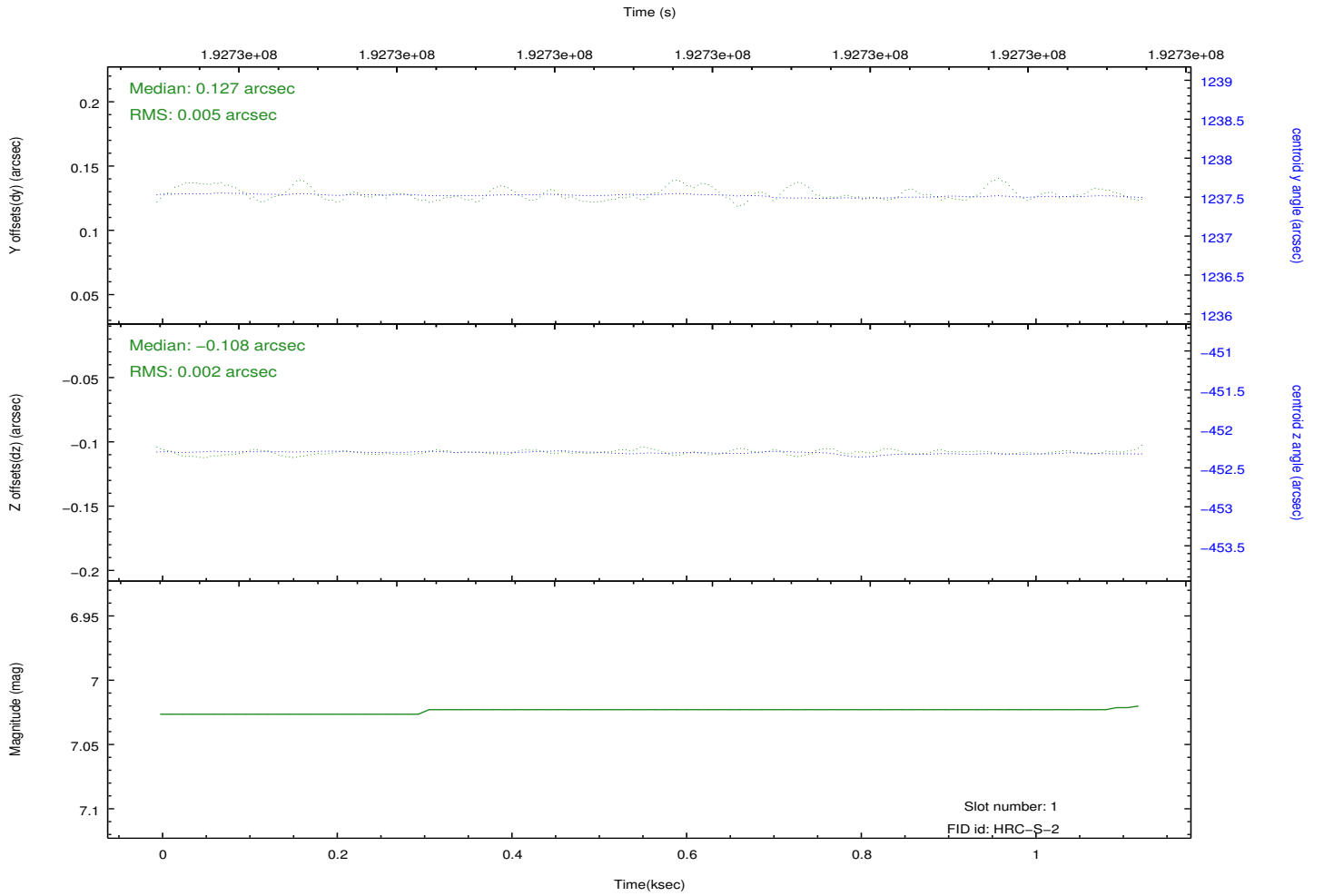
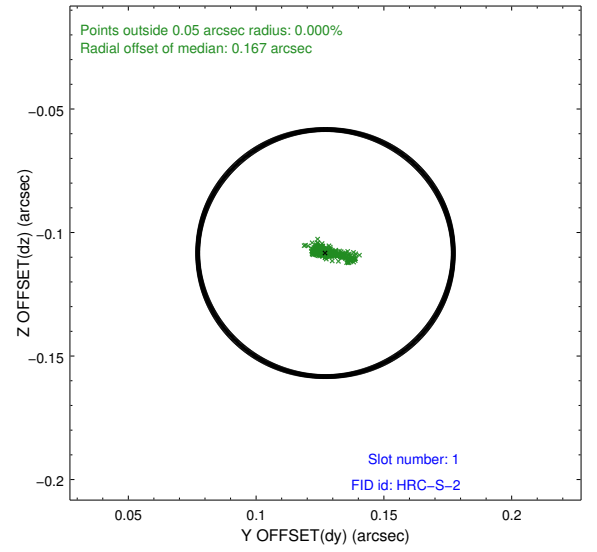
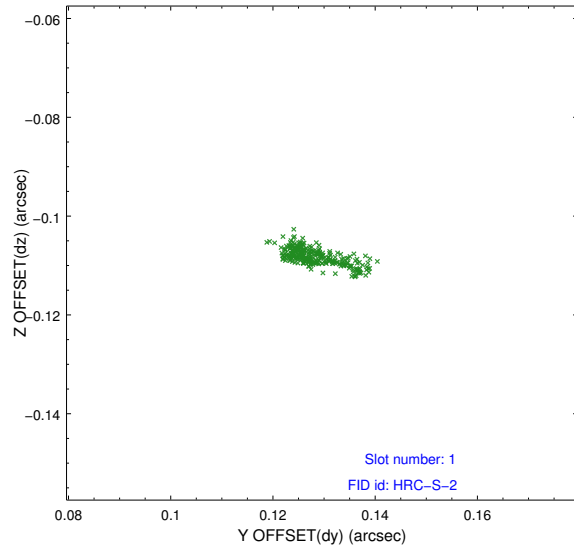


2.5 FID Slots

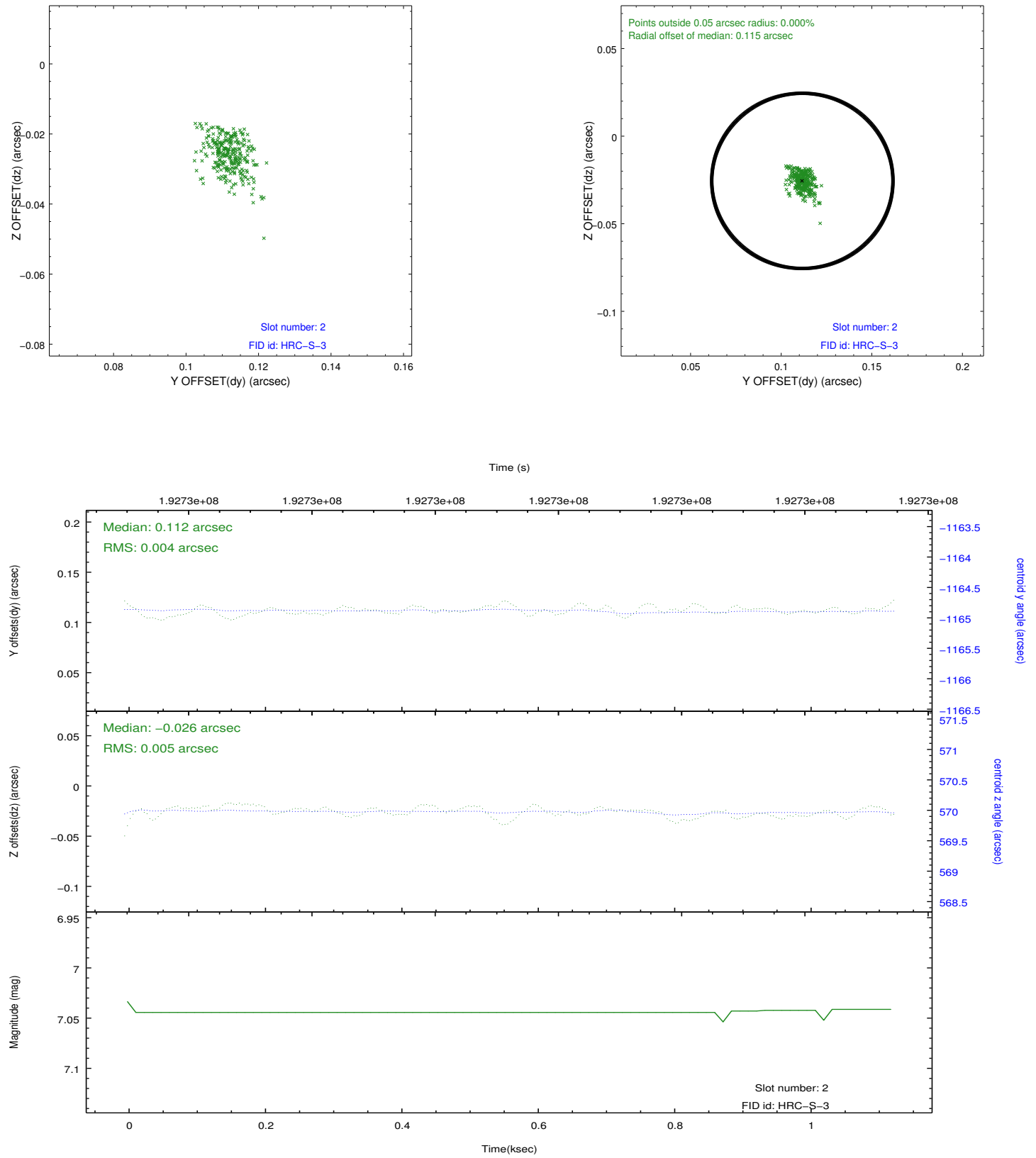
2.5.1 Slot 0



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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.087

A.2 Comments