

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9661 - L2 Version 3
Chandra X-Ray Center

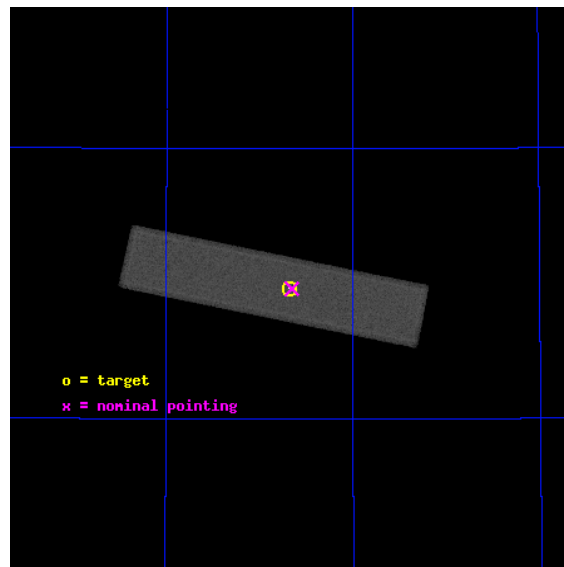
L2 Processing Date : Aug 12 2012

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1 Front

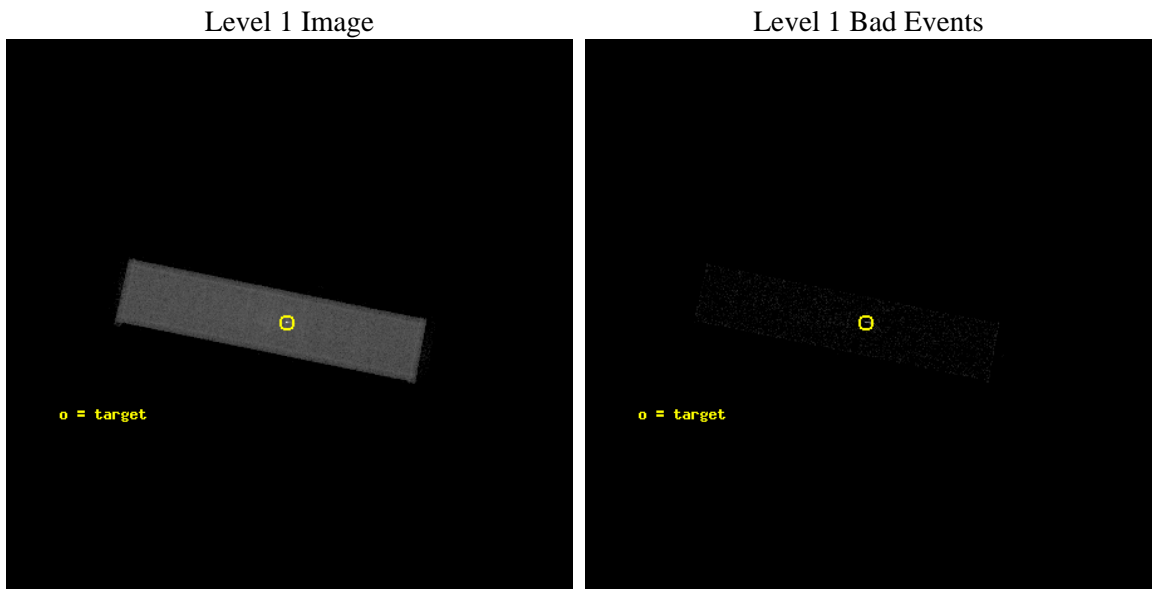
seq_num	290784	Sequence number
obs_id	9661	Observation id
title	AO9 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16310693559	Nominal RA [deg]
dec_nom	45.741243030415	Nominal Dec [deg]
roll_nom	191.37323375121	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3189.0314065218	[s]
livetime	3160.688992682	Ontime multiplied by DTCOR
l2events	202698	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3189.0314065218	[s]
caldbver	4.5.1.1	 	l1events	298672	Number of level 1 events
date	2012-08-12T16:46:34	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

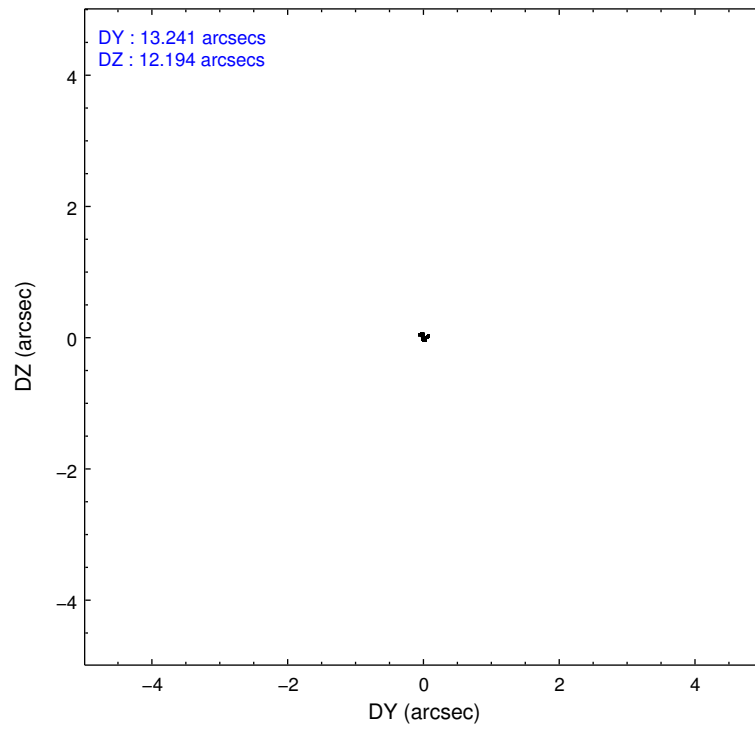
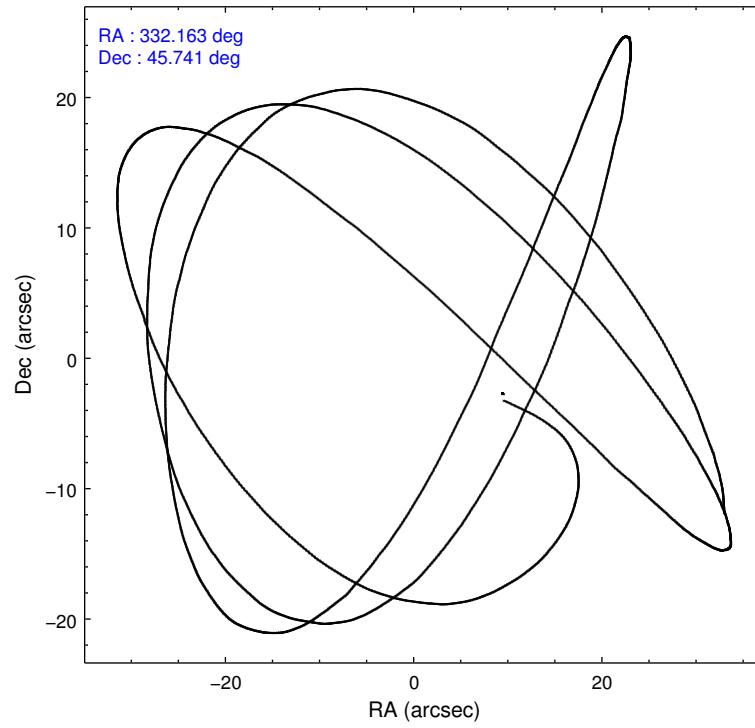
	segment 1	segment 2	segment 3
level 1 events	0	298672	0
rejected events	0	55615	0
rejected %	0%	18%	0%

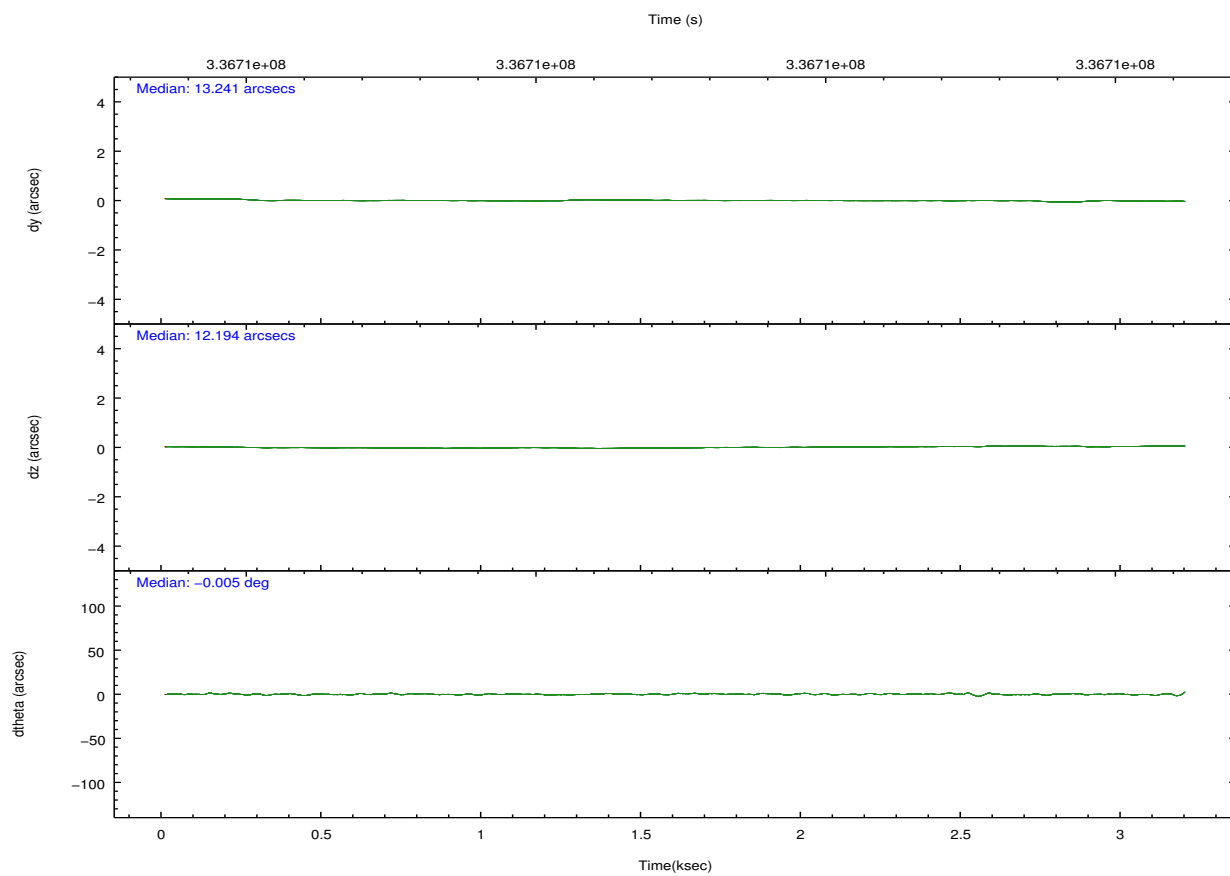
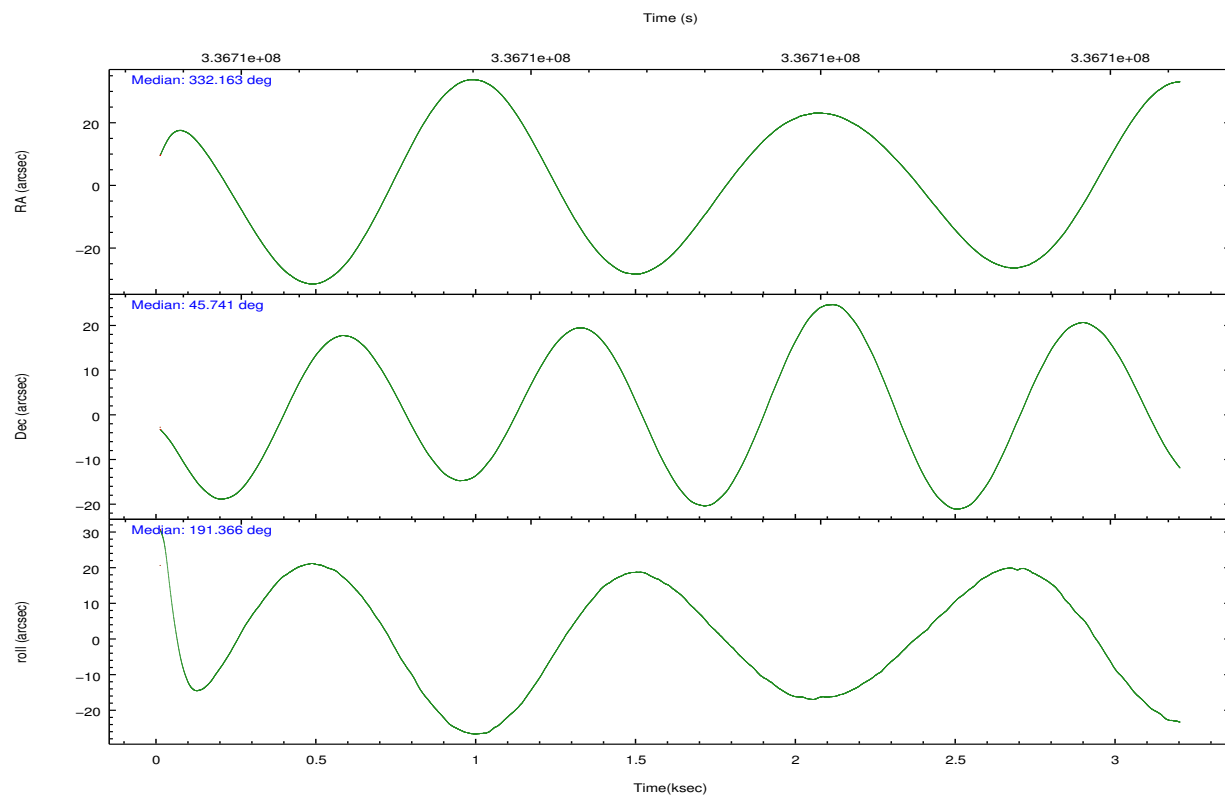
2.2 Compared Parameters

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	332.192781	332.1631069355866
[deg] Pointing Dec	45.761453	45.74124303041503
[deg] Pointing Roll	191.284455	191.3732337512101
[s] Window start time (MET)	333936065.184000	333936065.184000
[s] Window stop time (MET)	341798465.184000	341798465.184000
[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)	336711083.184000	336710276.20763
Observation start date	2008-09-02T02:50:18	2008-09-02T02:37:56
[s] Observation end time (MET)	336714083.184000	336714216.82032
Observation end date	2008-09-02T03:40:18	2008-09-02T03:43:36

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

2.3 Aspect



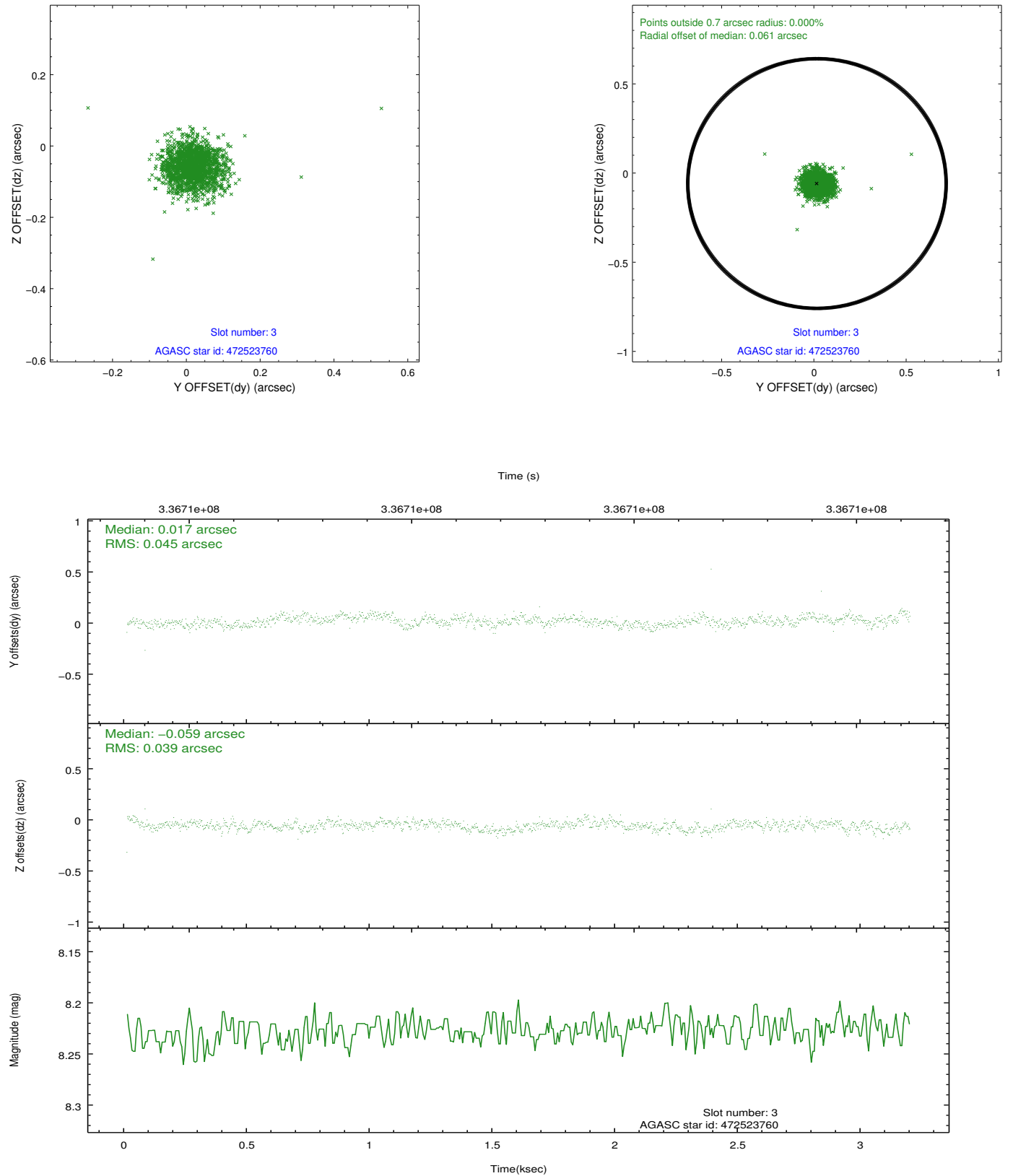


Slot Statistics

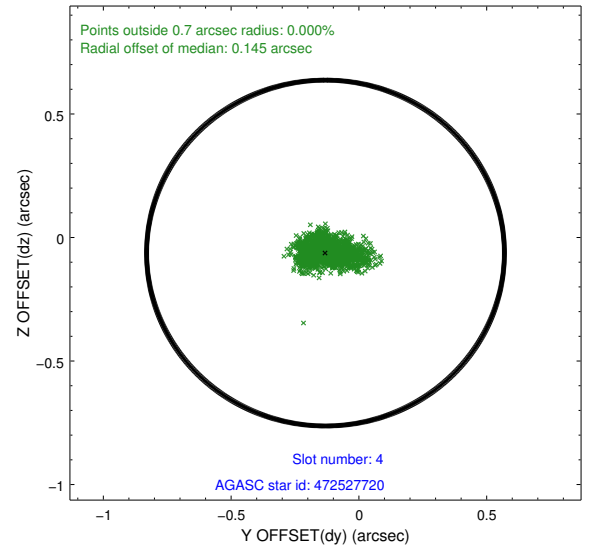
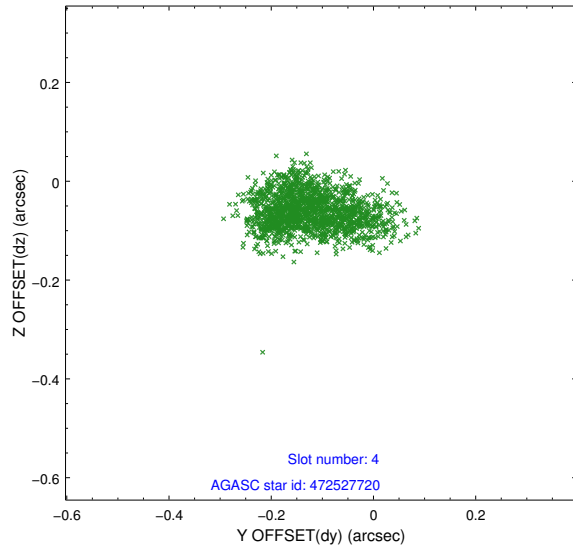
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	779	0.087	-0.129	0.007	0.013	0.000000	0.000000	-1167.58	-460.96
1	FID	HRC-S-2	7.01	779	0.218	-0.119	0.005	0.009	0.000000	0.000000	1230.71	-454.13
2	FID	HRC-S-3	7.01	779	0.085	-0.054	0.007	0.012	0.000000	0.000000	-1168.74	568.05
3	GUIDE	472523760	8.23	1557	0.017	-0.059	0.062	0.099	331.645363	45.403260	1607.99	988.91
4	GUIDE	472527720	6.99	1557	-0.131	-0.063	0.083	0.141	331.460205	45.112509	2281.10	1918.99
5	GUIDE	472533912	9.14	1556	-0.012	-0.002	0.129	0.202	331.791136	46.368695	551.62	-2340.68
6	GUIDE	472535576	7.87	1557	-0.087	0.063	0.068	0.108	331.438373	46.291802	1465.29	-2250.02
7	GUIDE	472665256	9.00	1554	0.198	0.058	0.092	0.149	332.808125	46.195041	-1809.42	-1238.59

2.4 Star Slots

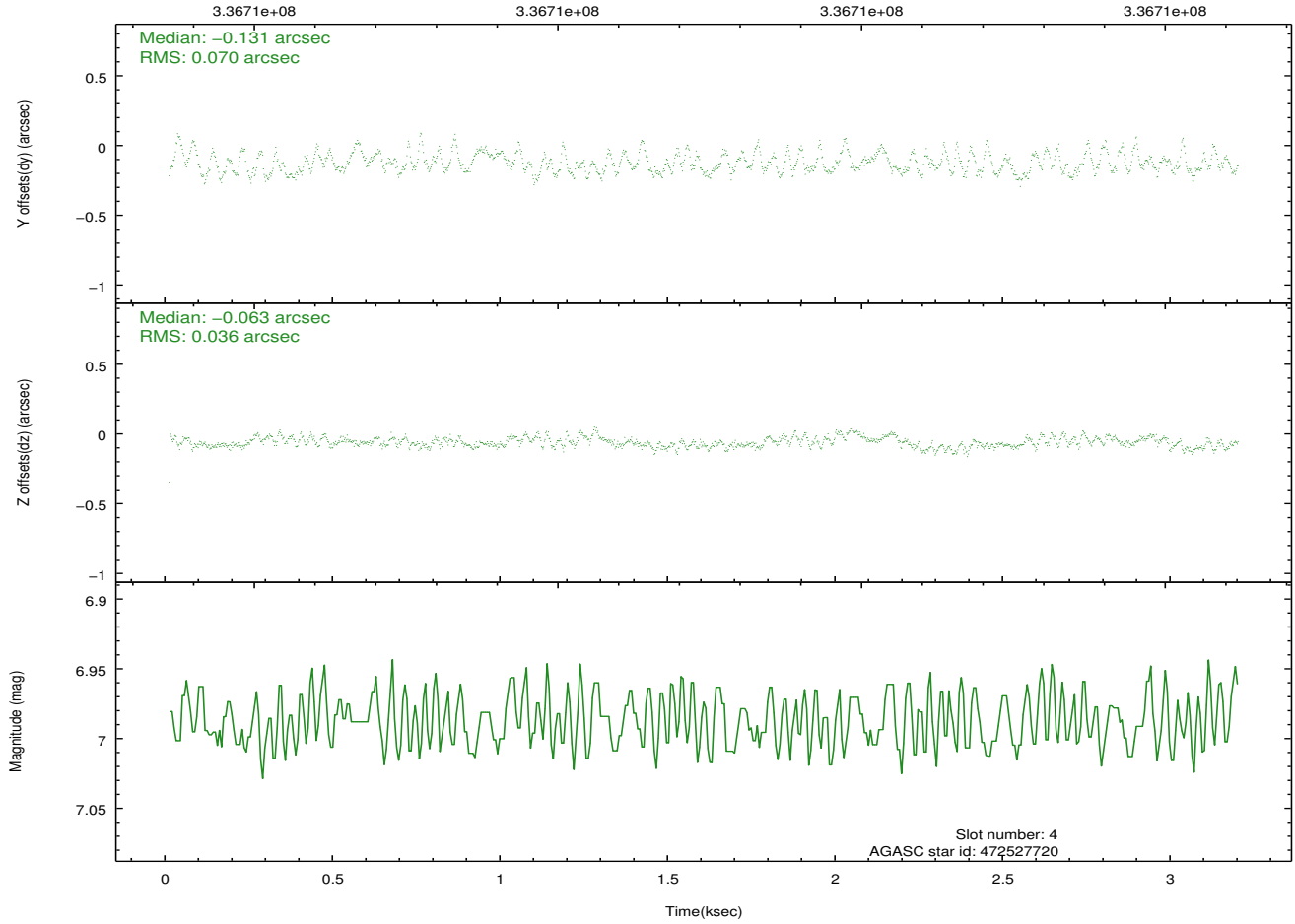
2.4.1 Slot 3



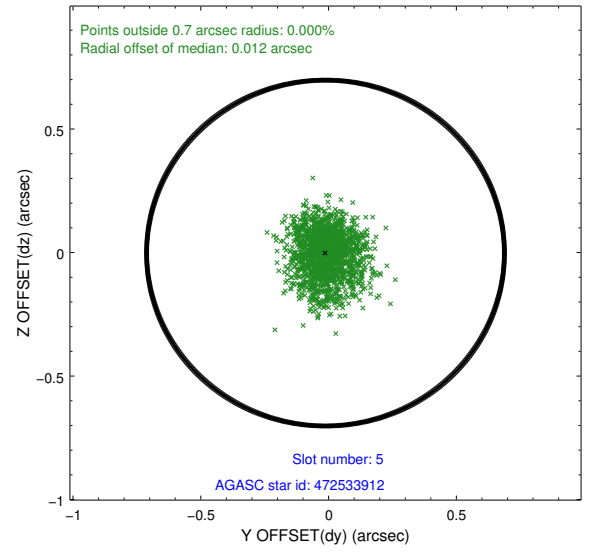
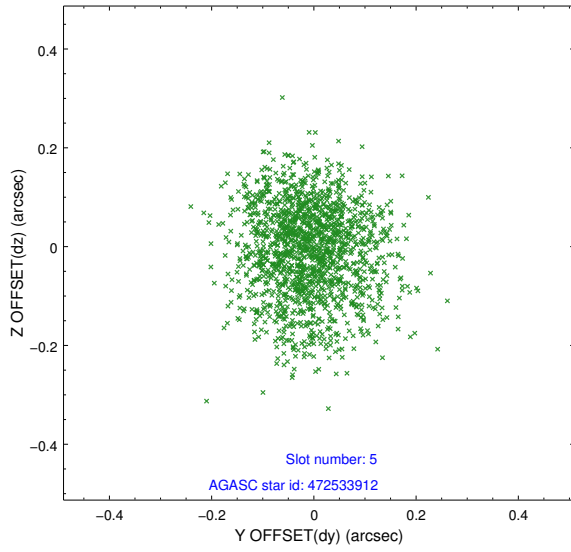
2.4.2 Slot 4



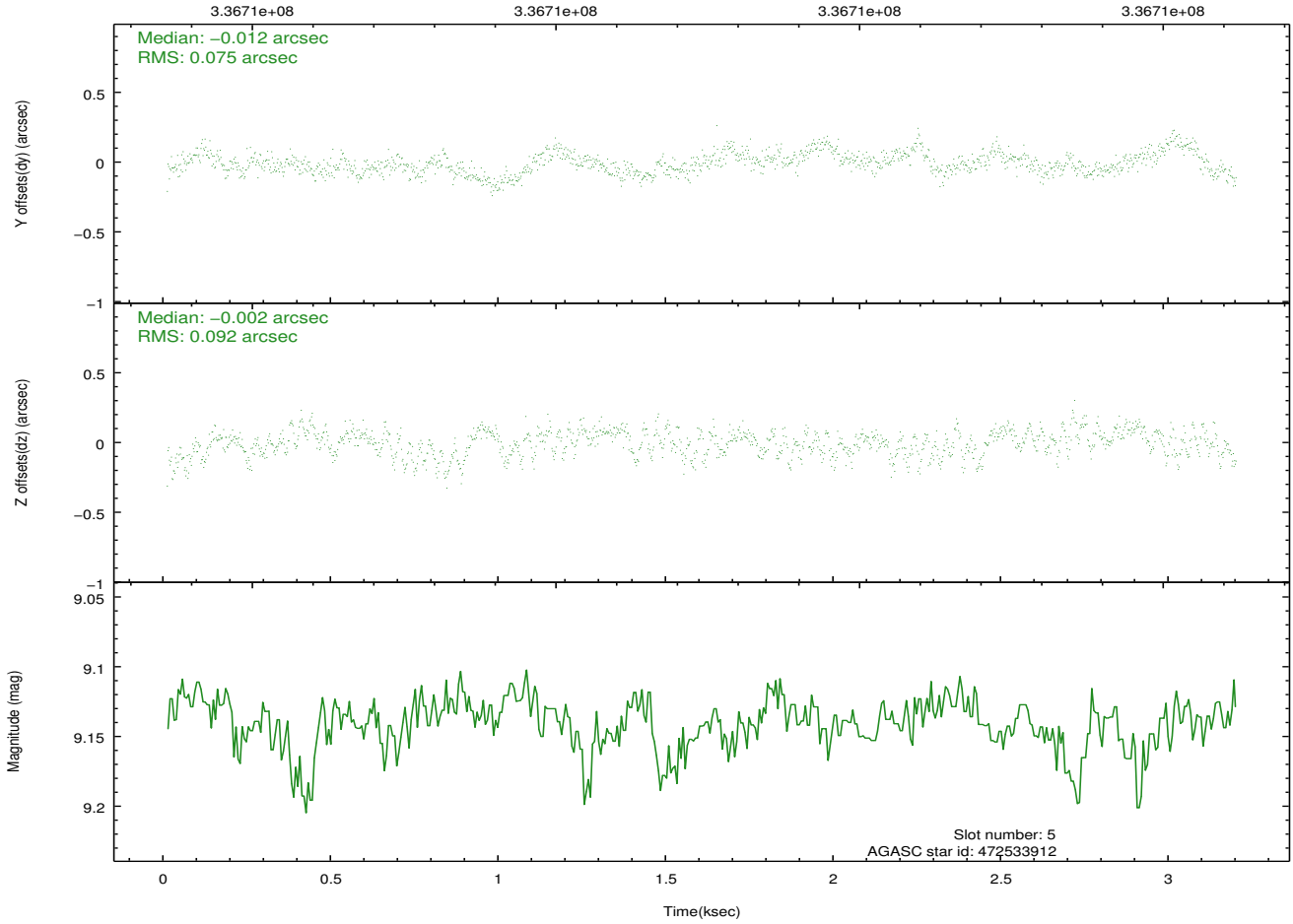
Time (s)



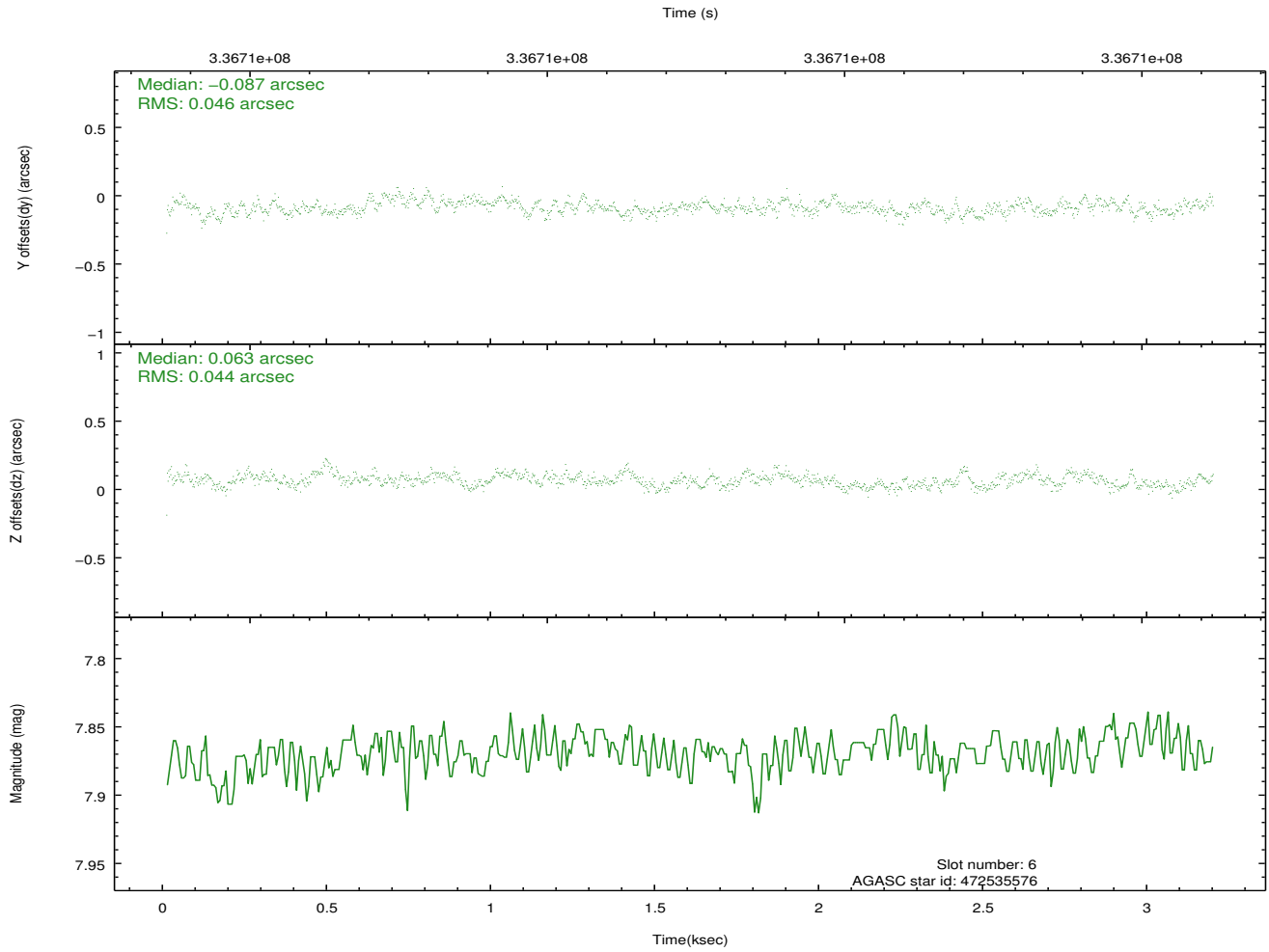
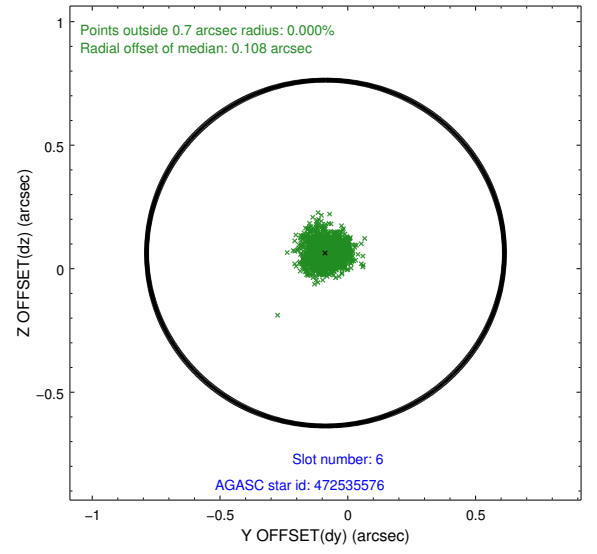
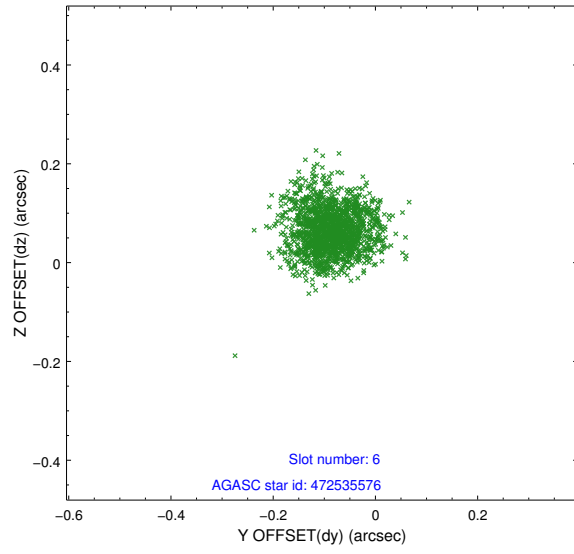
2.4.3 Slot 5



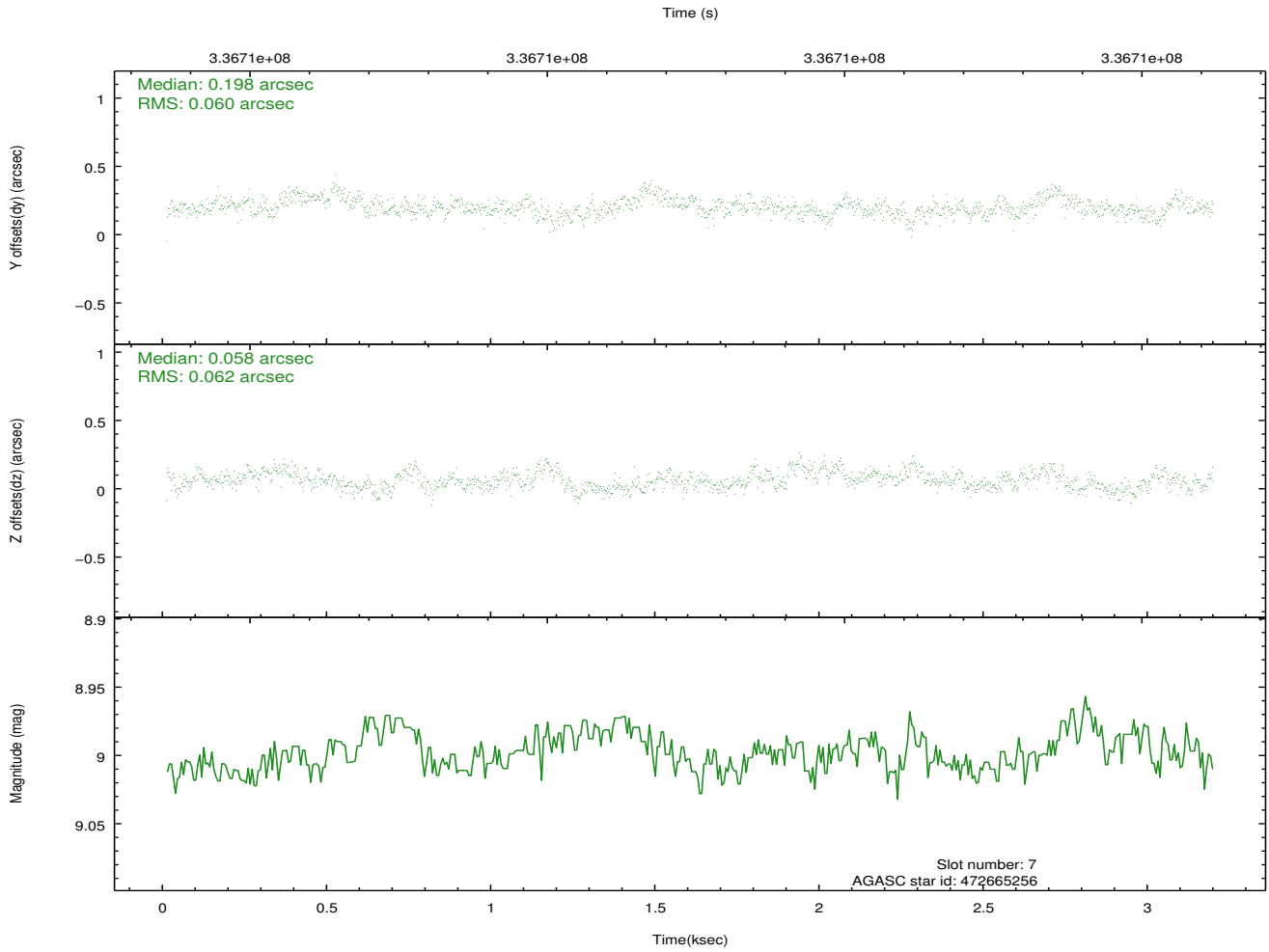
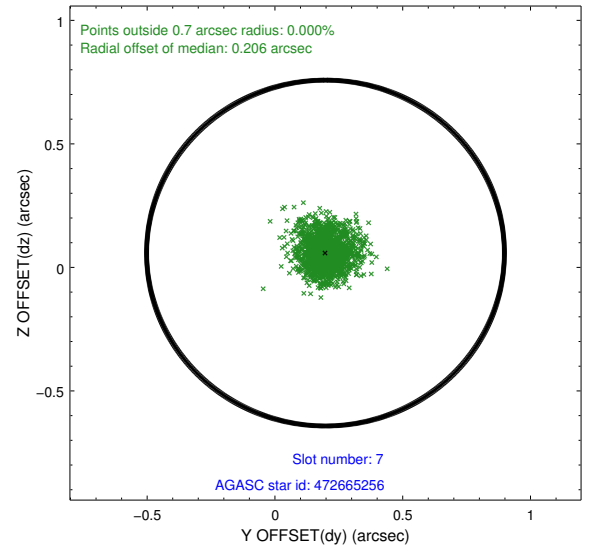
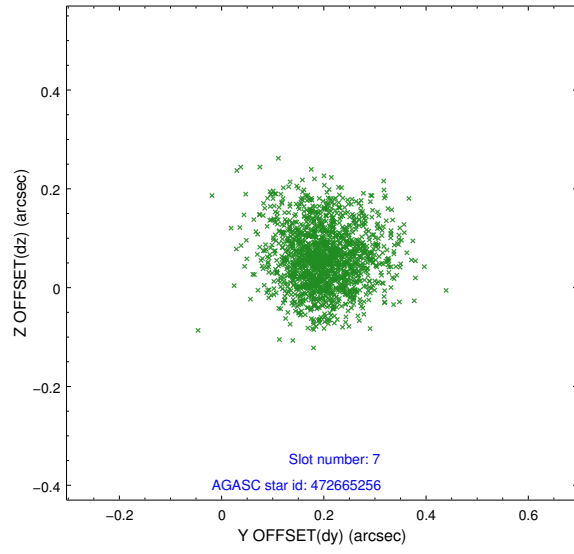
Time (s)



2.4.4 Slot 6

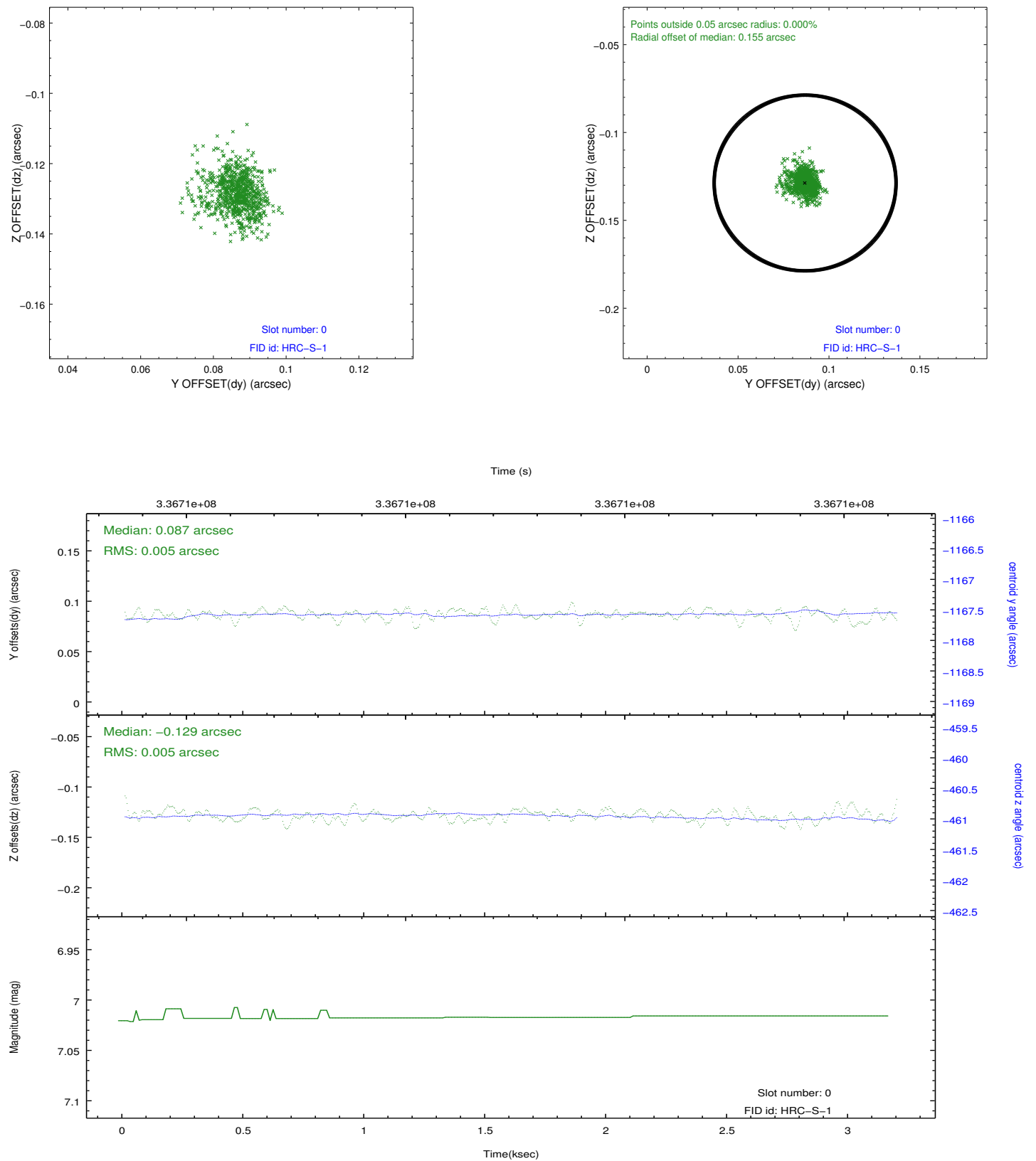


2.4.5 Slot 7

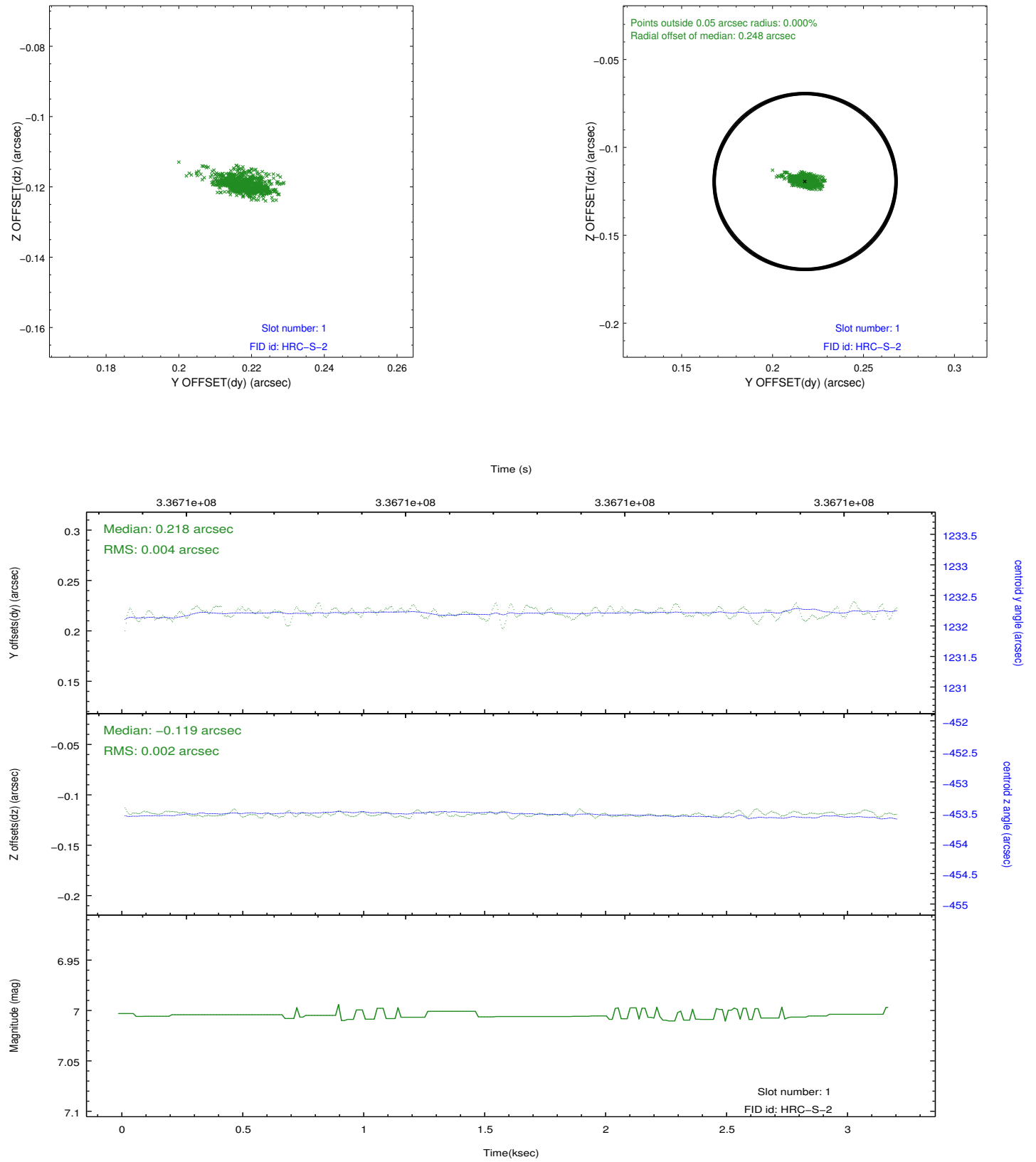


2.5 FID Slots

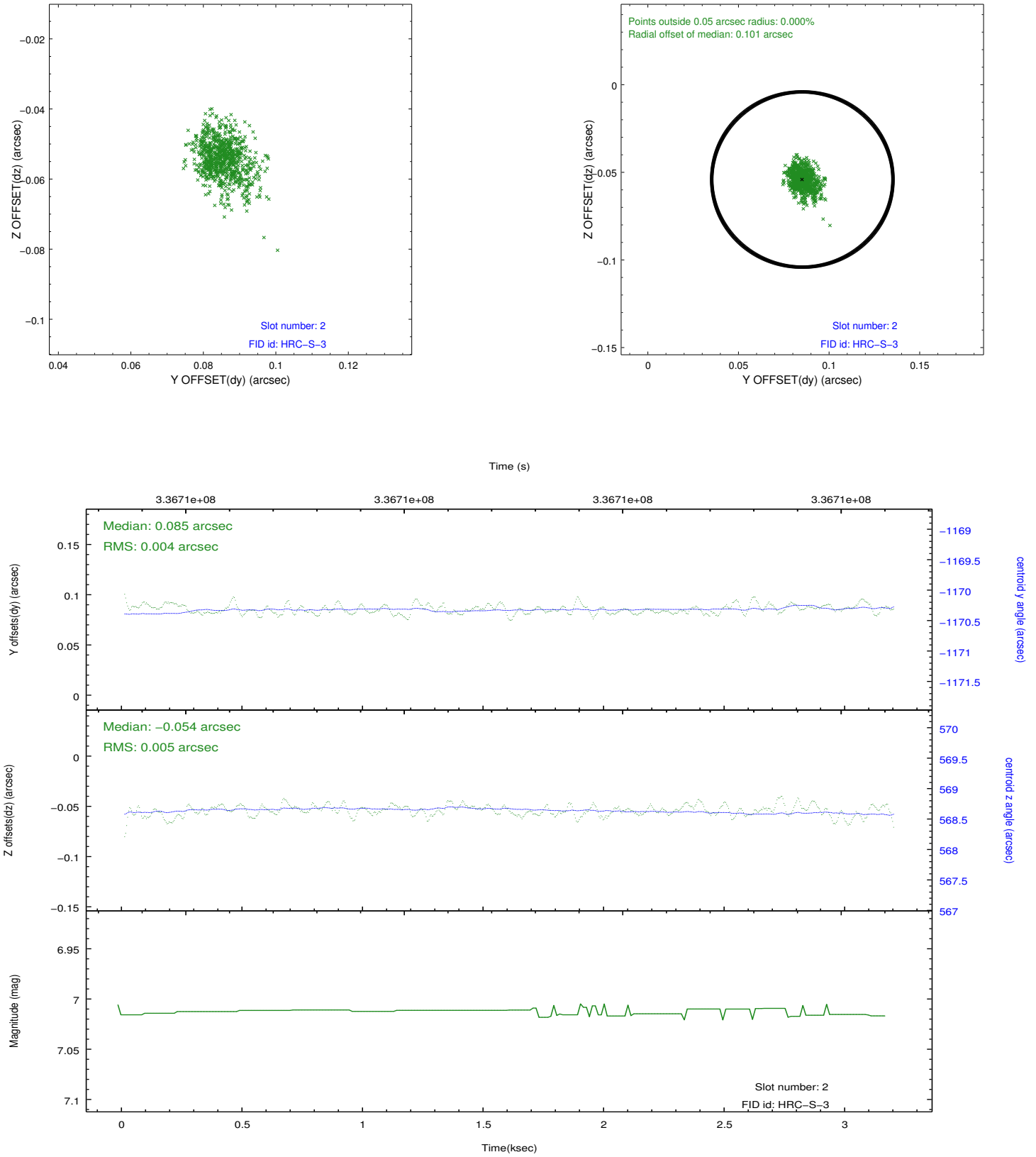
2.5.1 Slot 0



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)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1890314

A.2 Comments

Window constraint met.