

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5080 - L2 Version 4
Chandra X-Ray Center

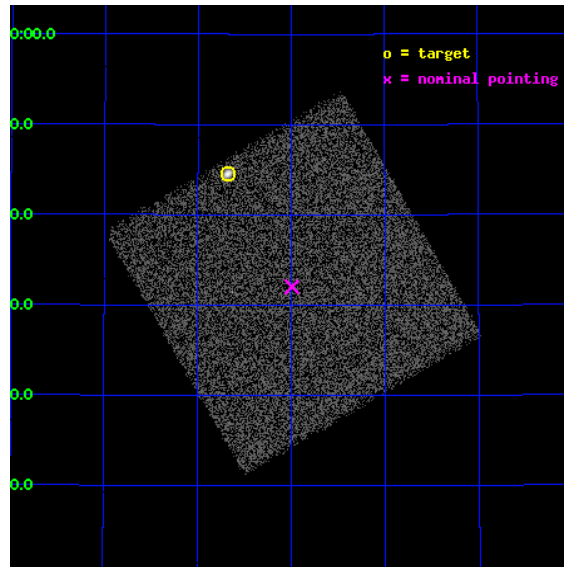
L2 Processing Date : Dec 11 2012

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

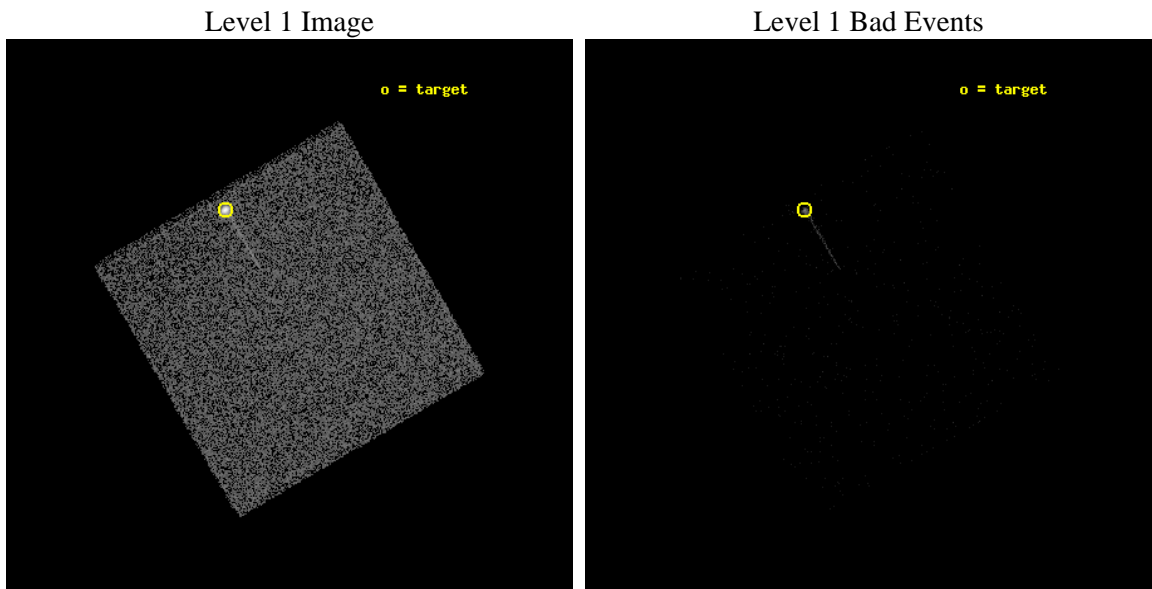
seq_num	290353	Sequence number
obs_id	5080	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.99838148316	Nominal RA [deg]
dec_nom	45.53402457443	Nominal Dec [deg]
roll_nom	284.84076948735	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1081.6312986314	[s]
livetime	1073.9422329026	Ontime multiplied by DTCOR
l2events	42163	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1081.6312986314	[s]
caldbver	4.5.4	 	l1events	80345	Number of level 1 events
date	2012-12-11T23:54:08	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

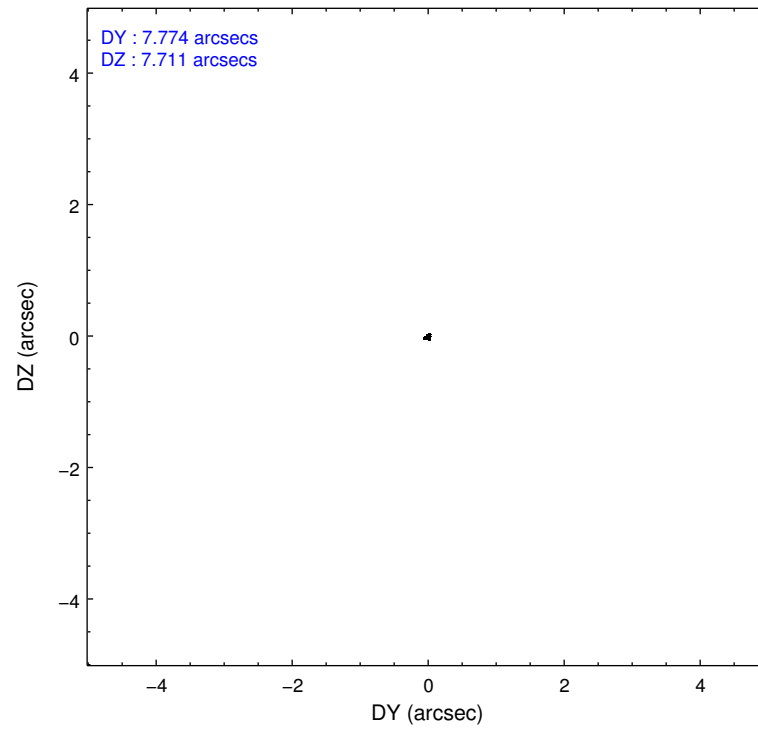
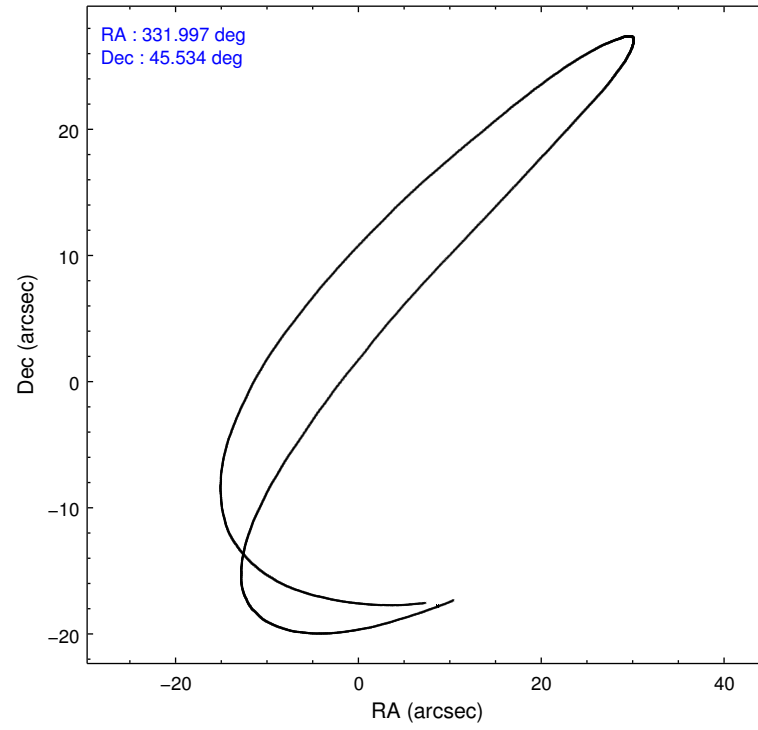
Level 1 Events

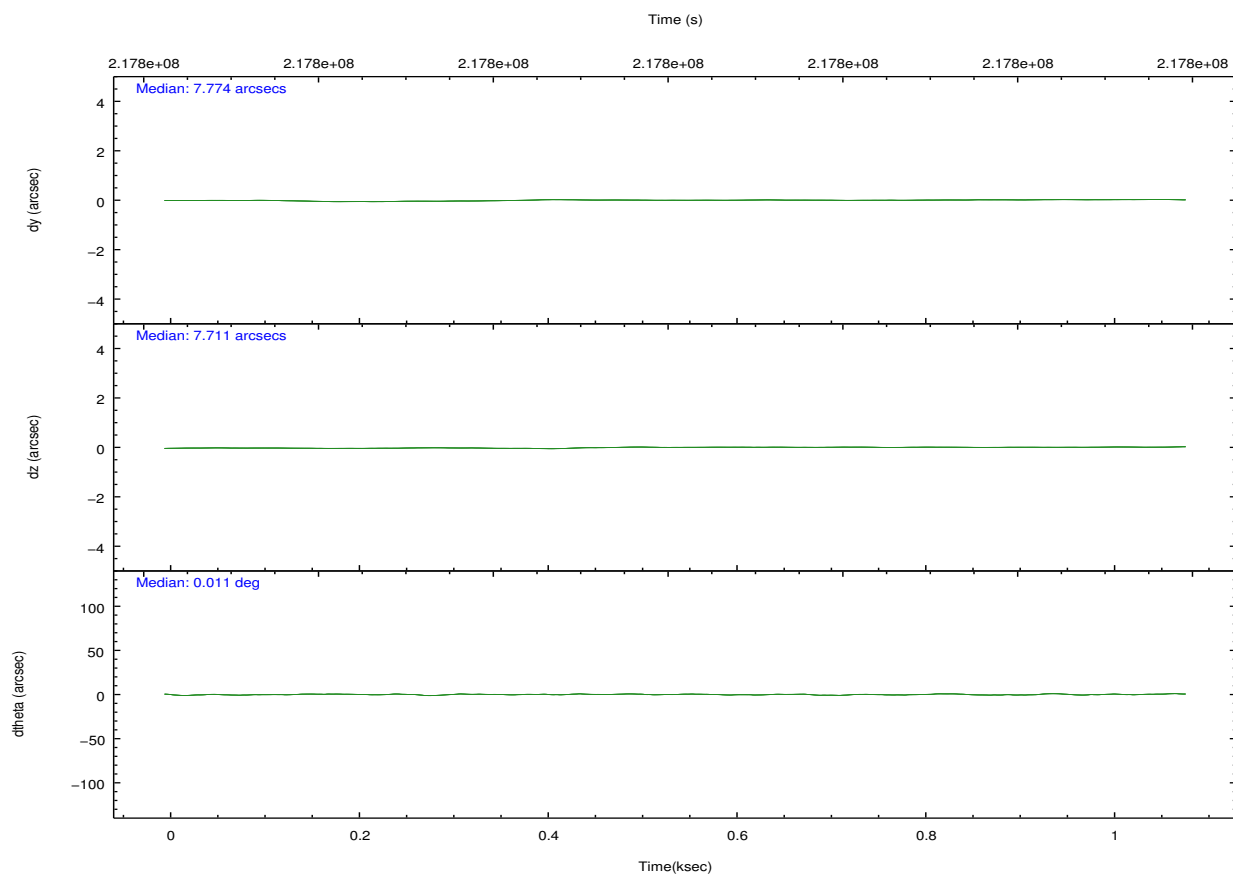
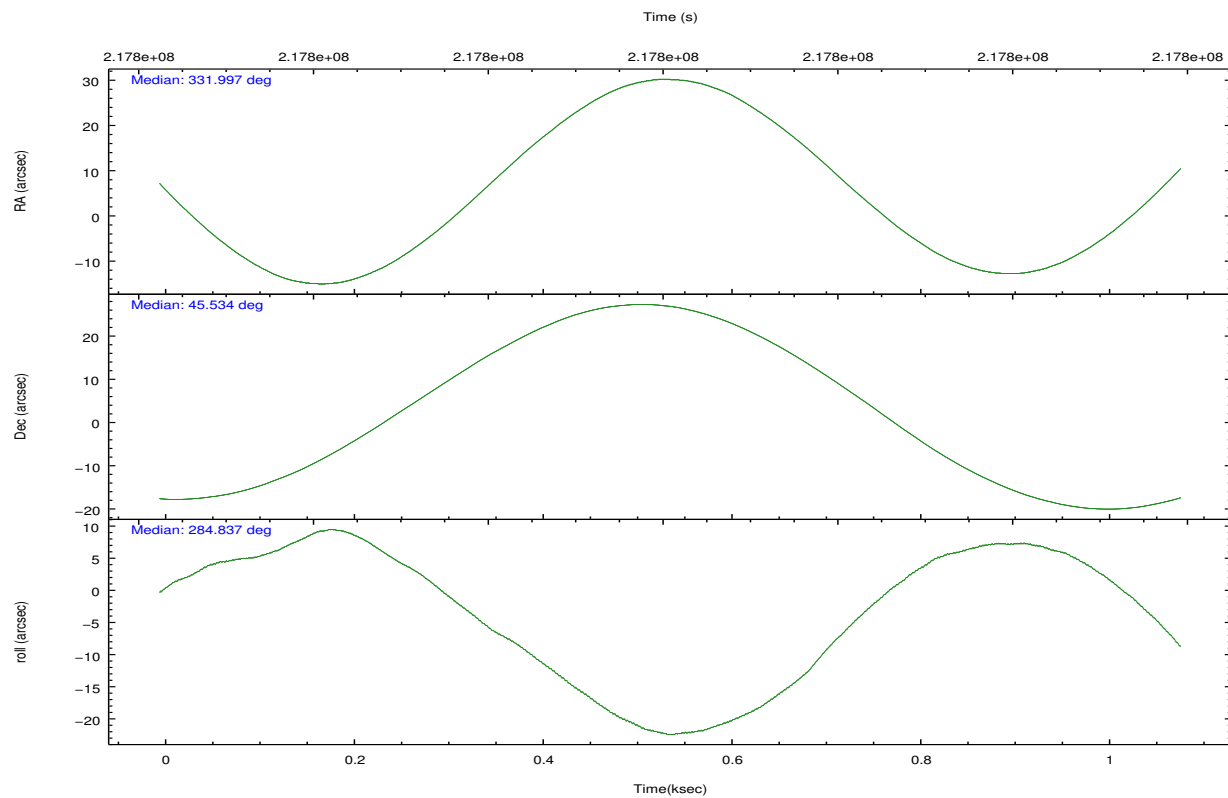
	segment 0
level 1 events	80345
rejected events	18667
rejected %	23%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	331.972066	331.9983814831631			
[deg] Pointing Dec	45.553074	45.53402457443018			
[deg] Pointing Roll	284.955004	284.8407694873516			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	217802847.184000	217802471.60897			
Observation start date	2004-11-25T20:46:23	2004-11-25T20:41:11			
[s] Observation end time (MET)	217803747.184000	217803880.98404			
Observation end date	2004-11-25T21:01:23	2004-11-25T21:04:40			

2.3 Aspect



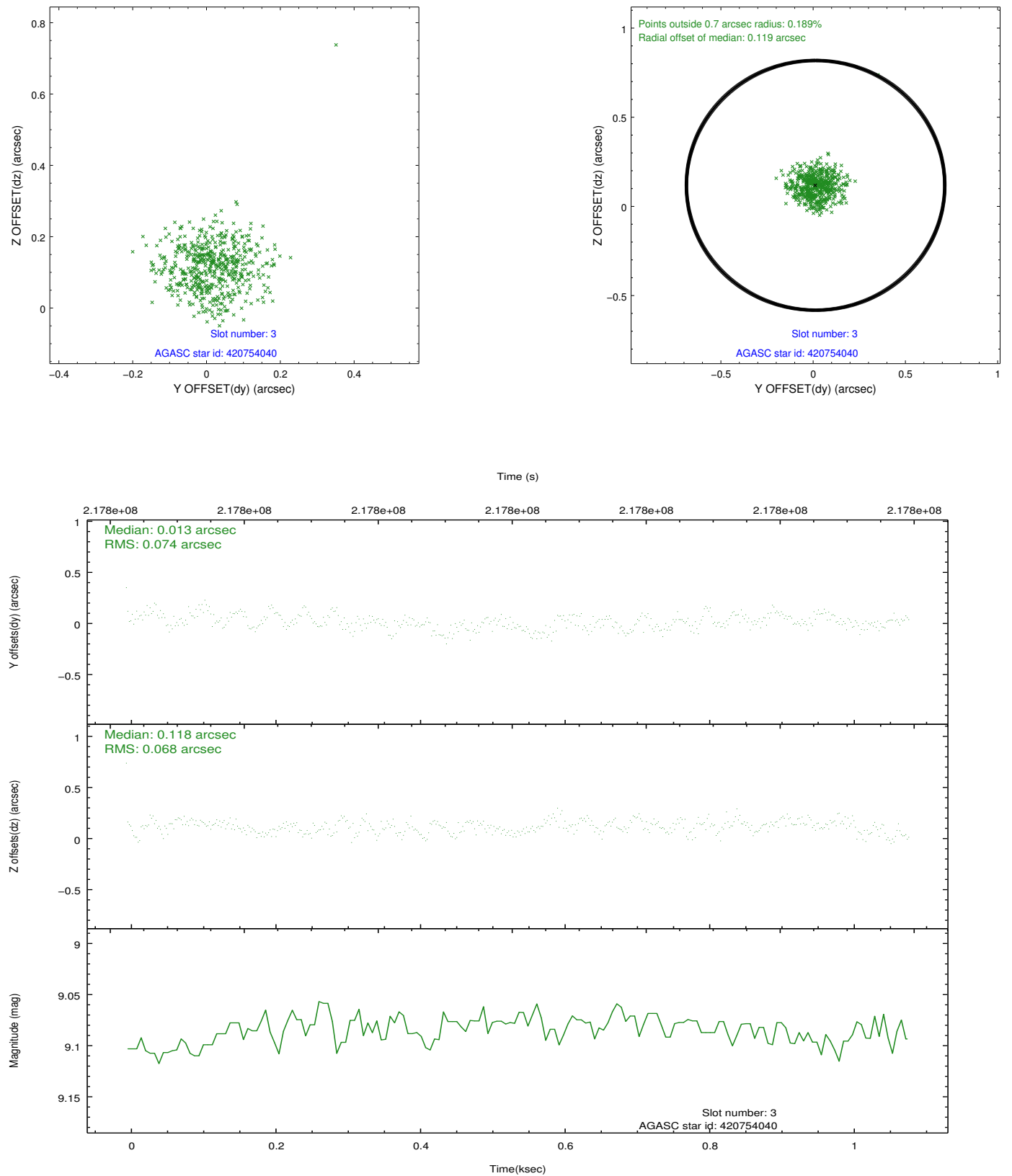


Slot Statistics

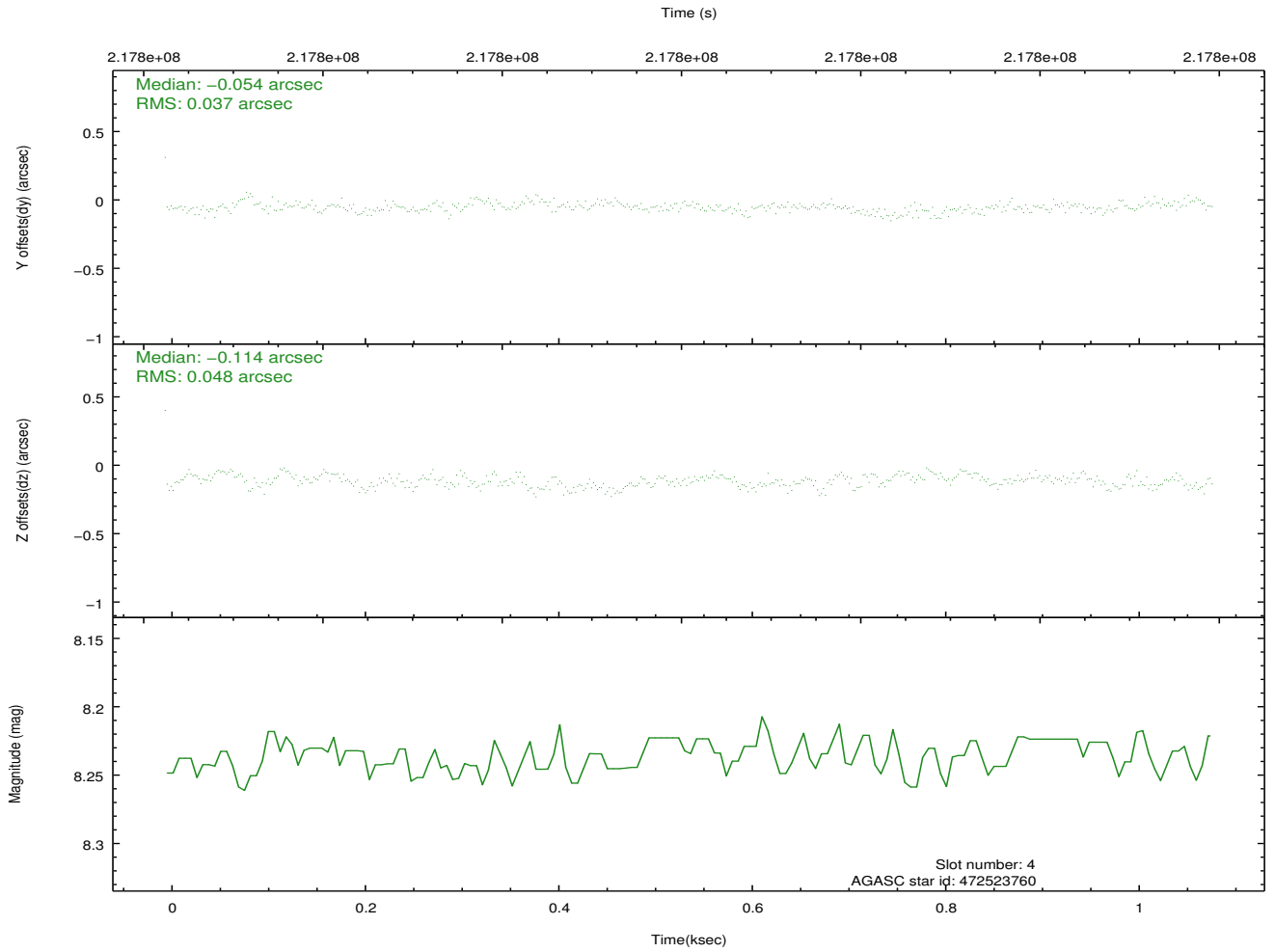
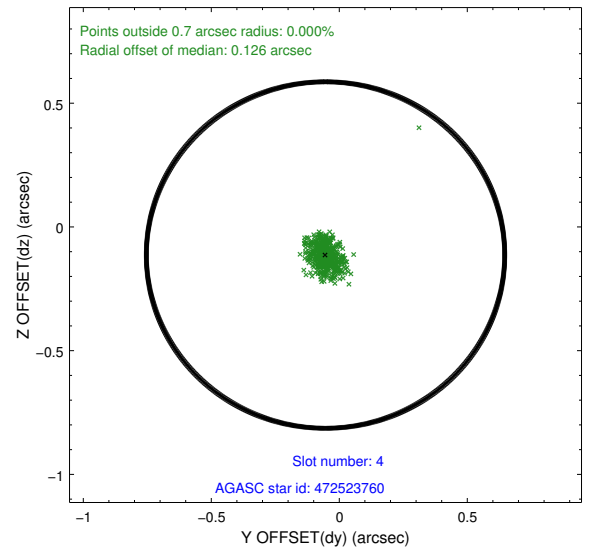
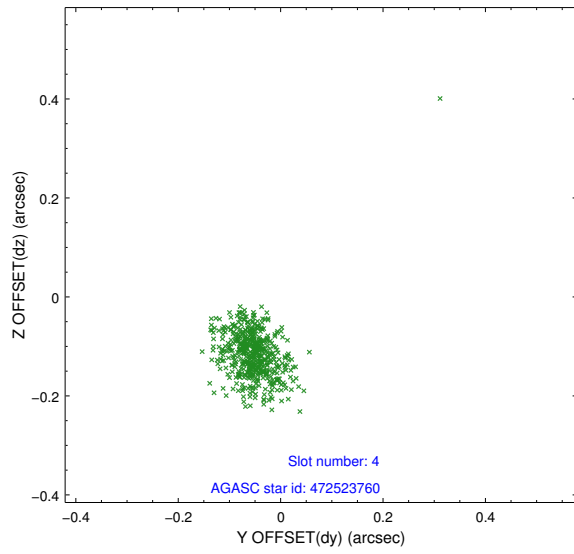
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	264	0.042	0.005	0.007	0.011	0.000000	0.000000	-763.39	-1295.58
1	FID	HRC-I-3	7.09	264	-0.069	-0.053	0.007	0.014	0.000000	0.000000	-1194.78	1004.04
2	FID	HRC-I-4	7.04	264	0.141	-0.041	0.006	0.008	0.000000	0.000000	1275.07	1010.25
3	GUIDE	420754040	9.09	529	0.013	0.118	0.103	0.163	331.917939	44.882543	2297.12	-751.21
4	GUIDE	472523760	8.23	529	-0.054	-0.114	0.059	0.096	331.645363	45.403260	311.32	-933.86
5	GUIDE	472527720	7.01	529	-0.016	0.025	0.081	0.136	331.460205	45.112509	1194.06	-1662.01
6	GUIDE	472654568	9.44	529	0.153	-0.149	0.091	0.148	332.194449	45.063576	1850.68	92.88
7	GUIDE	472655152	9.43	522	-0.099	0.121	0.128	0.207	332.504239	45.862991	-733.86	1582.46

2.4 Star Slots

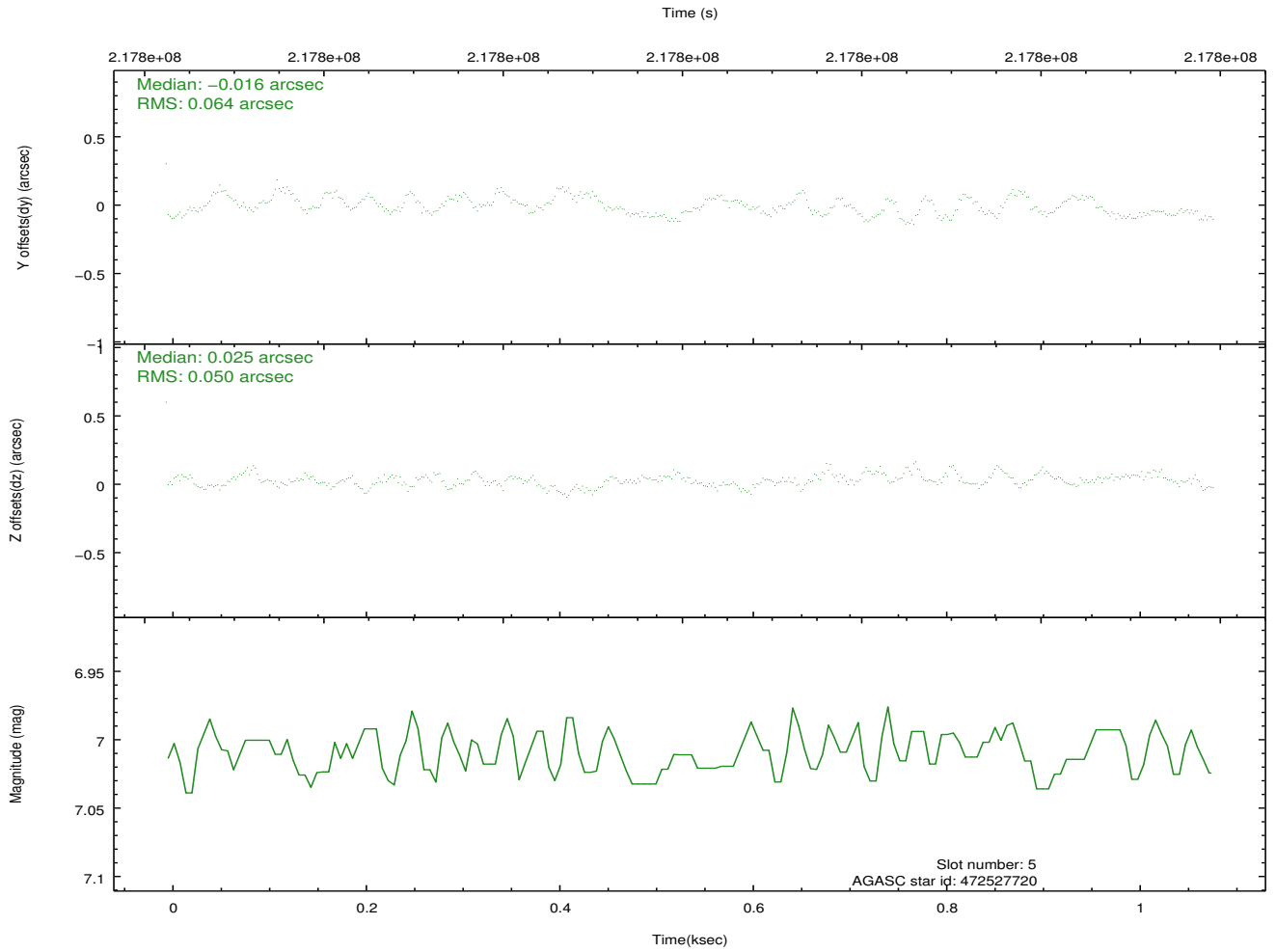
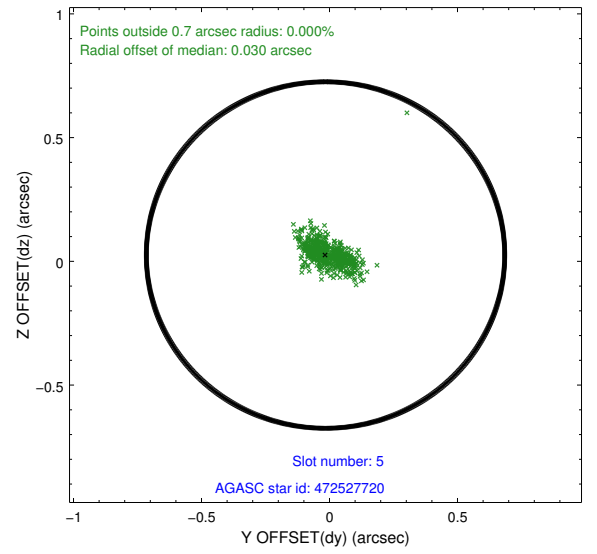
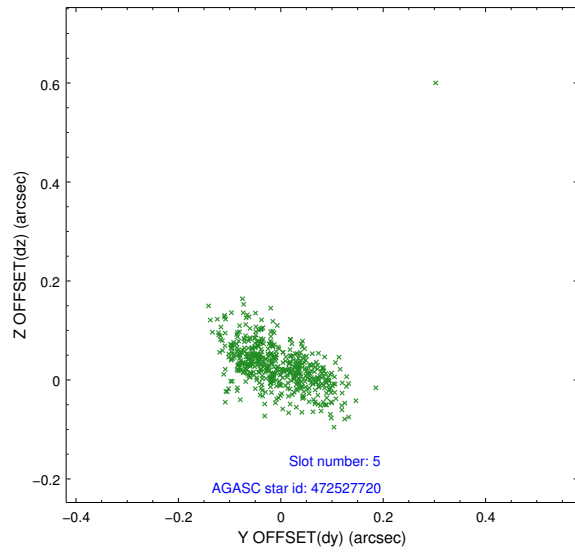
2.4.1 Slot 3



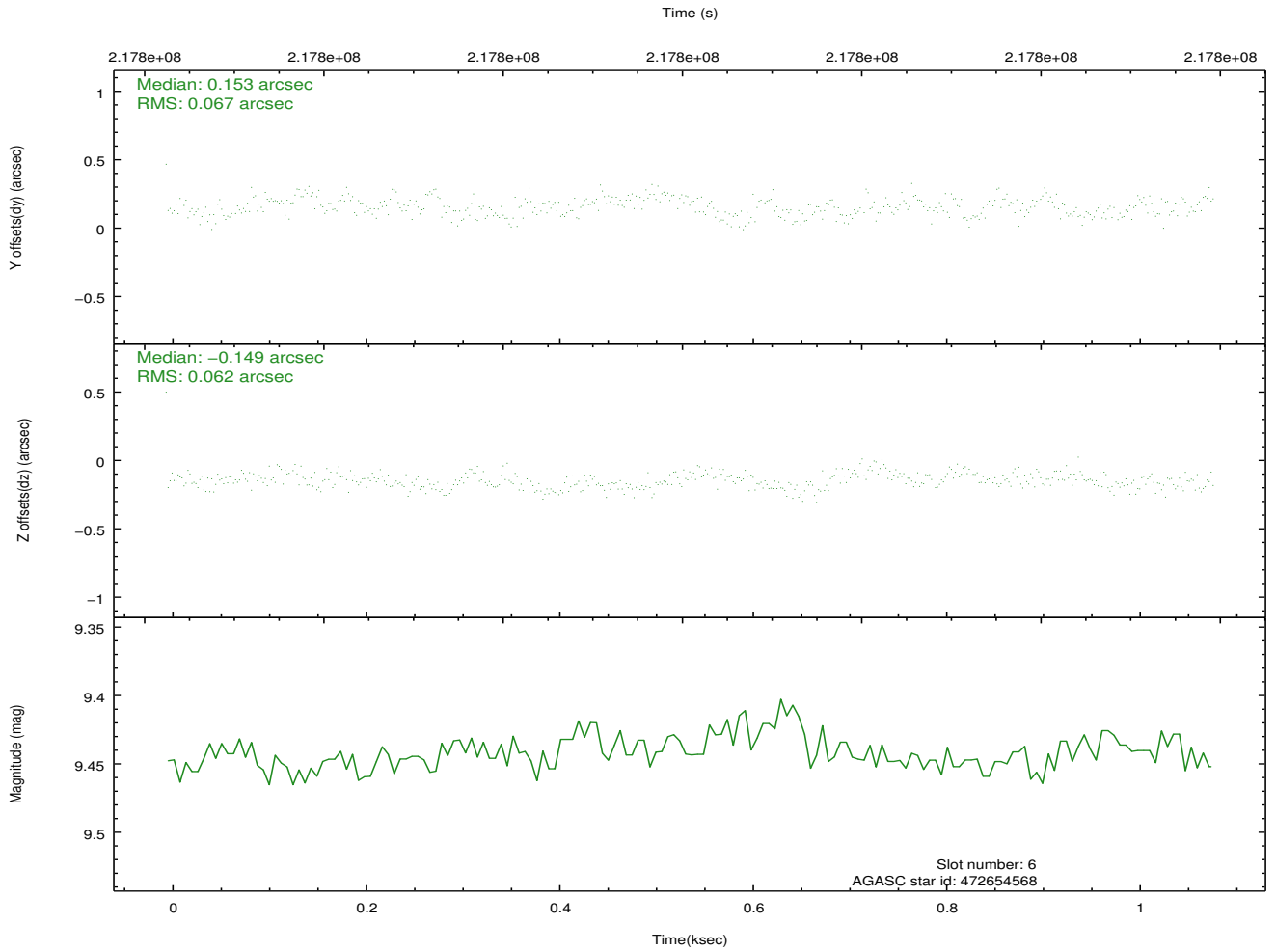
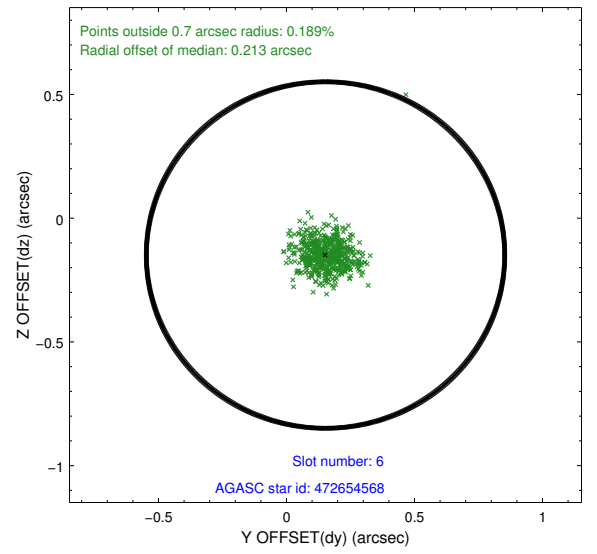
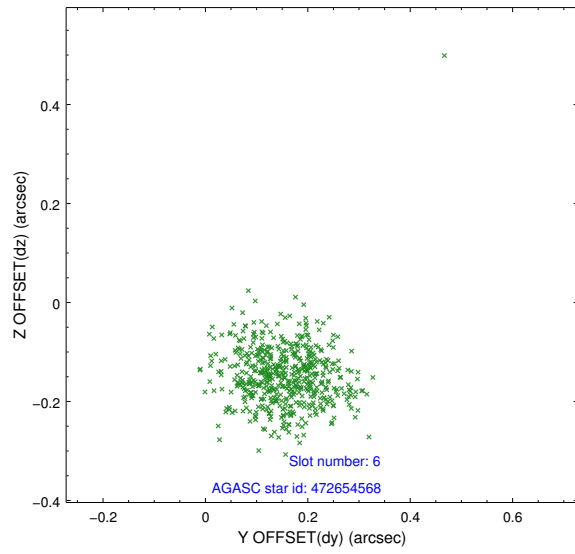
2.4.2 Slot 4



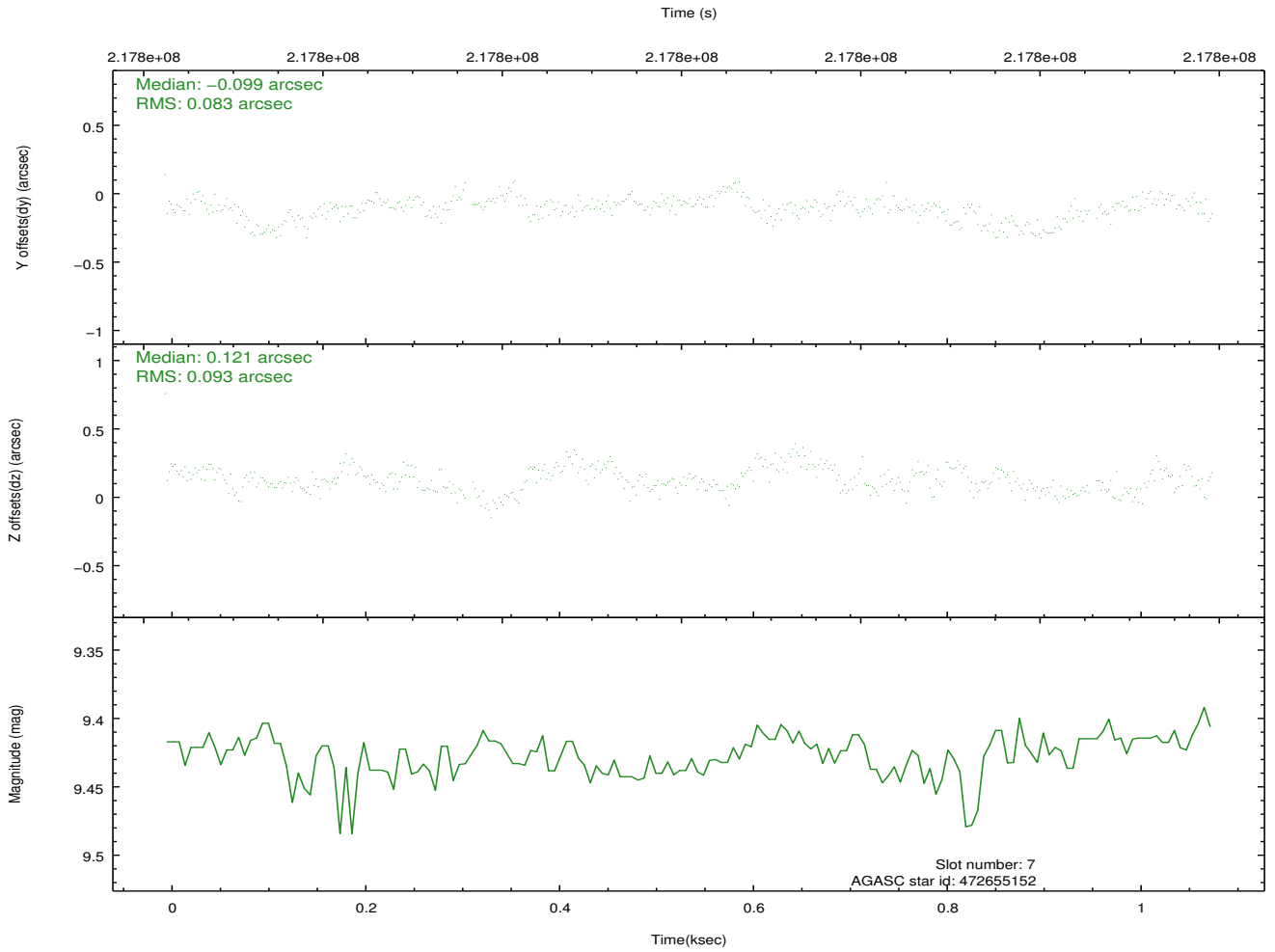
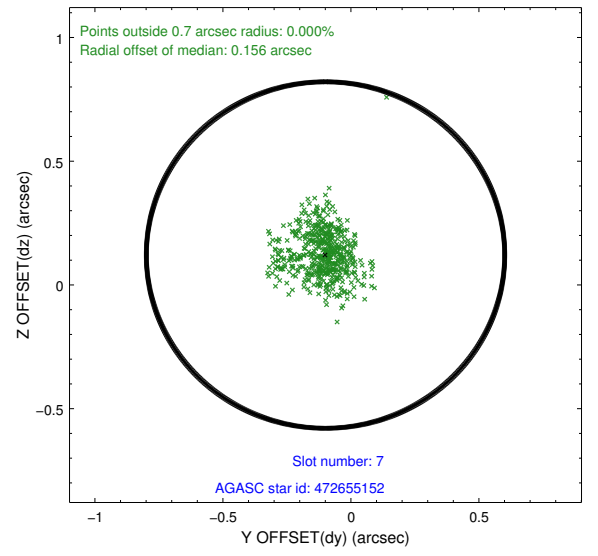
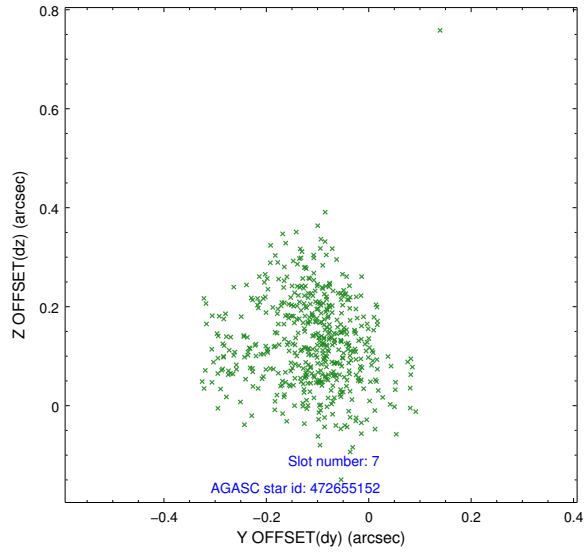
2.4.3 Slot 5



2.4.4 Slot 6

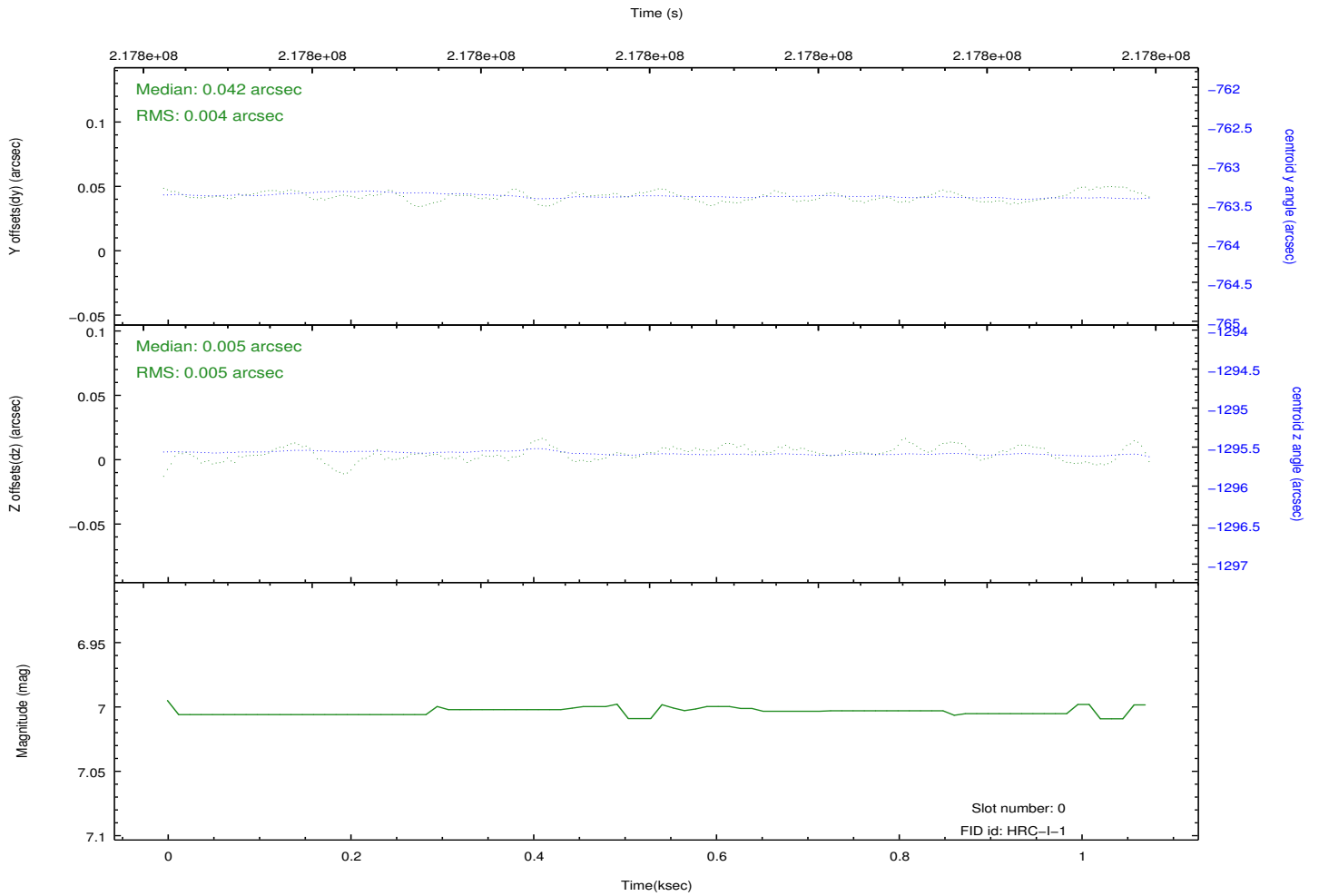
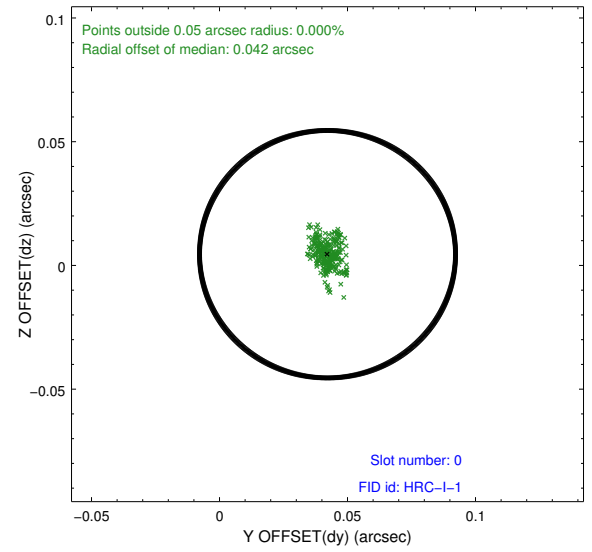
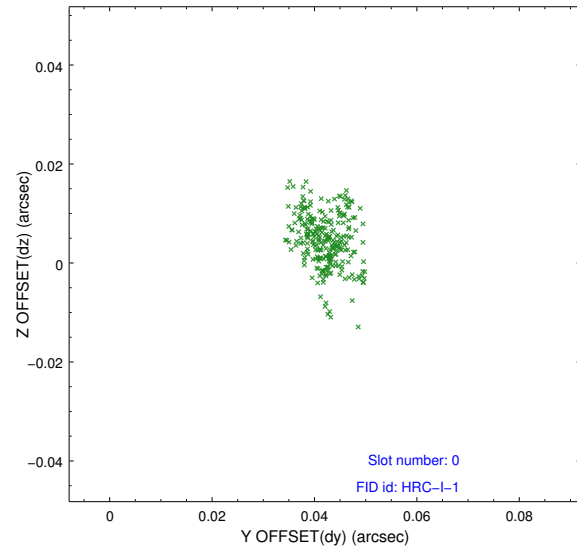


2.4.5 Slot 7

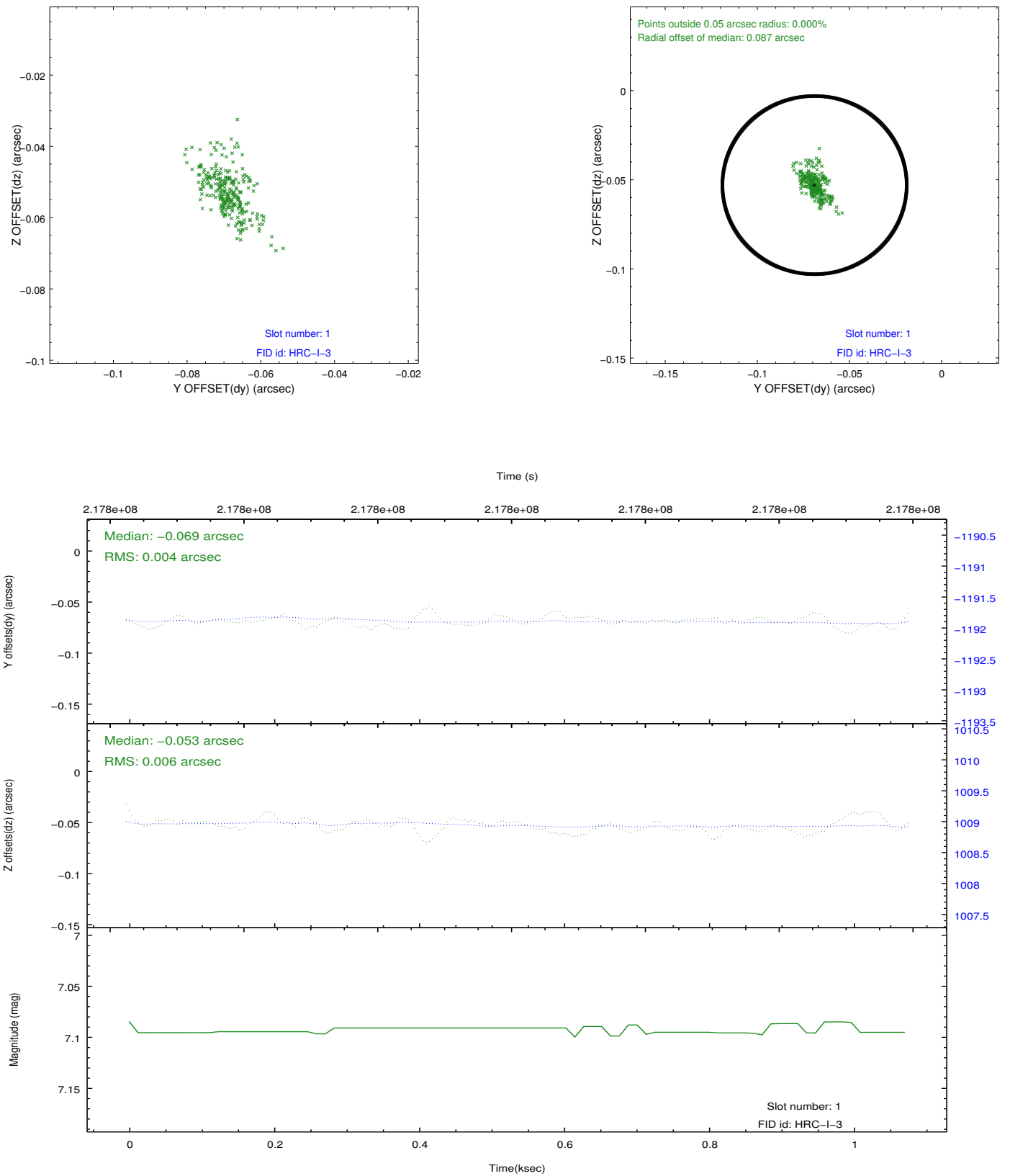


2.5 FID Slots

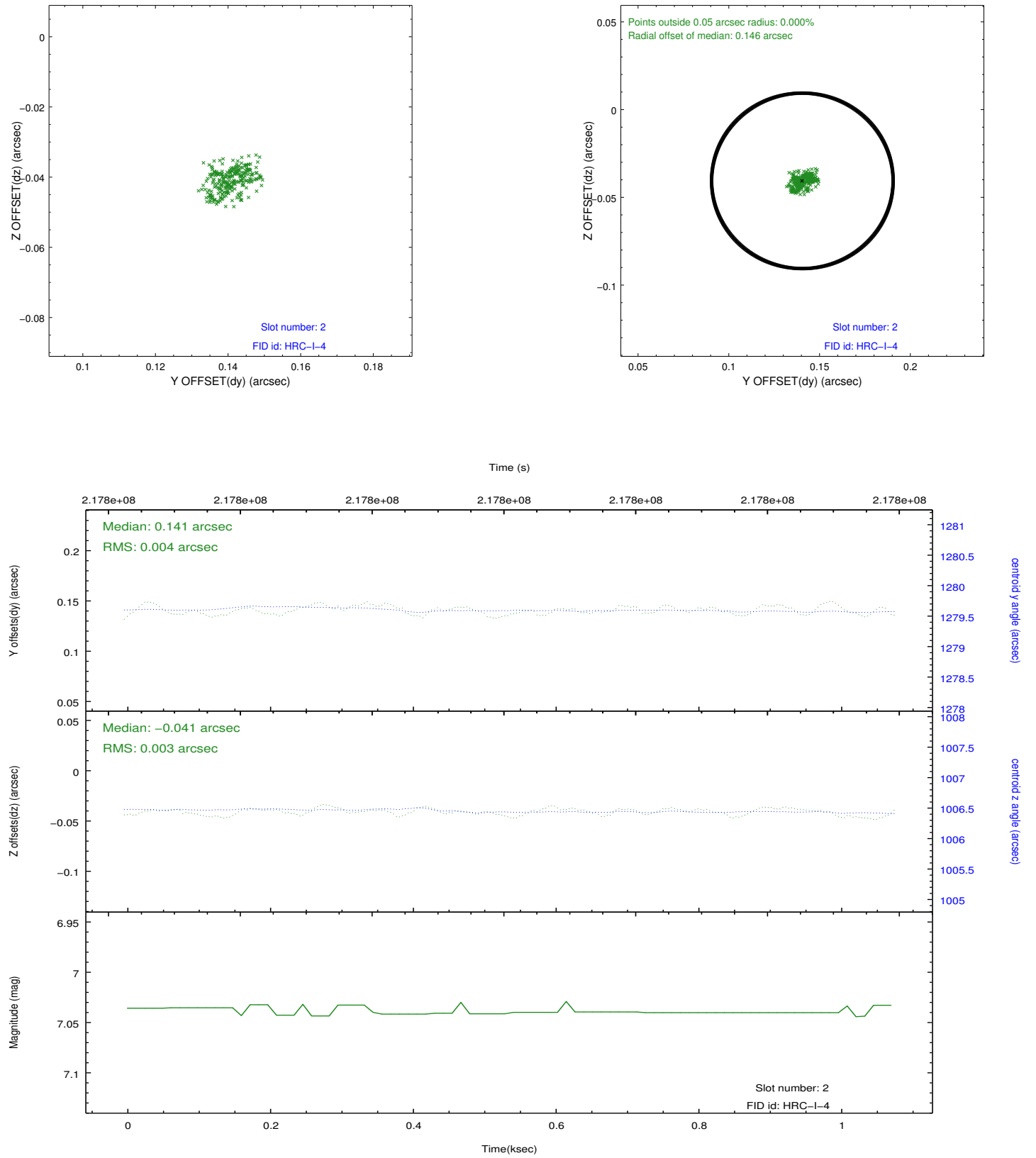
2.5.1 Slot 0



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)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.081631

A.2 Comments