

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18931 - L2 Version 1
Chandra X-Ray Center

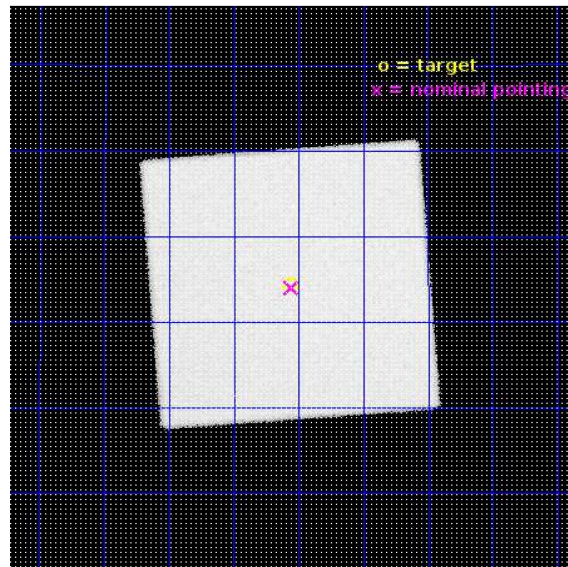
L2 Processing Date : Apr 6 2017

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1 Front

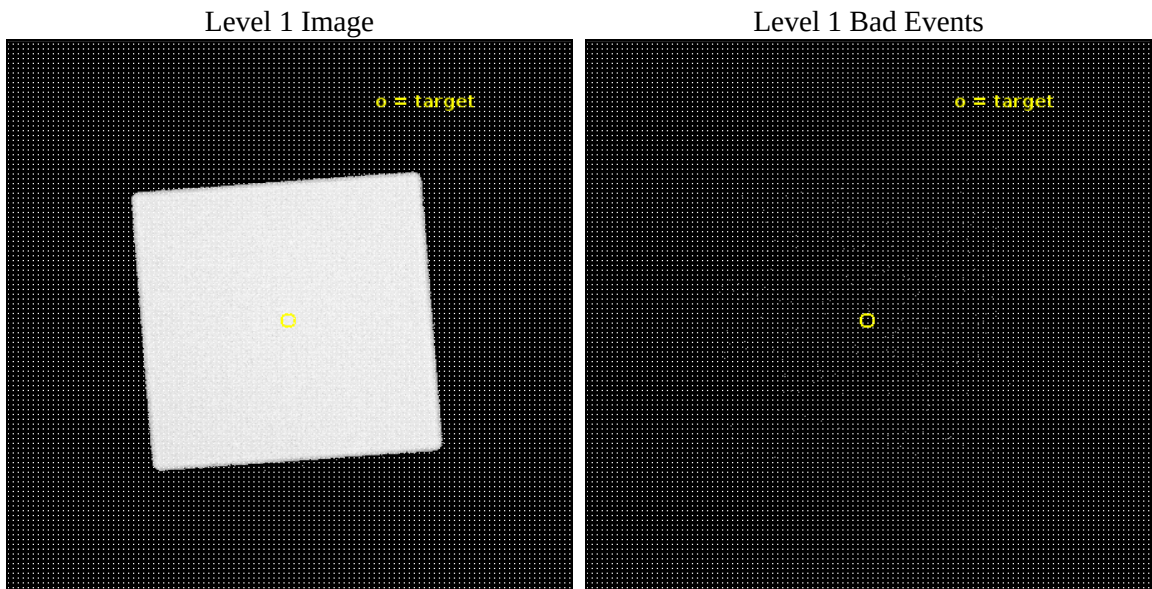
seq_num	201124	Sequence number
obs_id	18931	Observation id
title	What is the hottest cool star?	Proposal title
observer	Hans Guenther	Principal investigator
object	beta Leo	Source name
ra_targ	177.265	Observer's specified target RA [deg]
dec_targ	14.572056	Observer's specified target Dec [deg]
ra_nom	177.26379627138	Nominal RA [deg]
dec_nom	14.566883053641	Nominal Dec [deg]
roll_nom	220.6389896035	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10175.175591469	[s]
livetime	10051.92272652	Ontime multiplied by DTCOR
l2events	1037080	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	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	10175.175591469	[s]
caldbver	4.7.3	 	l1events	1398042	Number of level 1 events
date	2017-04-06T07:29:58	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

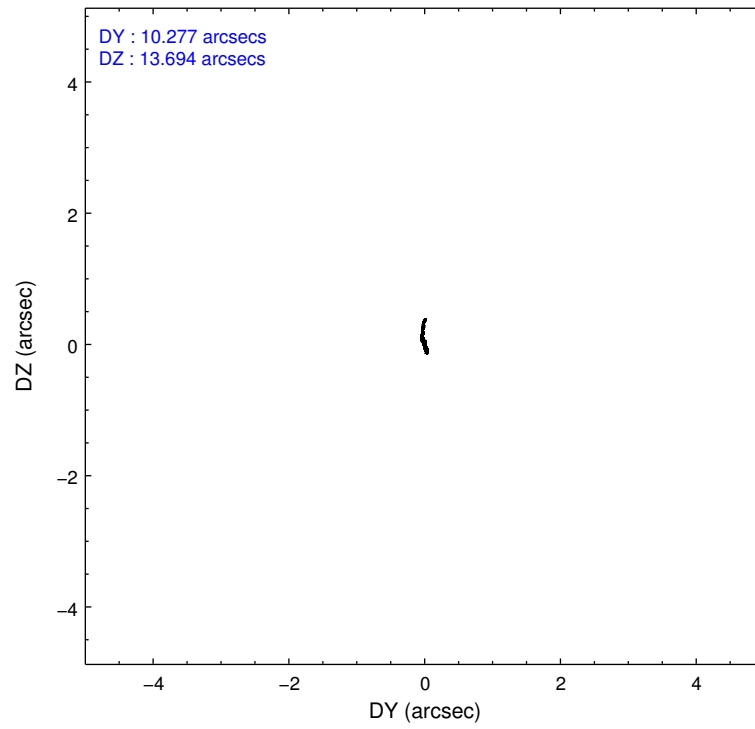
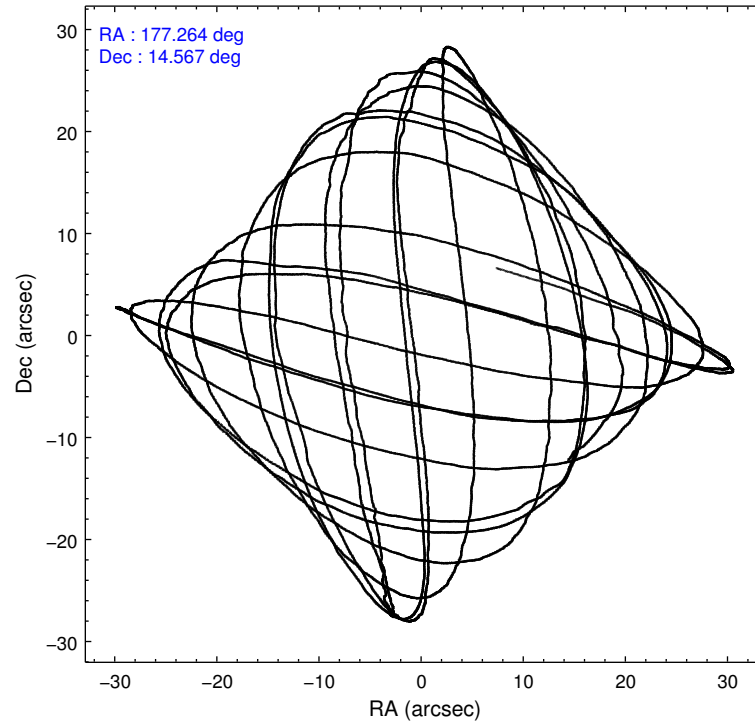
Level 1 Events

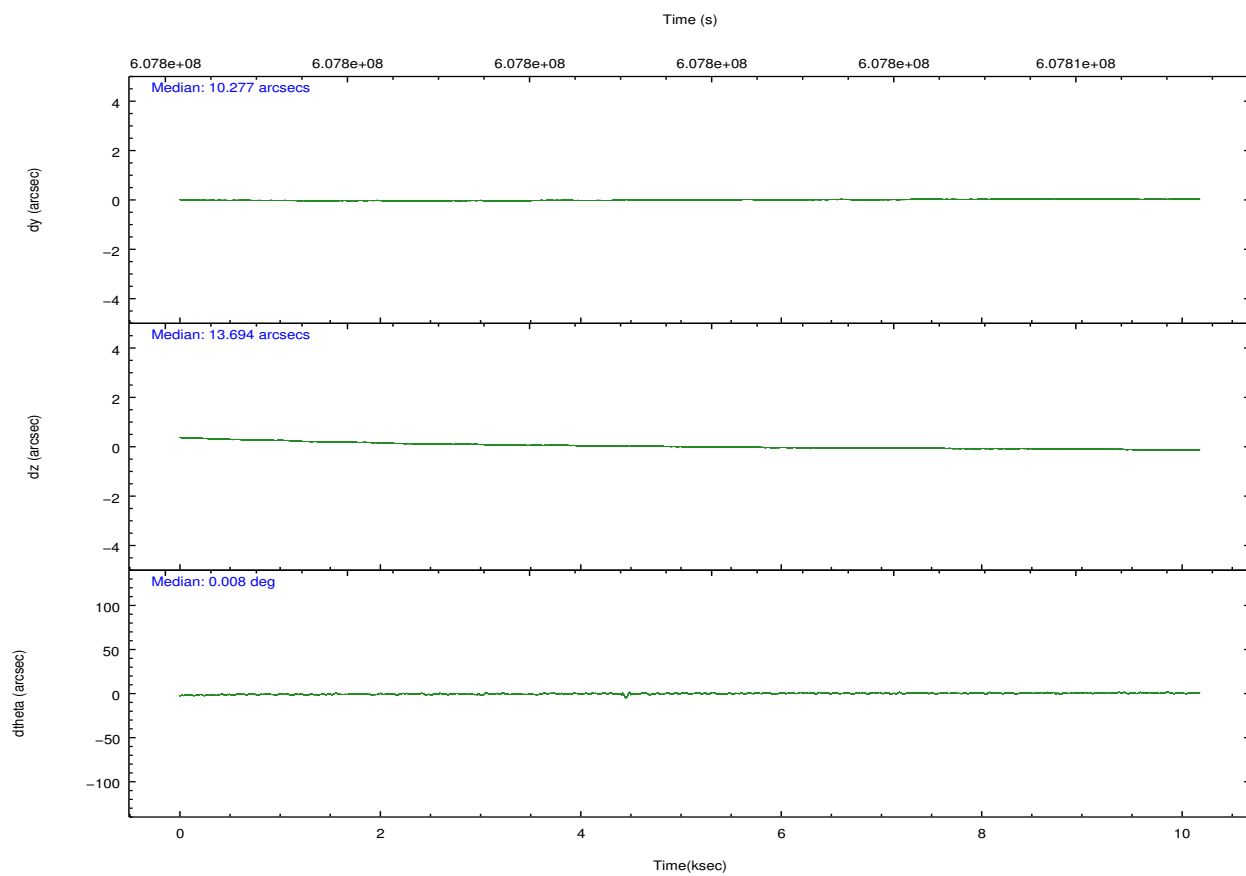
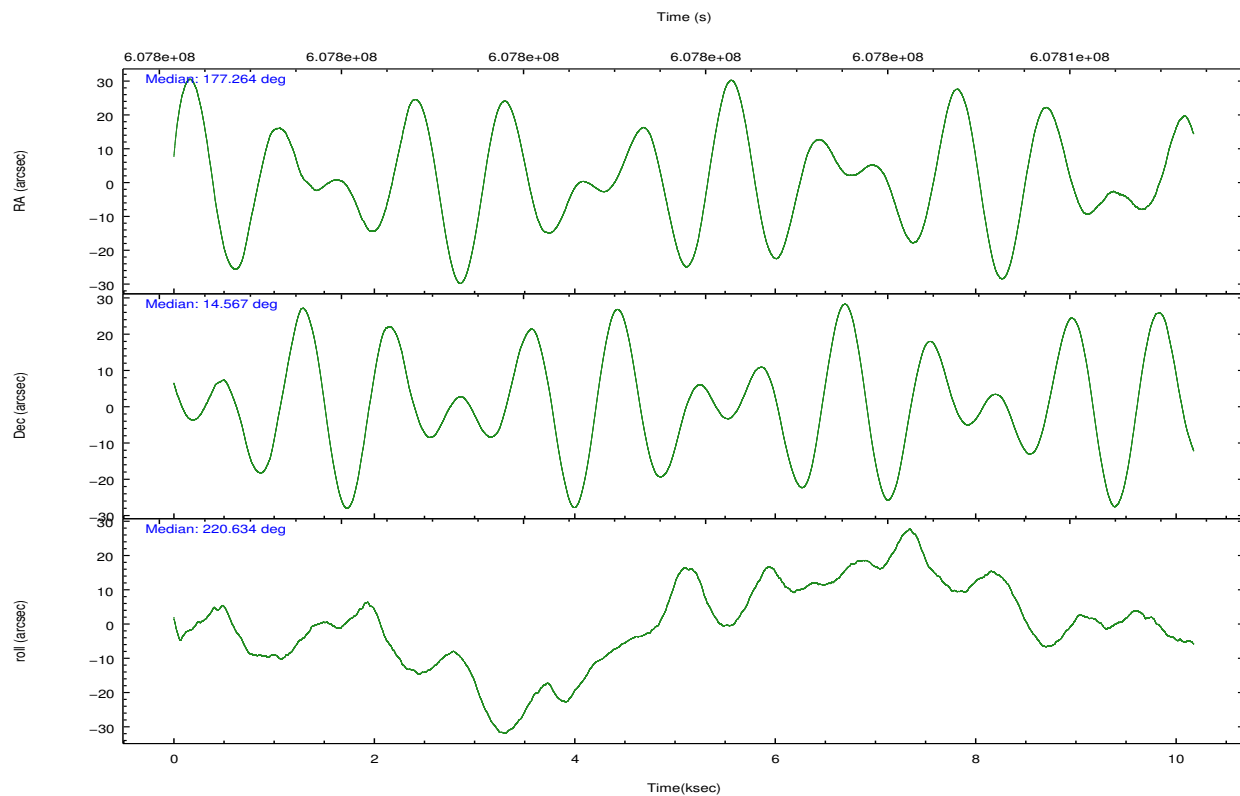
	segment 0
level 1 events	1398042
rejected events	22913
rejected %	1%

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	177.272358	177.2637962713756			
[deg] Pointing Dec	14.592795	14.56688305364143			
[deg] Pointing Roll	220.732308	220.6389896035003			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	607796849.184000	607795949.22501			
Observation start date	2017-04-05T16:26:20	2017-04-05T16:12:29			
[s] Observation end time (MET)	607806849.184000	607807590.66318			
Observation end date	2017-04-05T19:13:00	2017-04-05T19:26:30			

2.3 Aspect



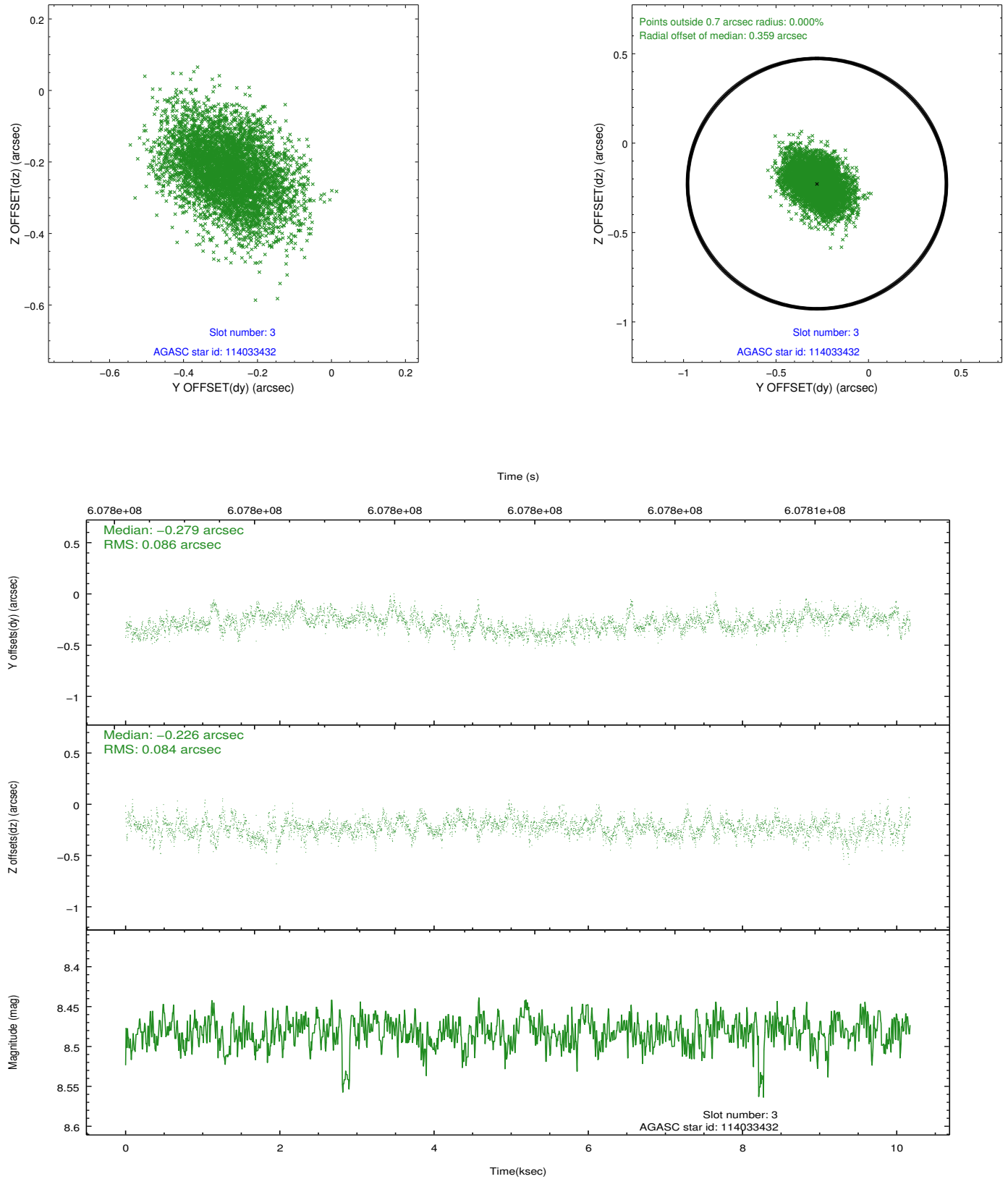


Slot Statistics

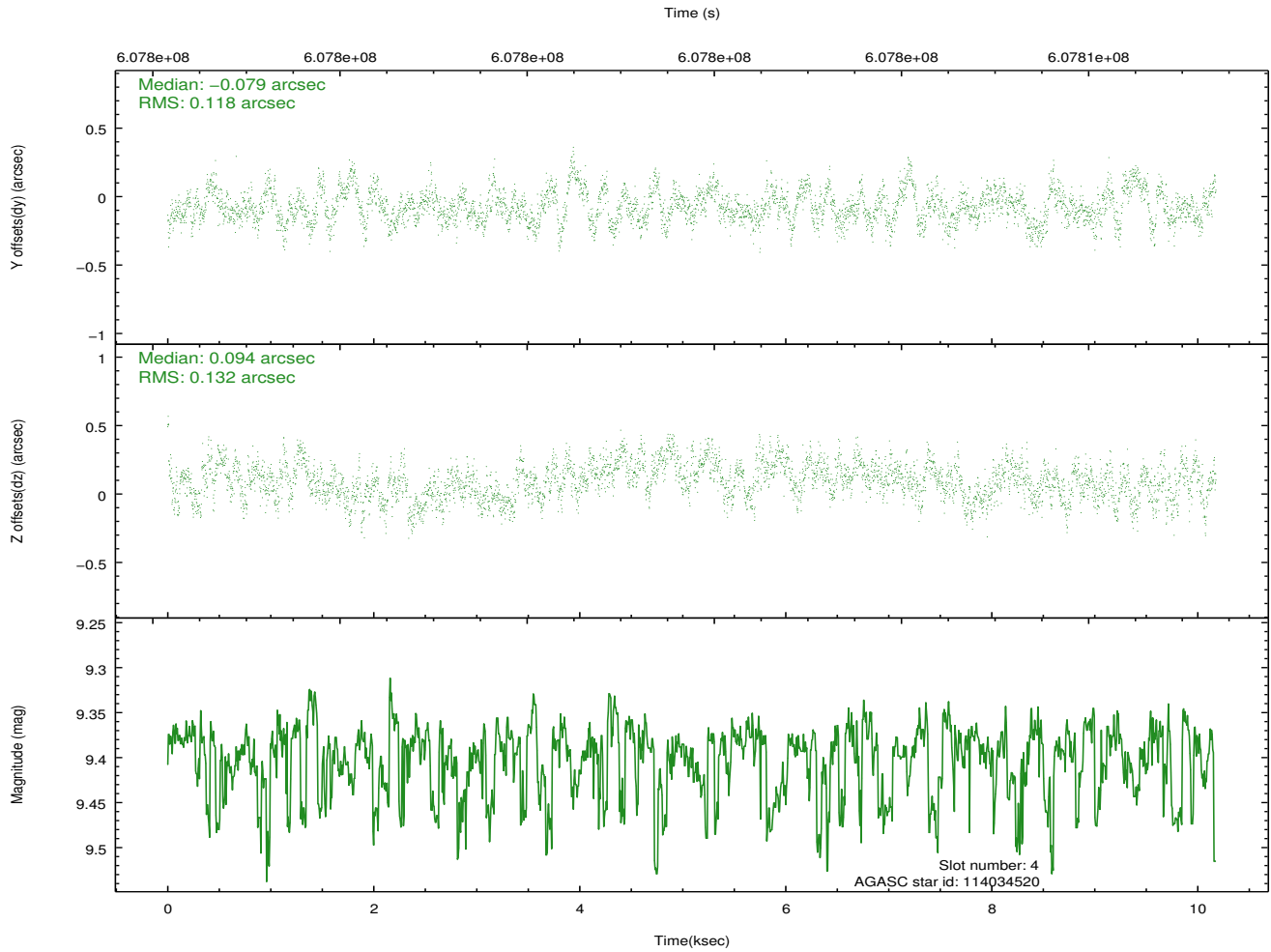
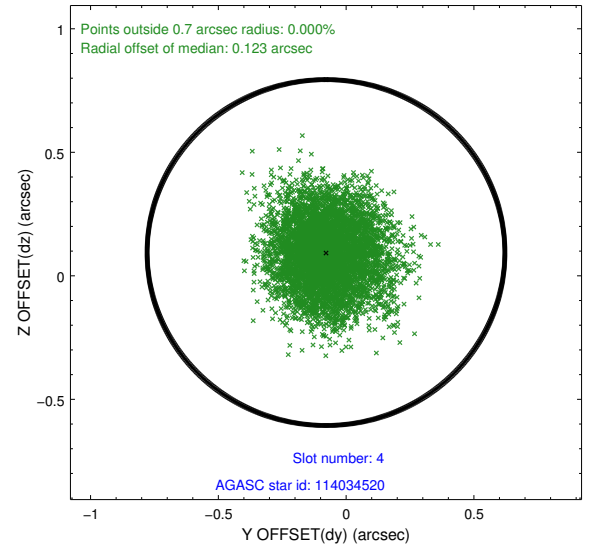
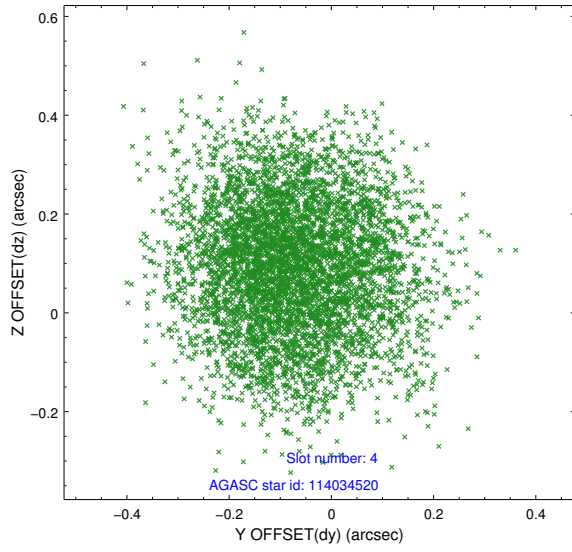
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.98	2481	-0.131	0.007	0.008	0.013	0.000000	0.000000	-766.06	-1301.77
1	FID		HRC-I-2	7.01	2481	0.296	-0.136	0.009	0.015	0.000000	0.000000	846.69	-1303.99
2	FID		HRC-I-3	7.07	2482	-0.047	0.039	0.008	0.016	0.000000	0.000000	-1194.15	1002.29
3	GUIDE	used	114033432	8.48	4965	-0.279	-0.226	0.128	0.209	177.246575	14.507541	269.50	172.78
4	GUIDE	used	114034520	9.40	4957	-0.079	0.094	0.192	0.297	176.867896	14.578200	1103.13	-880.30
5	GUIDE	used	188877664	9.19	4962	0.039	0.266	0.153	0.248	177.271057	15.231168	-1495.15	-1744.87
6	GUIDE	used	114040304	9.17	4958	-0.046	0.133	0.177	0.284	176.641039	14.963557	793.61	-2446.42
7	GUIDE	used	114040136	9.51	4953	0.356	-0.268	0.202	0.319	177.938060	14.836994	-2329.73	841.98

2.4 Star Slots

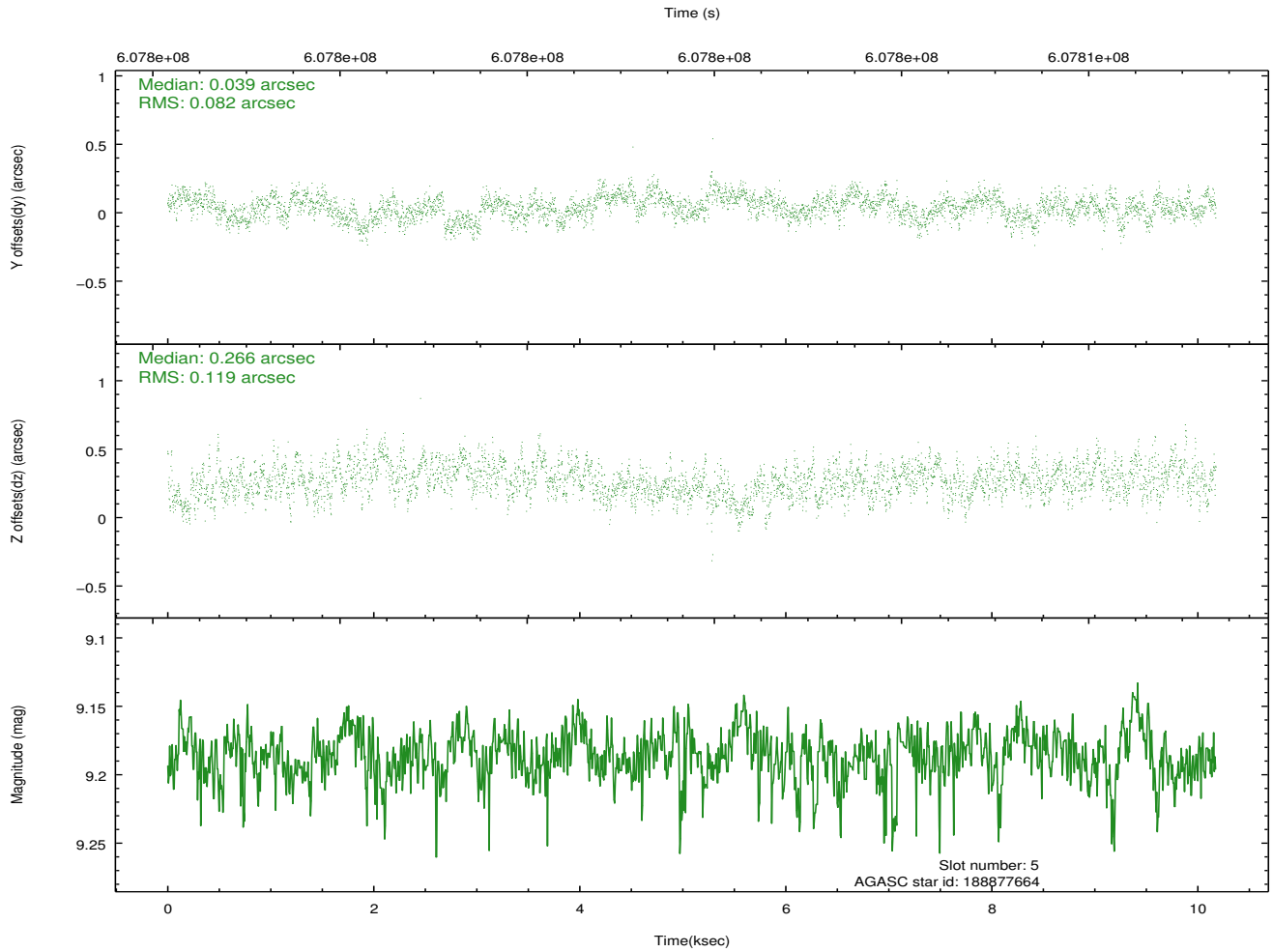
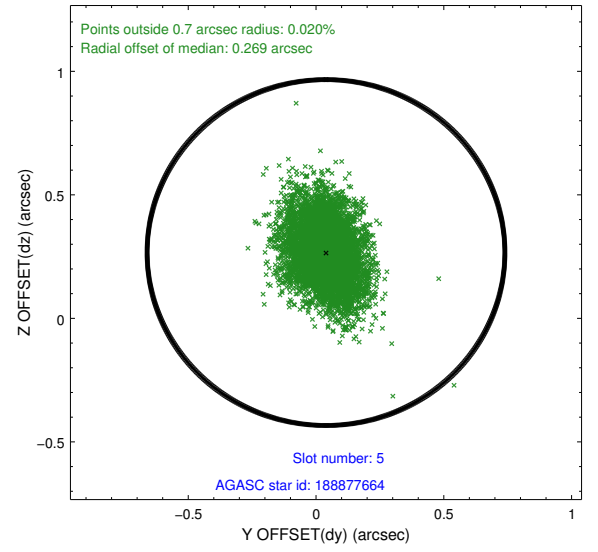
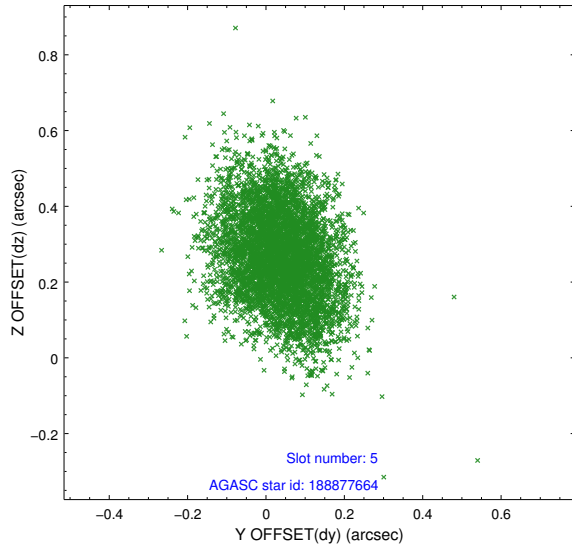
2.4.1 Slot 3



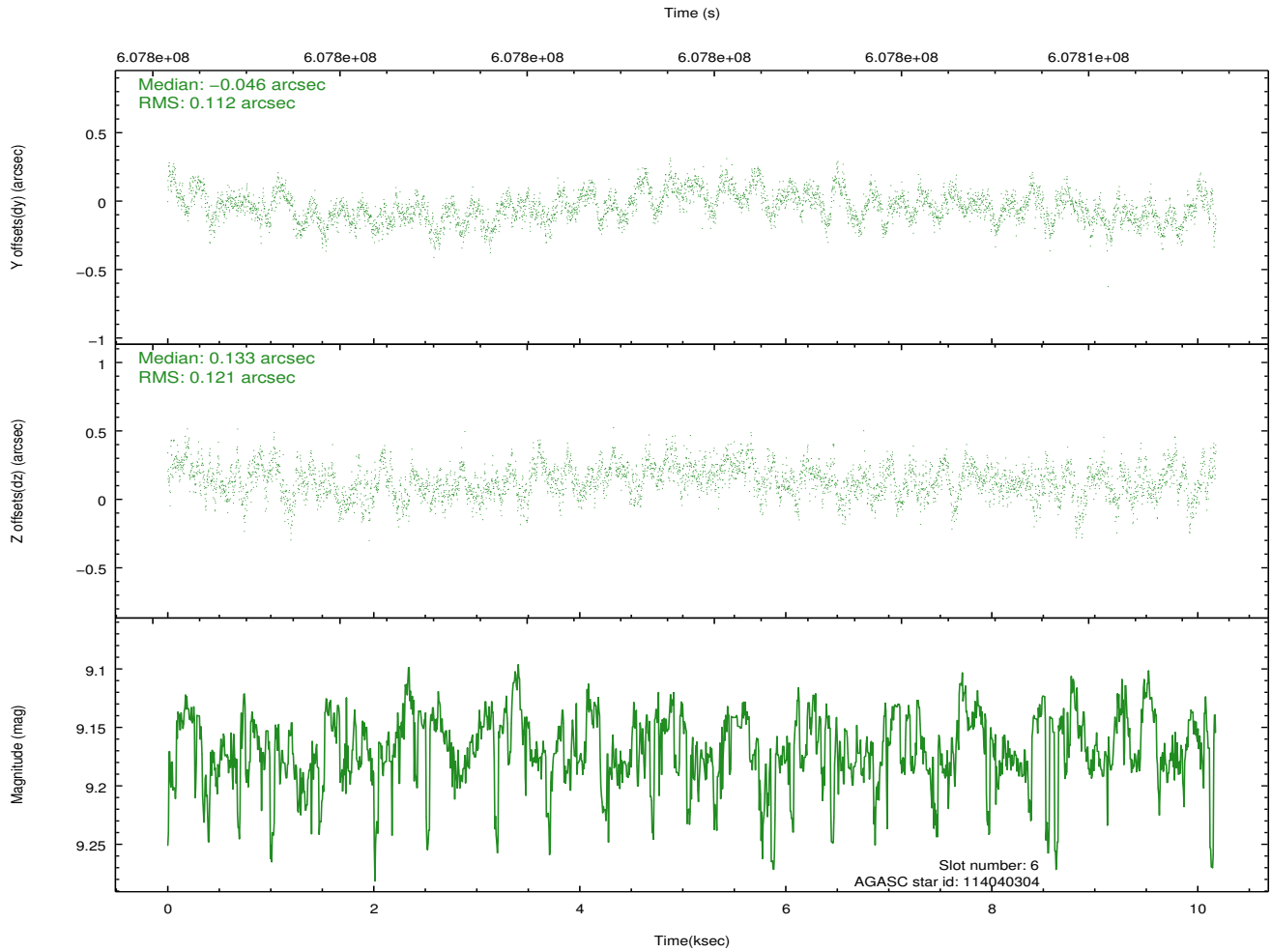
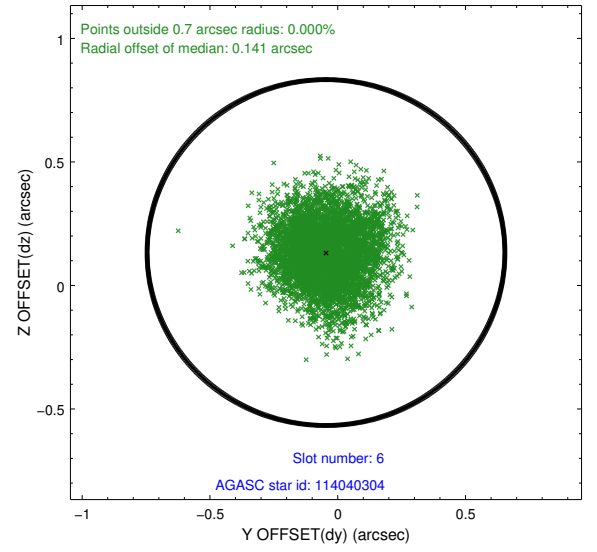
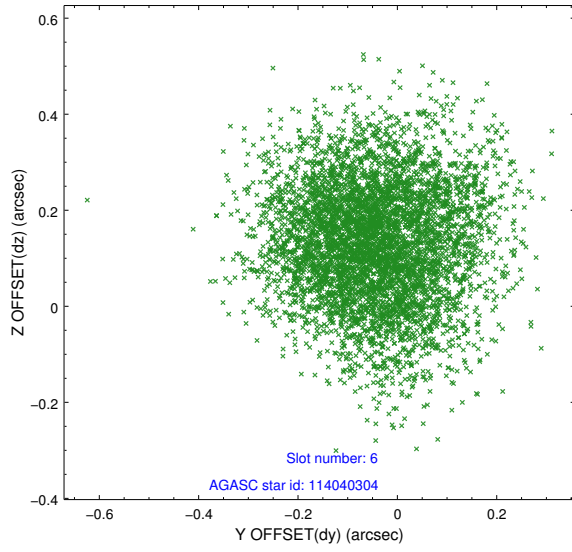
2.4.2 Slot 4



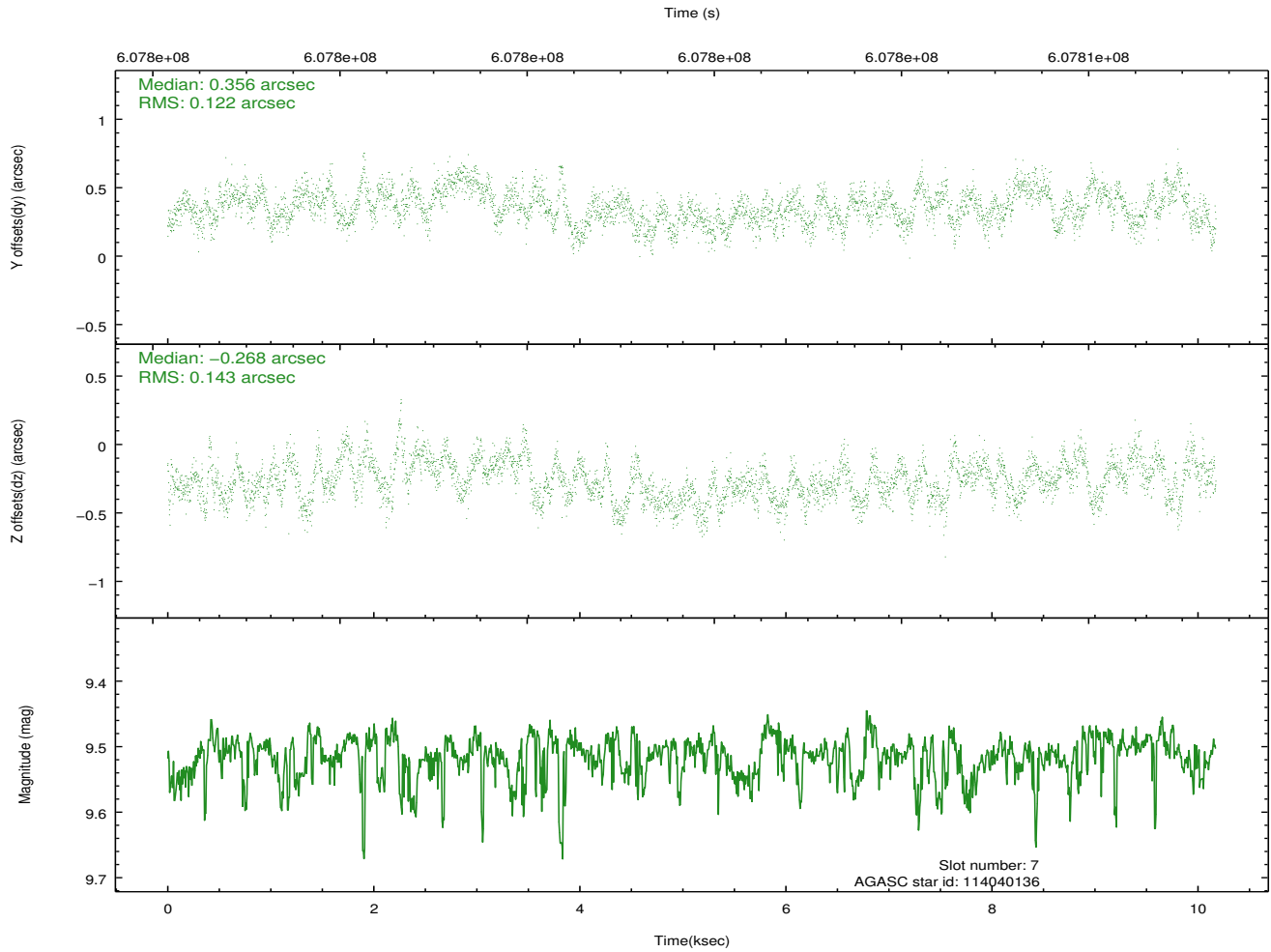
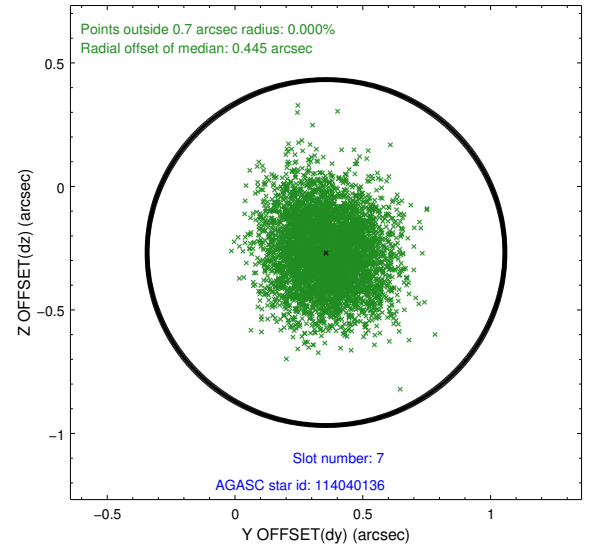
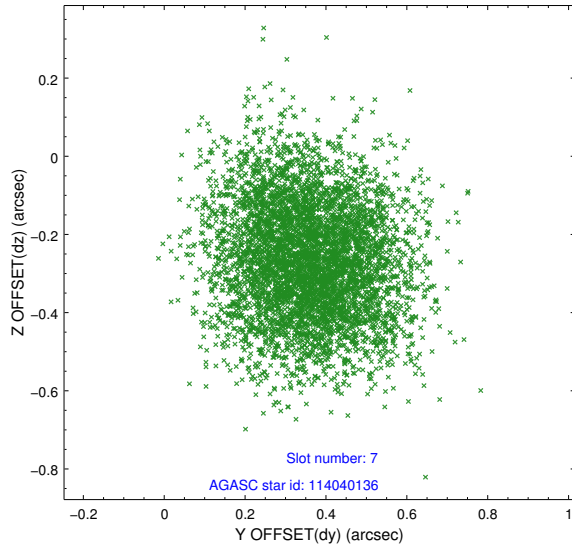
2.4.3 Slot 5



2.4.4 Slot 6

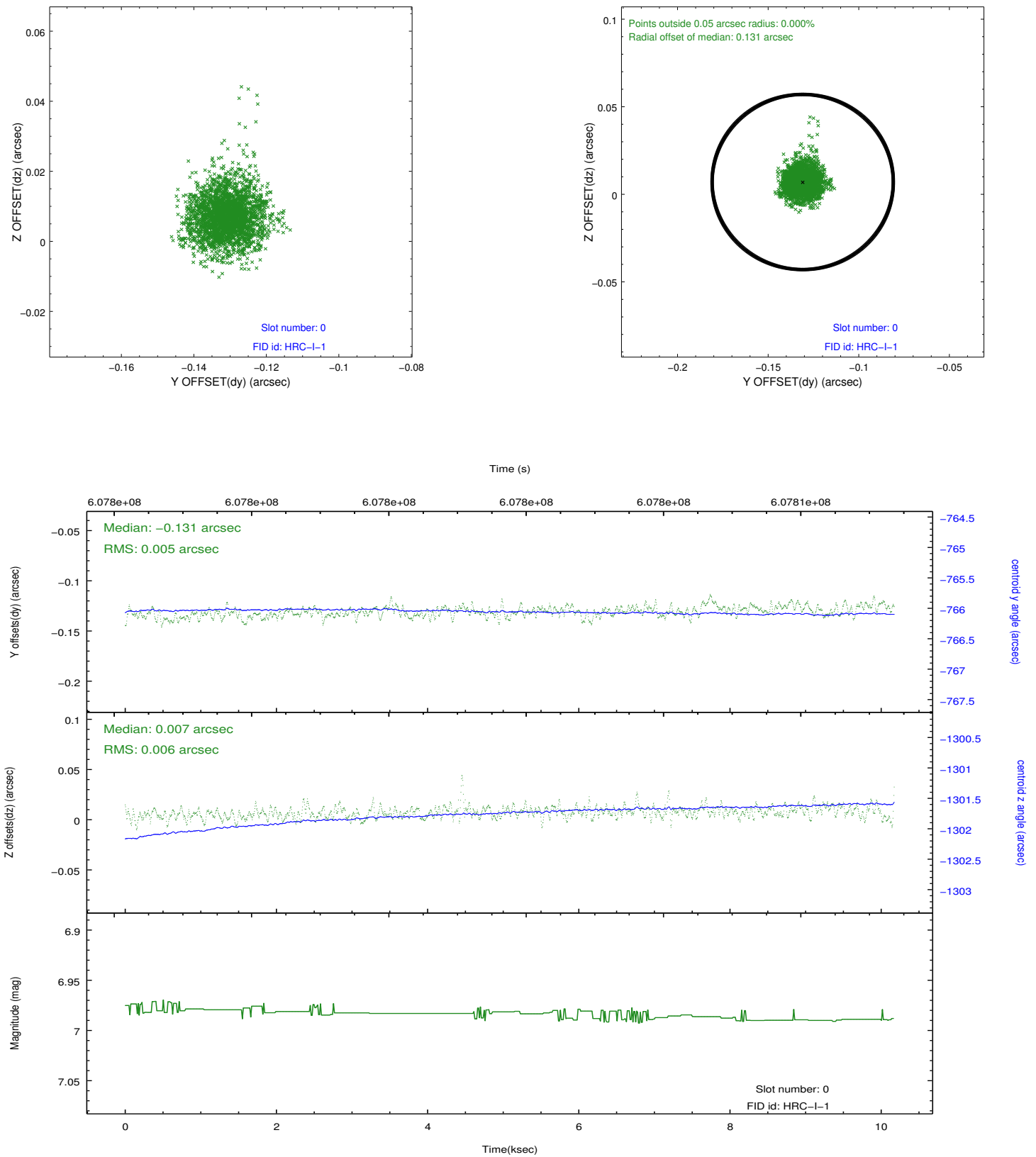


2.4.5 Slot 7

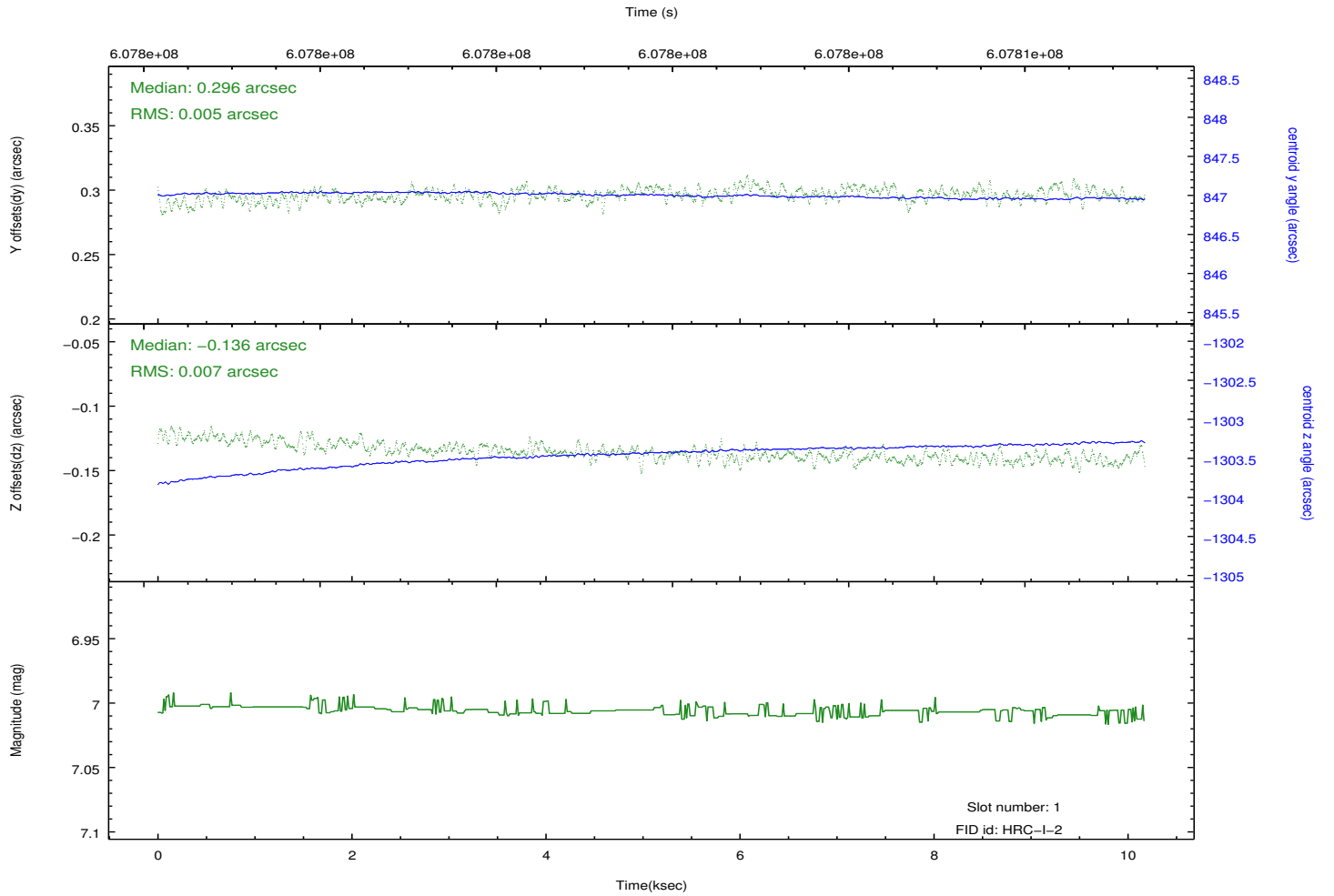
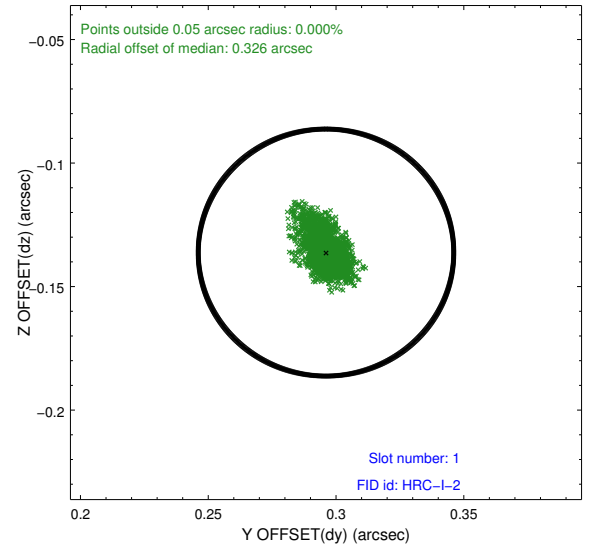
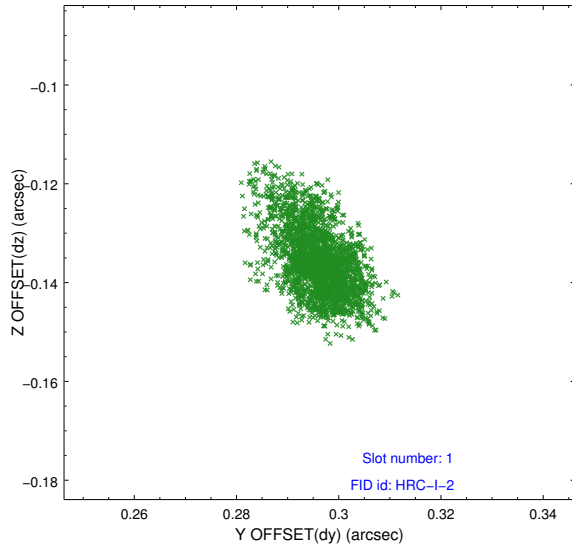


2.5 FID Slots

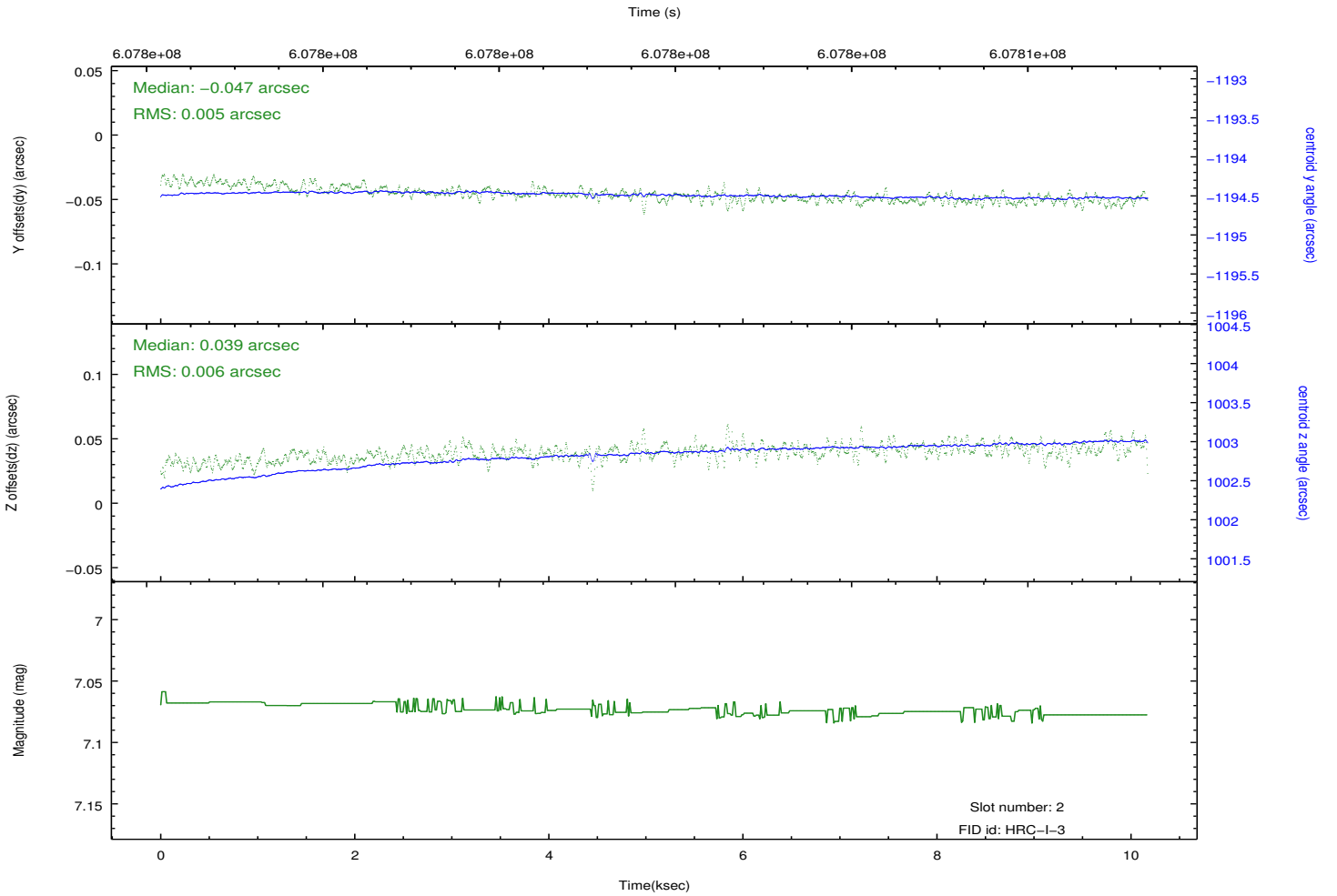
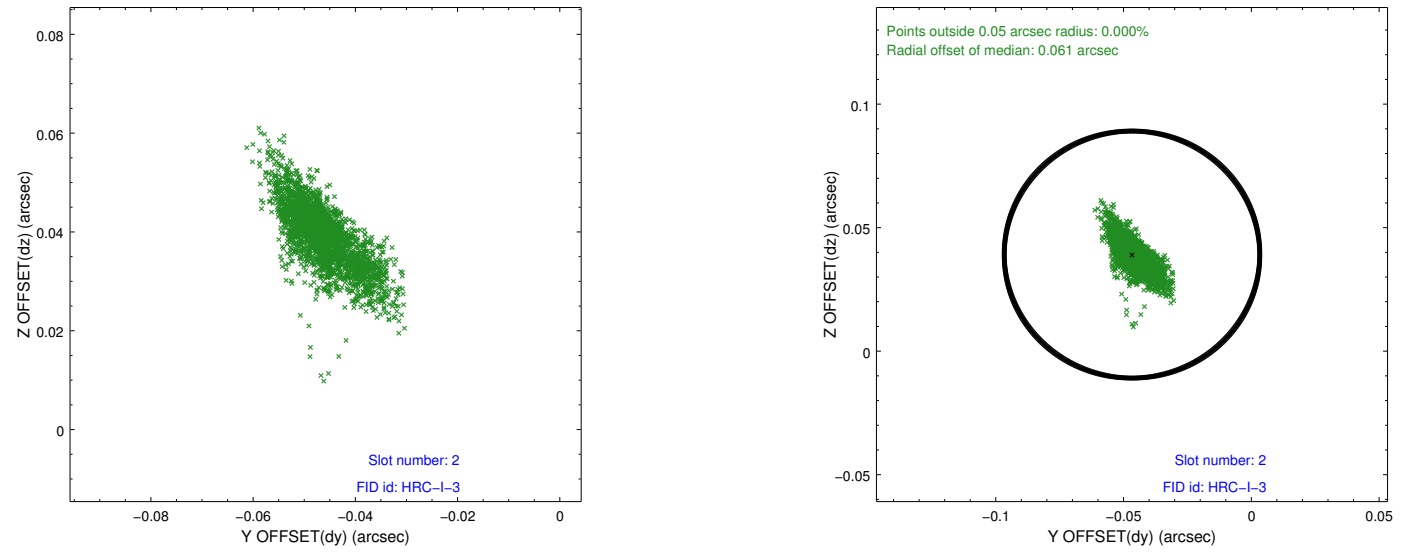
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.175175591469

A.2 Comments