

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 18913 - L2 Version 1
Chandra X-Ray Center

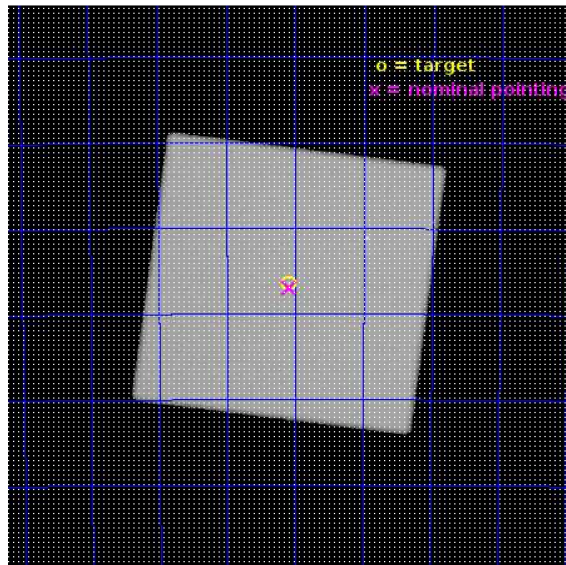
L2 Processing Date : Jun 12 2017

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

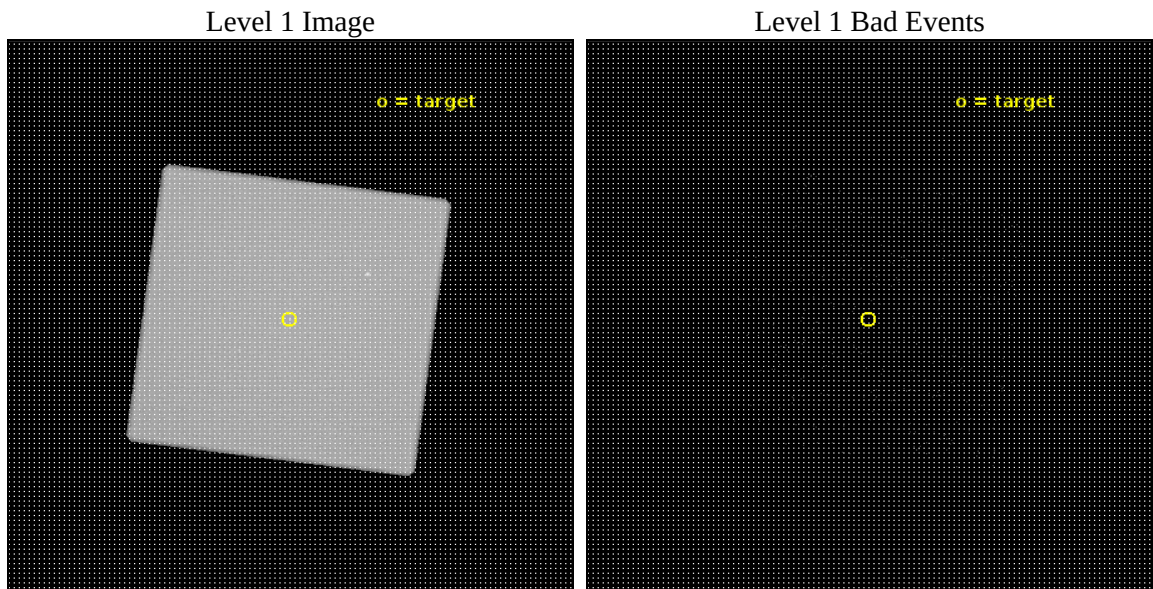
seq_num	201106	Sequence number
obs_id	18913	Observation id
title	Cracking the Conundrum of F Supergiant Coronae	Proposal title
observer	Thomas Ayres	Principal investigator
object	HD80404	Source name
ra_targ	139.2725	Observer's specified target RA [deg]
dec_targ	-59.275222	Observer's specified target Dec [deg]
ra_nom	139.27126747551	Nominal RA [deg]
dec_nom	-59.282764729503	Nominal Dec [deg]
roll_nom	232.43360917132	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19121.632363439	[s]
livetime	18868.391593264	Ontime multiplied by DTCOR
l2events	2151369	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	19000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	19121.632363439	[s]
caldbver	4.7.4	 	l1events	3100438	Number of level 1 events
date	2017-06-12T14:23:22	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

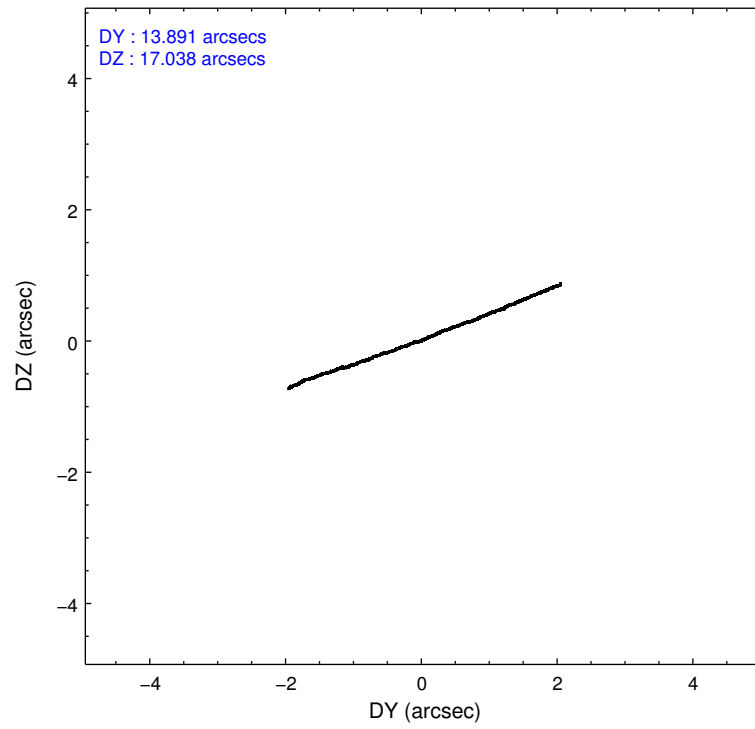
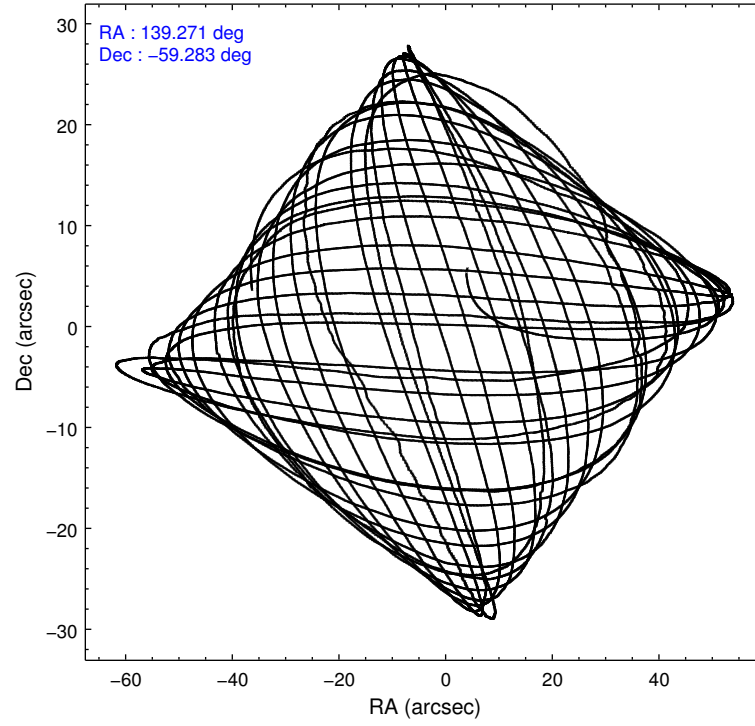
Level 1 Events

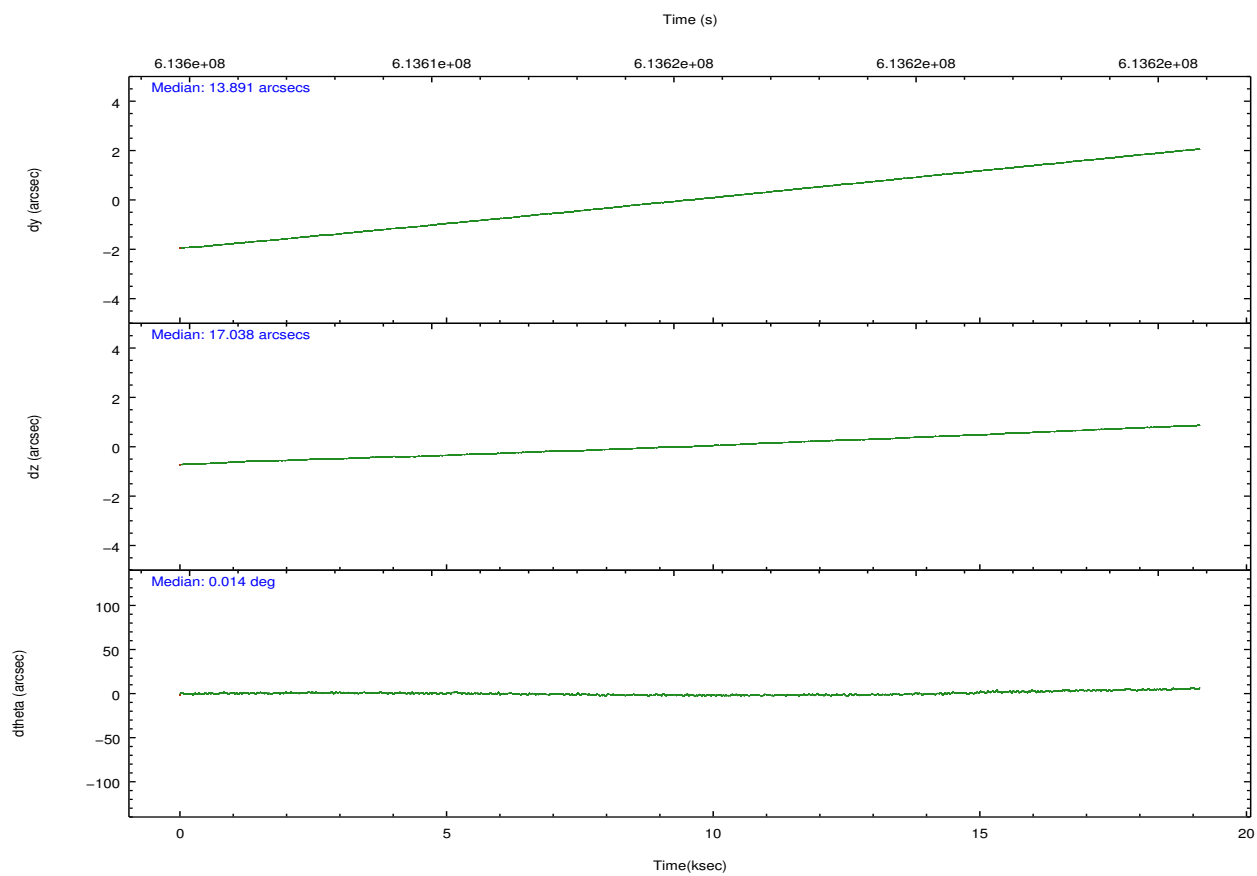
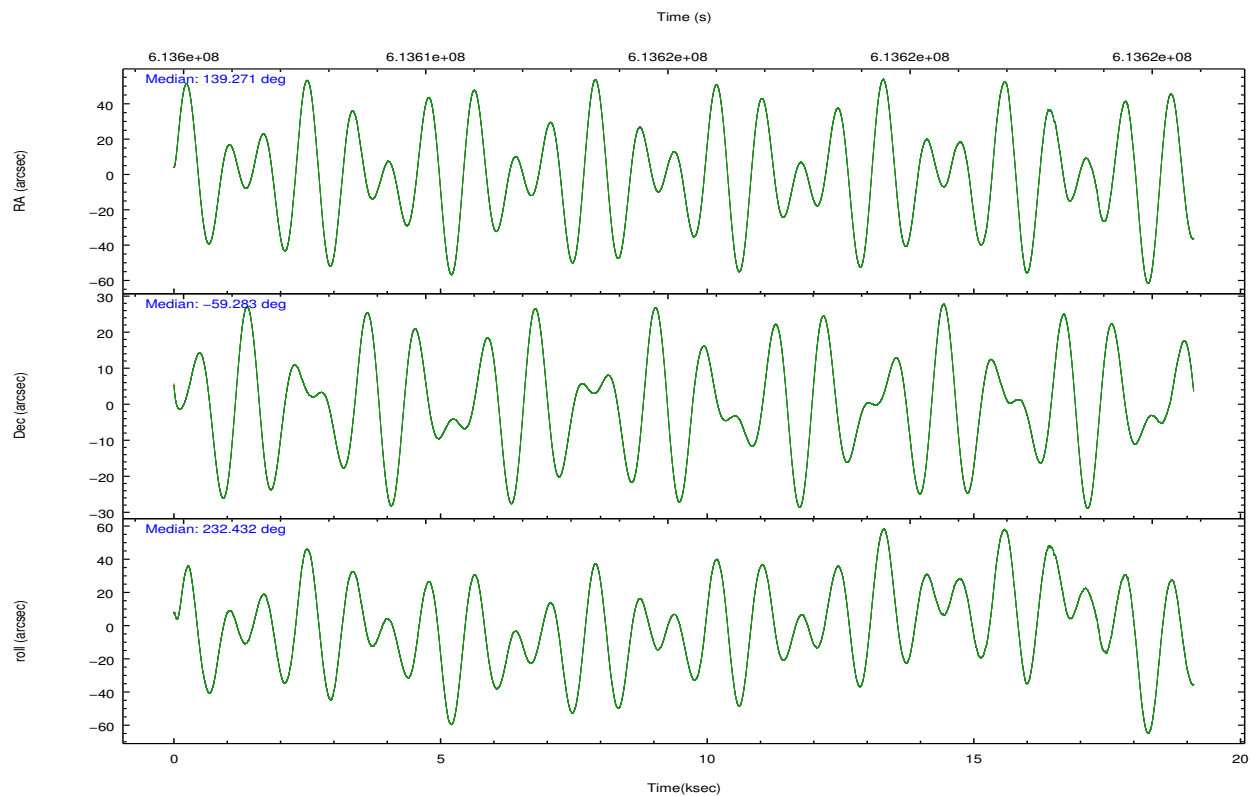
	segment 0
level 1 events	3100438
rejected events	253353
rejected %	8%

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	139.276972	139.2712674755122			
[deg] Pointing Dec	-59.255693	-59.28276472950298			
[deg] Pointing Roll	232.533989	232.4336091713157			
[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)	613605901.184000	613604143.32514			
Observation start date	2017-06-11T22:03:52	2017-06-11T21:35:43			
[s] Observation end time (MET)	613624901.184000	613625688.82639			
Observation end date	2017-06-12T03:20:32	2017-06-12T03:34:48			

2.3 Aspect



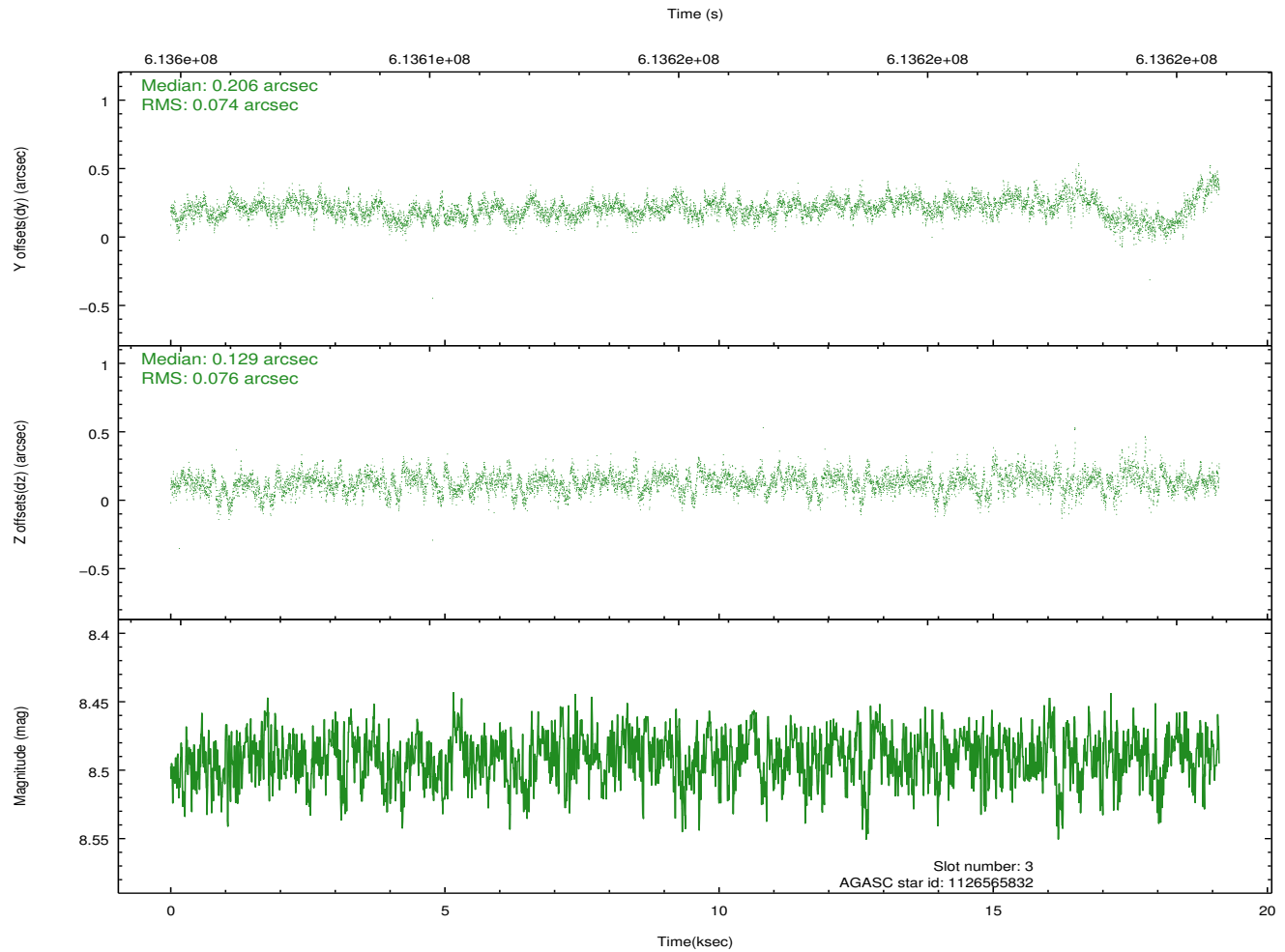
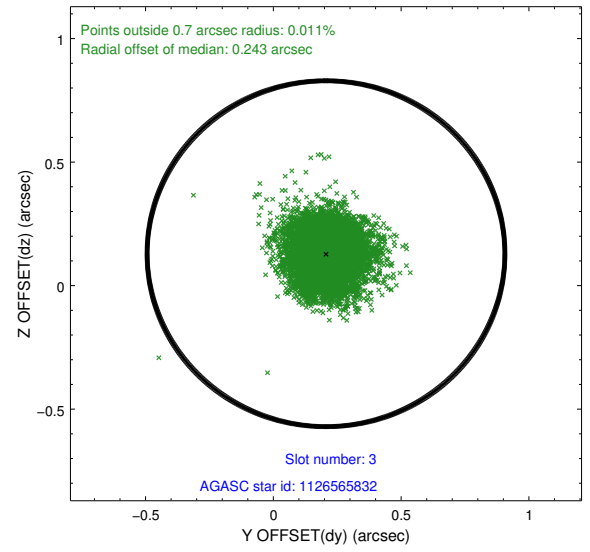
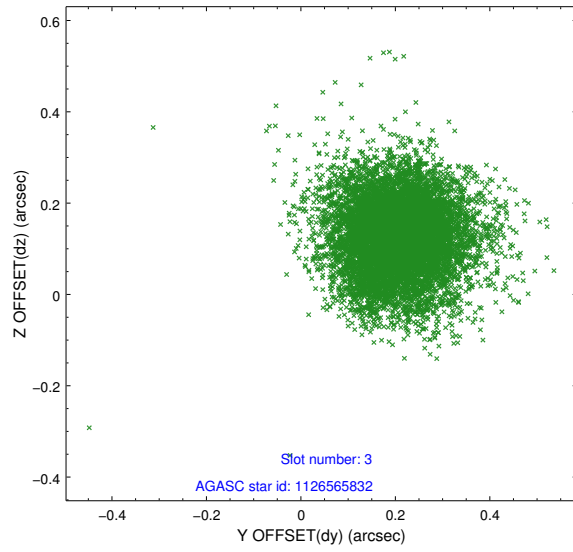


Slot Statistics

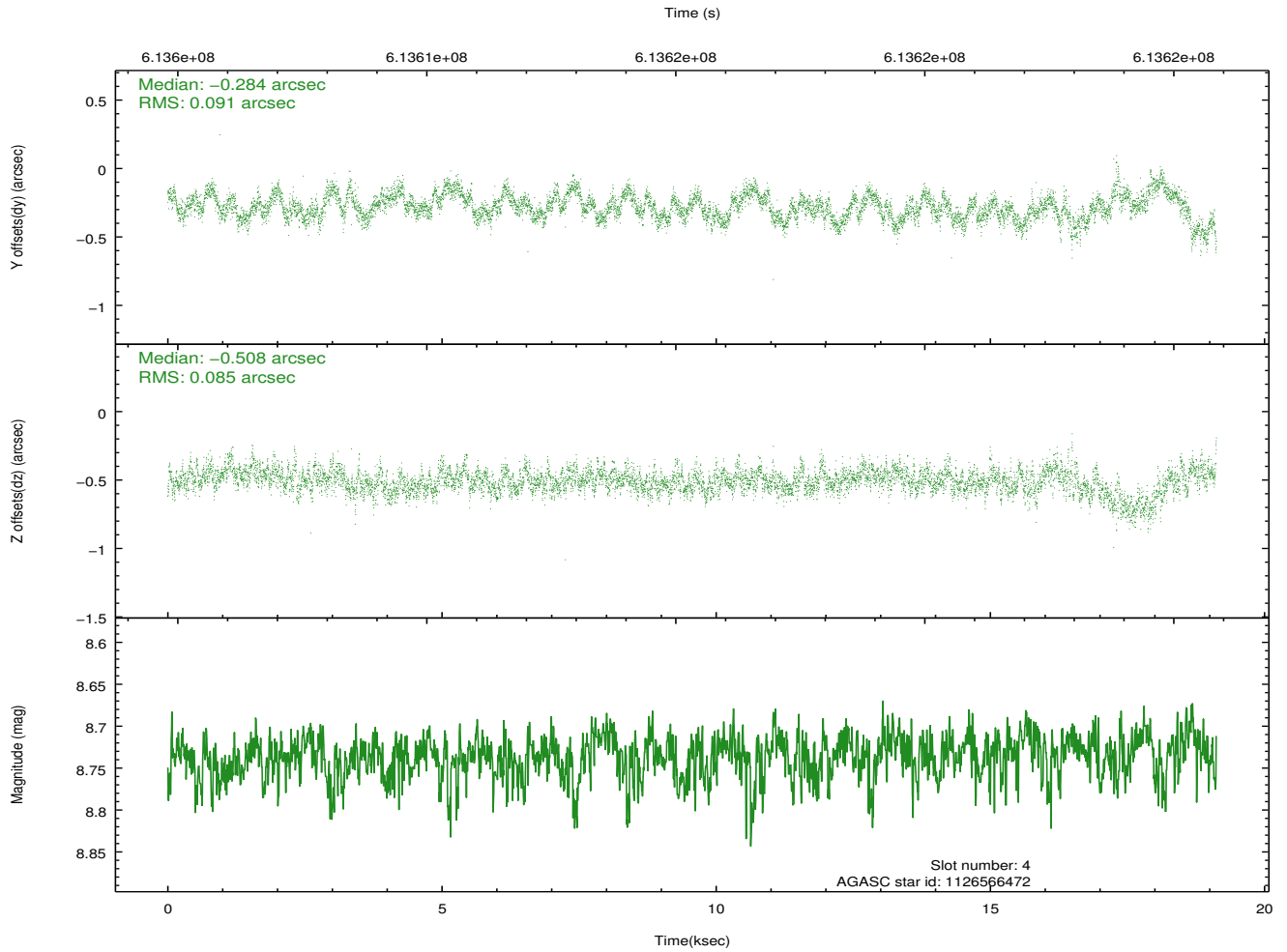
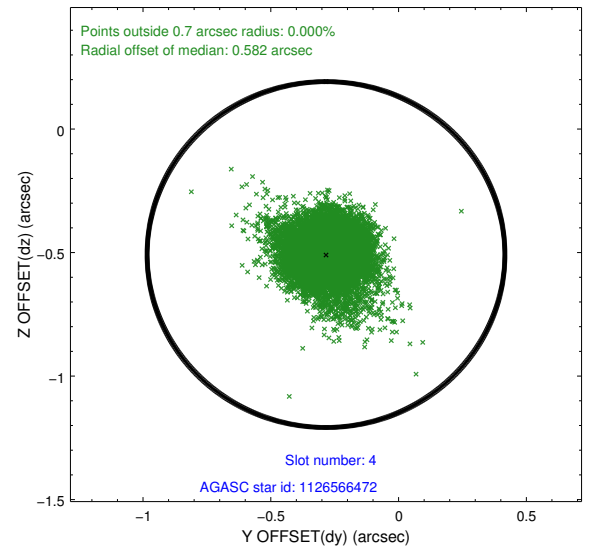
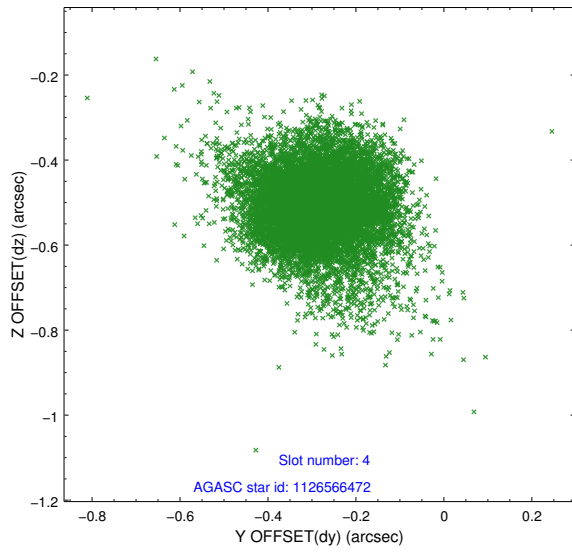
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.97	4665	-0.243	-0.090	0.017	0.029	0.000000	0.000000	-770.06	-1305.23
1	FID		HRC-I-2	7.00	4665	0.266	-0.067	0.019	0.038	0.000000	0.000000	842.91	-1307.21
2	FID		HRC-I-4	6.99	4665	0.095	0.065	0.015	0.024	0.000000	0.000000	1273.49	996.61
3	GUIDE	used	1126565832	8.49	9321	0.206	0.129	0.109	0.187	138.816363	-58.824086	-707.94	-1624.37
4	GUIDE	used	1126566472	8.73	9324	-0.284	-0.508	0.128	0.214	139.500058	-59.799950	1310.14	1512.48
5	GUIDE	used	1126583496	7.99	9321	-0.169	-0.049	0.118	0.201	139.589485	-59.646314	771.92	1307.36
6	GUIDE	used	1126699240	8.13	9326	-0.035	0.206	0.099	0.182	140.195273	-58.877004	-2111.45	534.27
7	GUIDE	used	1126579384	8.75	9321	0.278	0.222	0.134	0.233	138.891287	-58.877584	-641.57	-1396.21

2.4 Star Slots

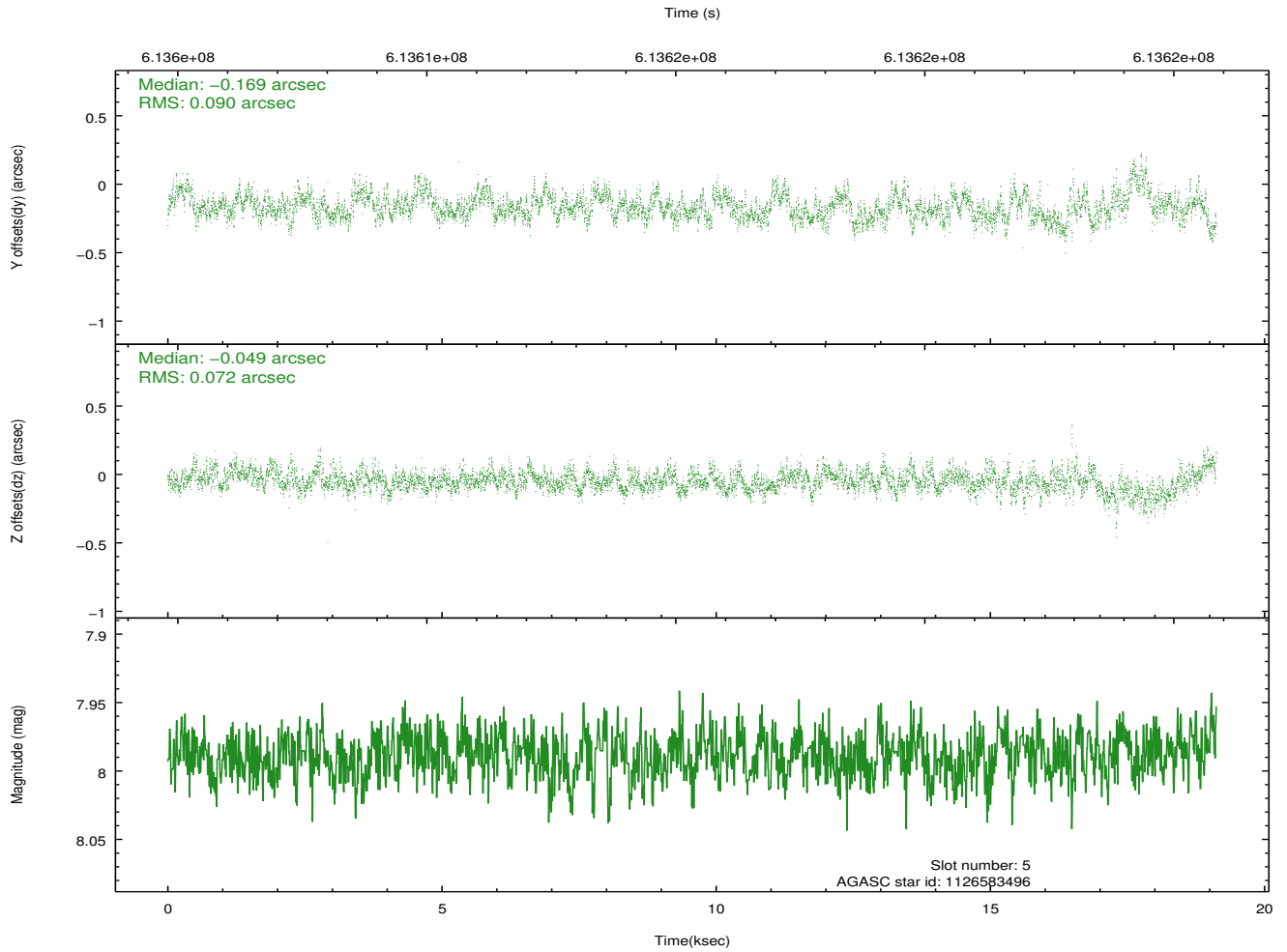
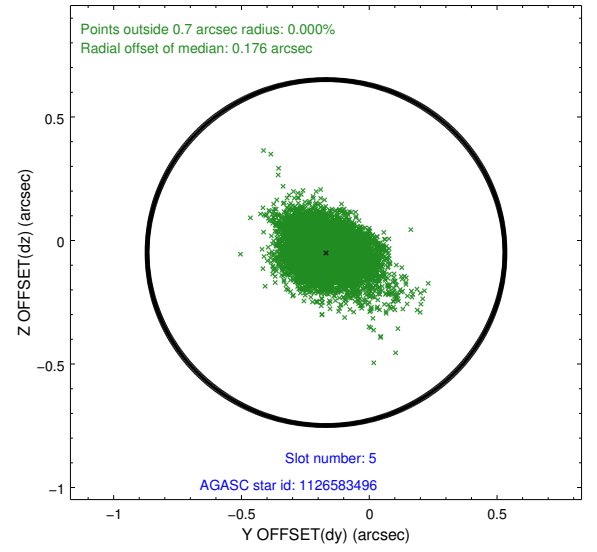
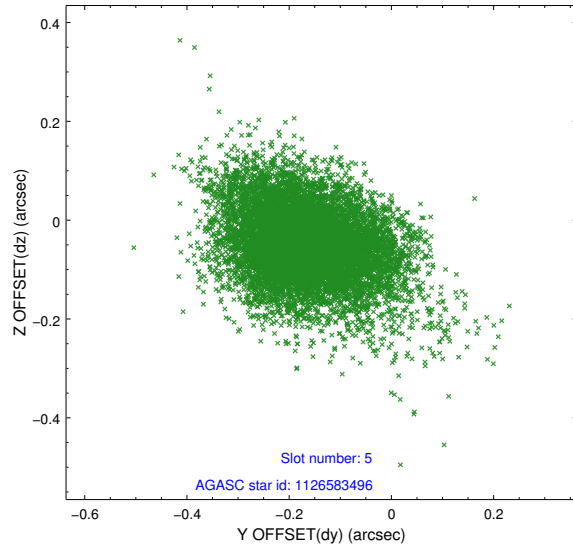
2.4.1 Slot 3



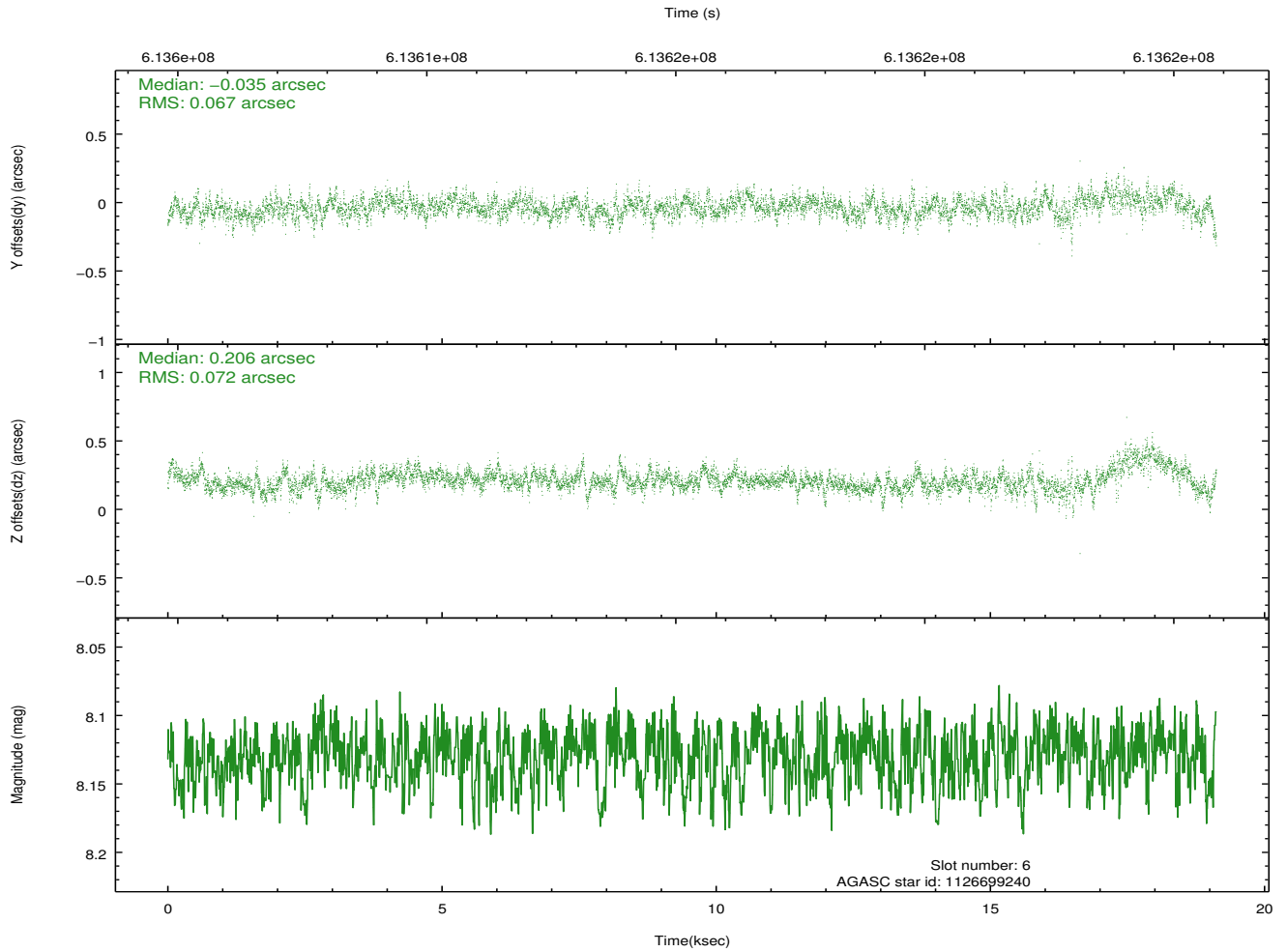
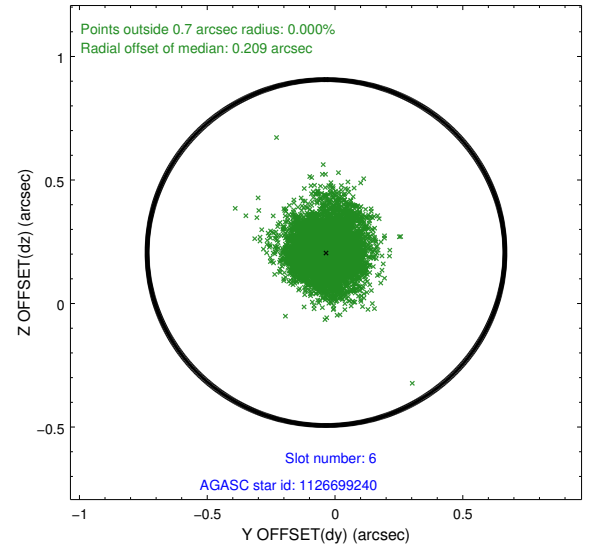
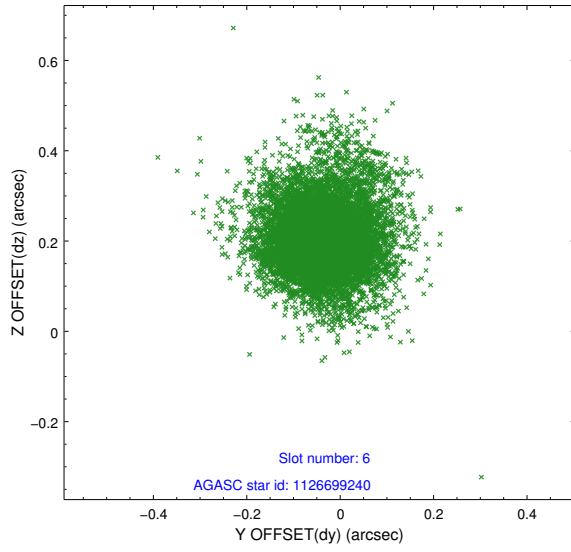
2.4.2 Slot 4



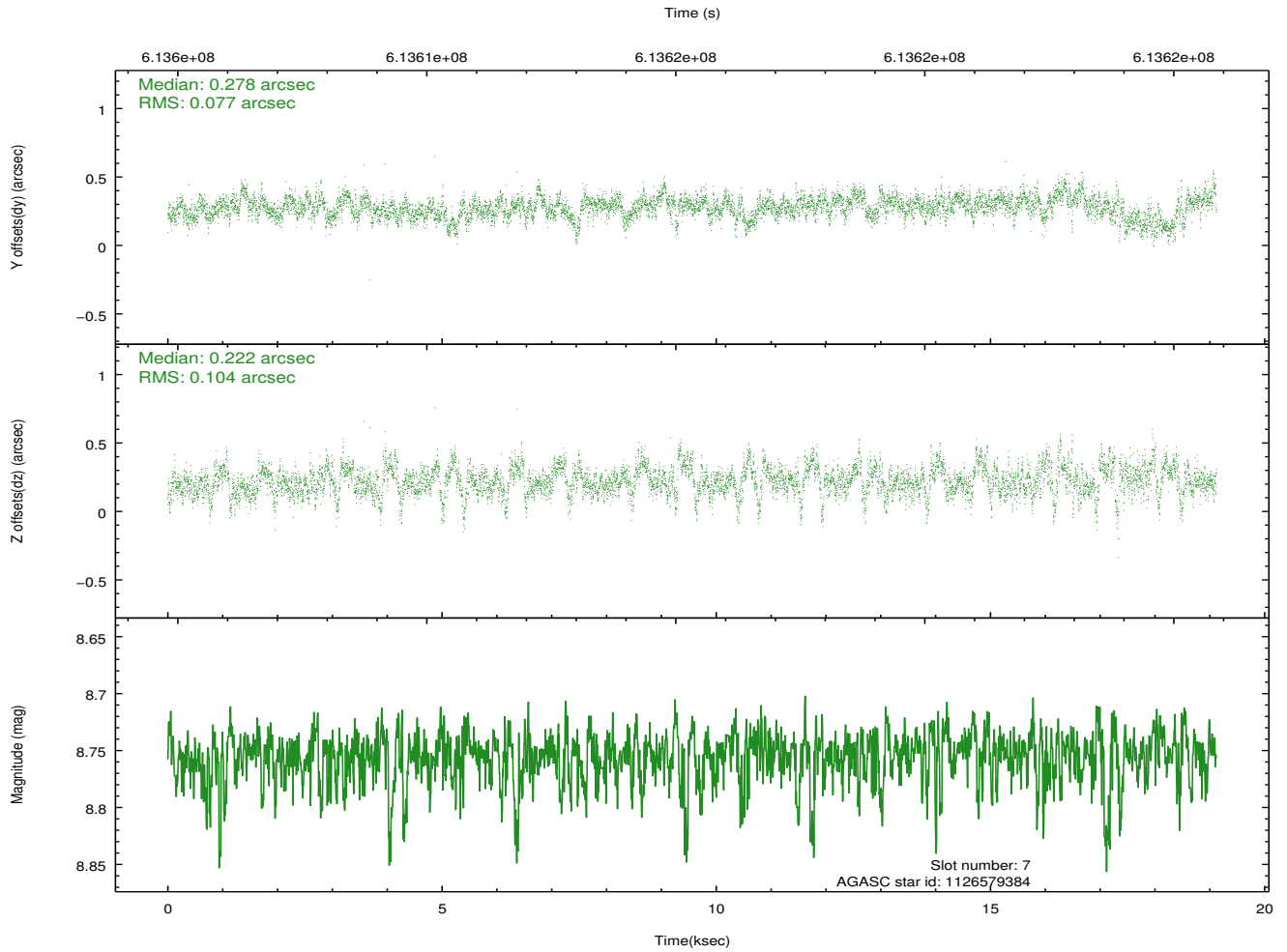
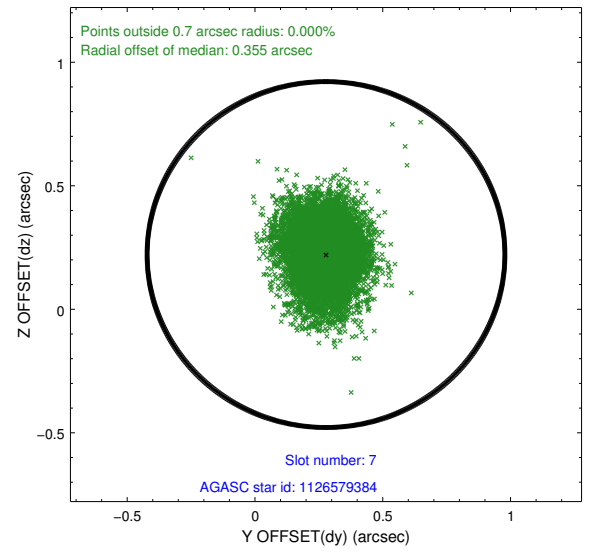
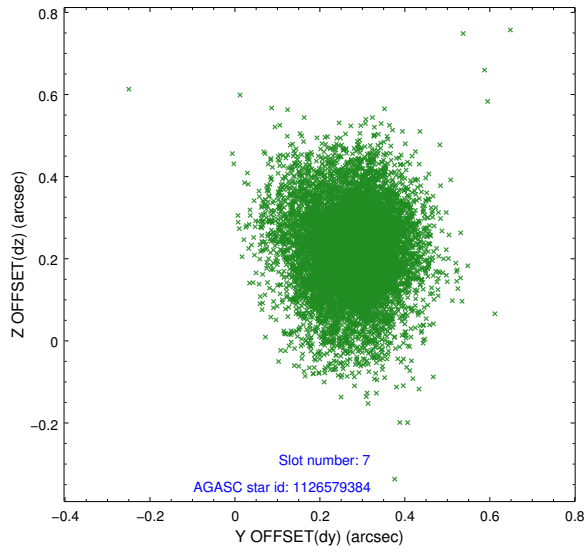
2.4.3 Slot 5



2.4.4 Slot 6

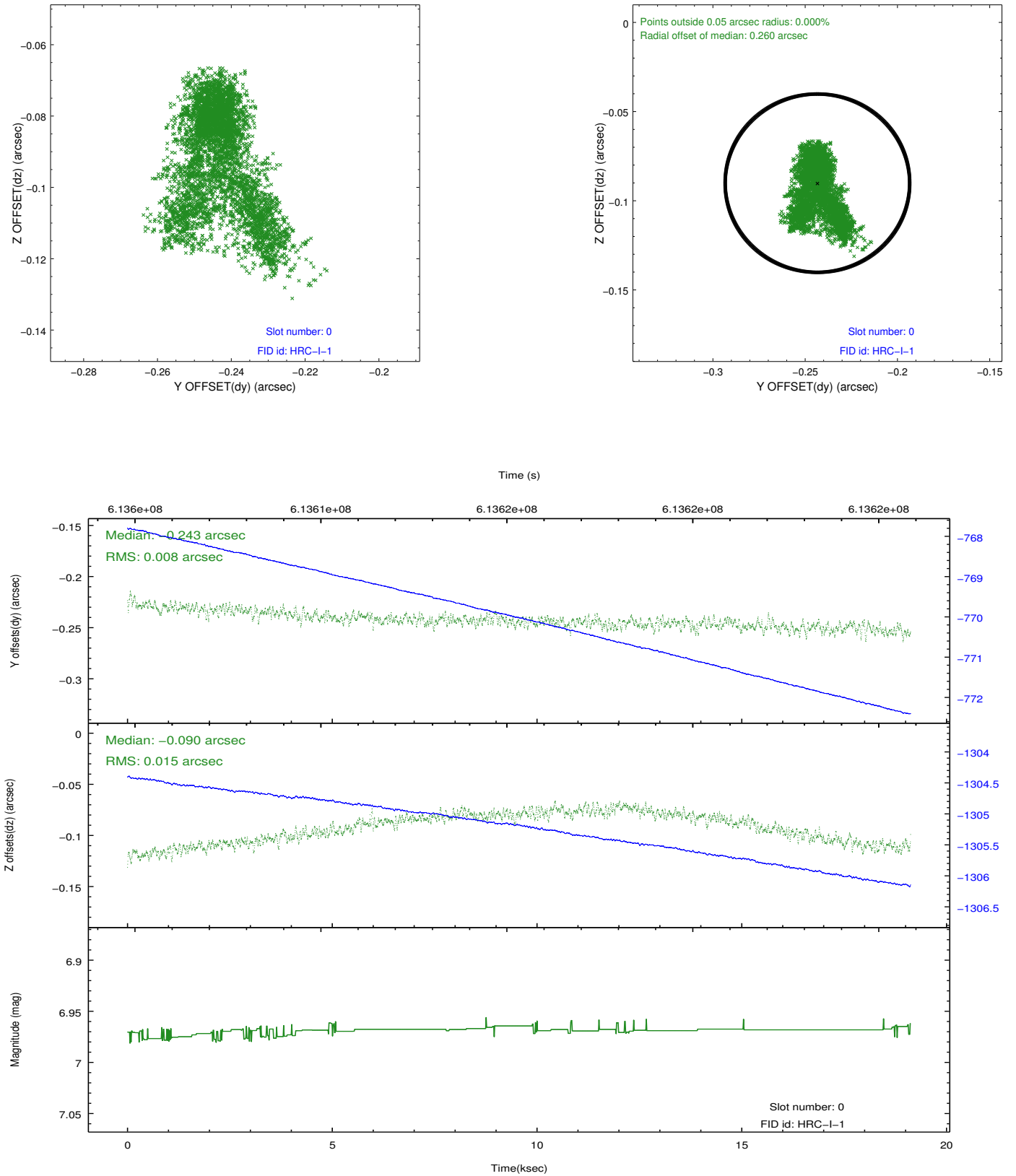


2.4.5 Slot 7

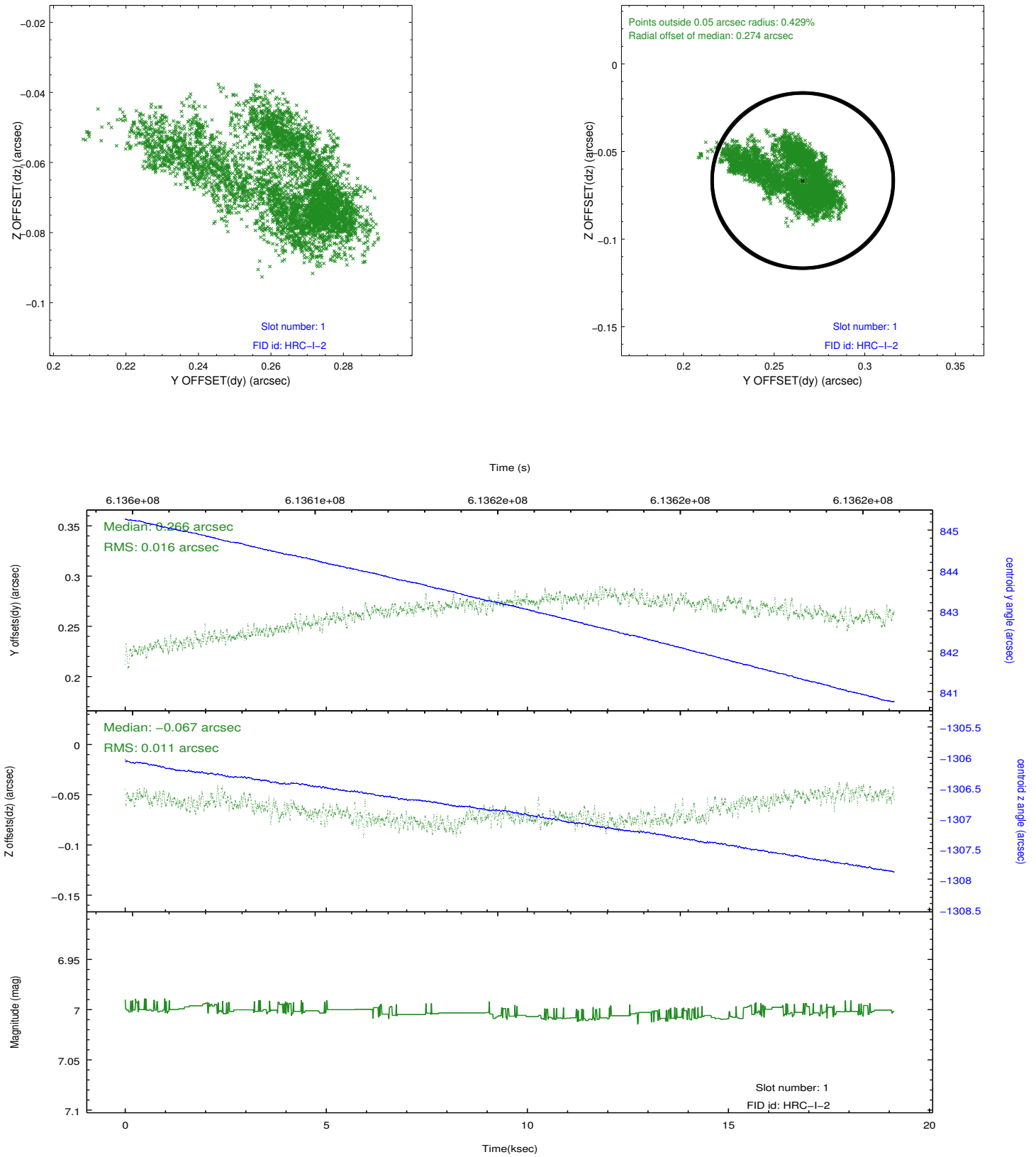


2.5 FID Slots

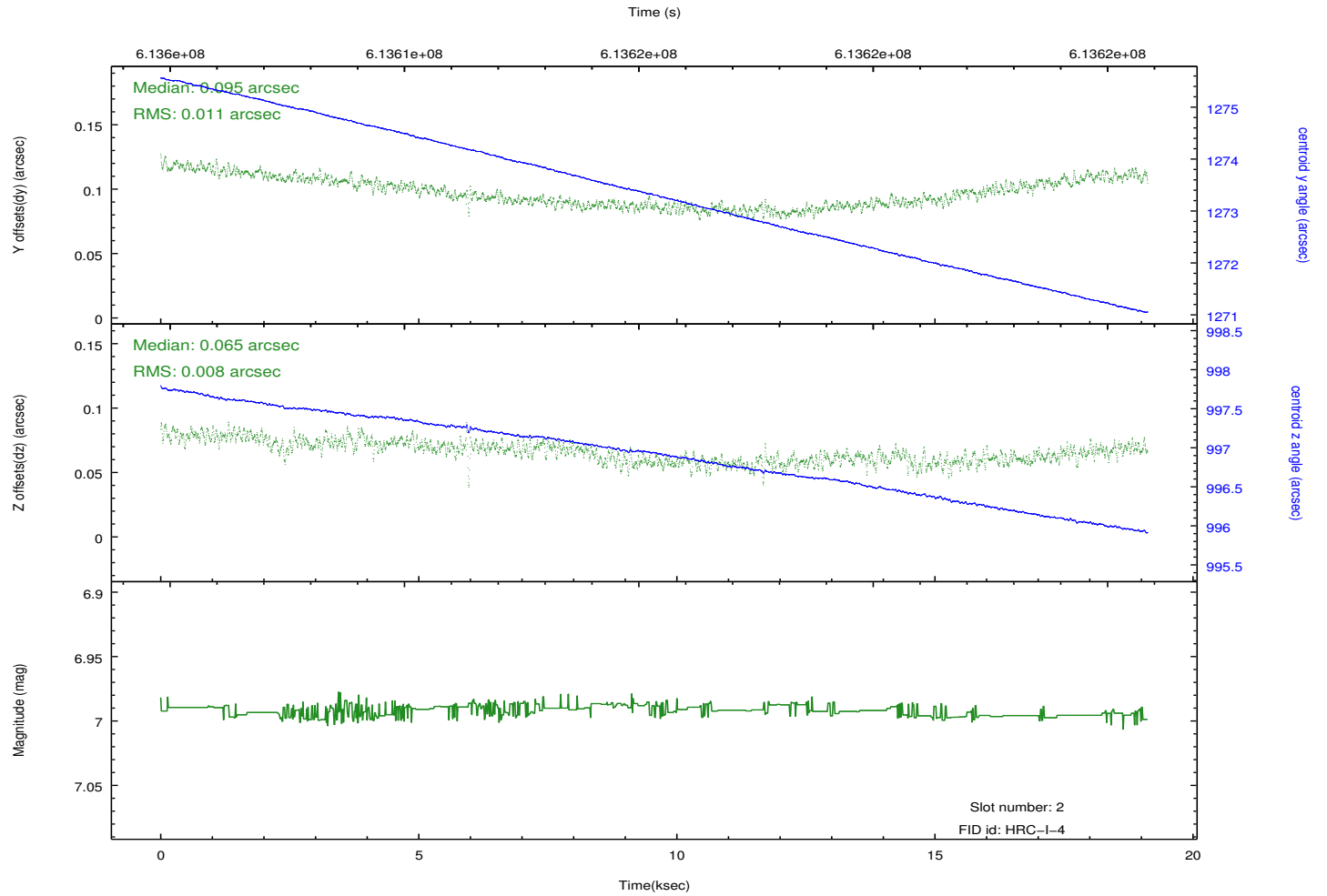
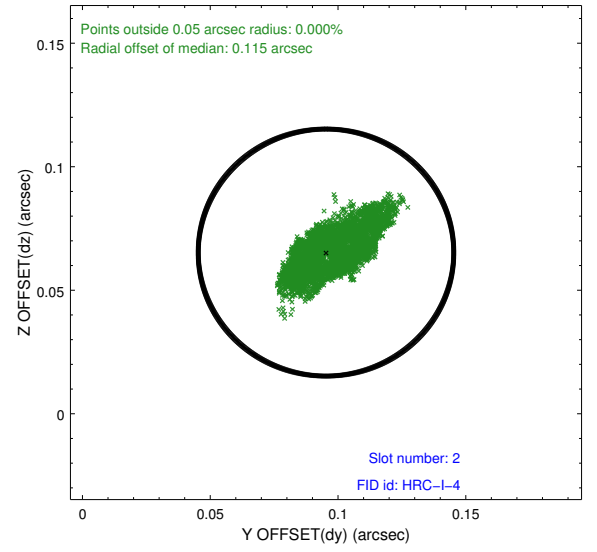
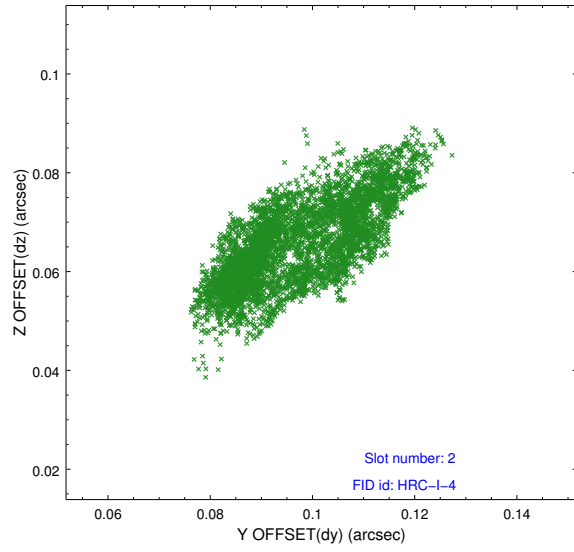
2.5.1 Slot 0



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)	2017.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.121632363439

A.2 Comments

Joint proposal with HST.

Observation coordinated with HST.