

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7492 - L2 Version 2
Chandra X-Ray Center

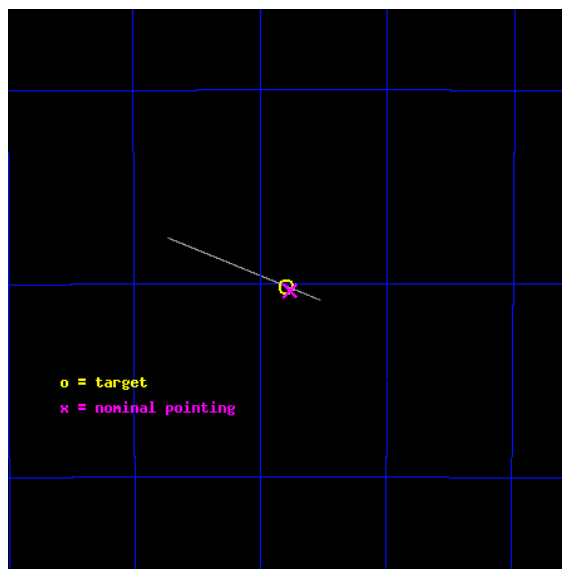
L2 Processing Date : May 1 2012

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1 Front

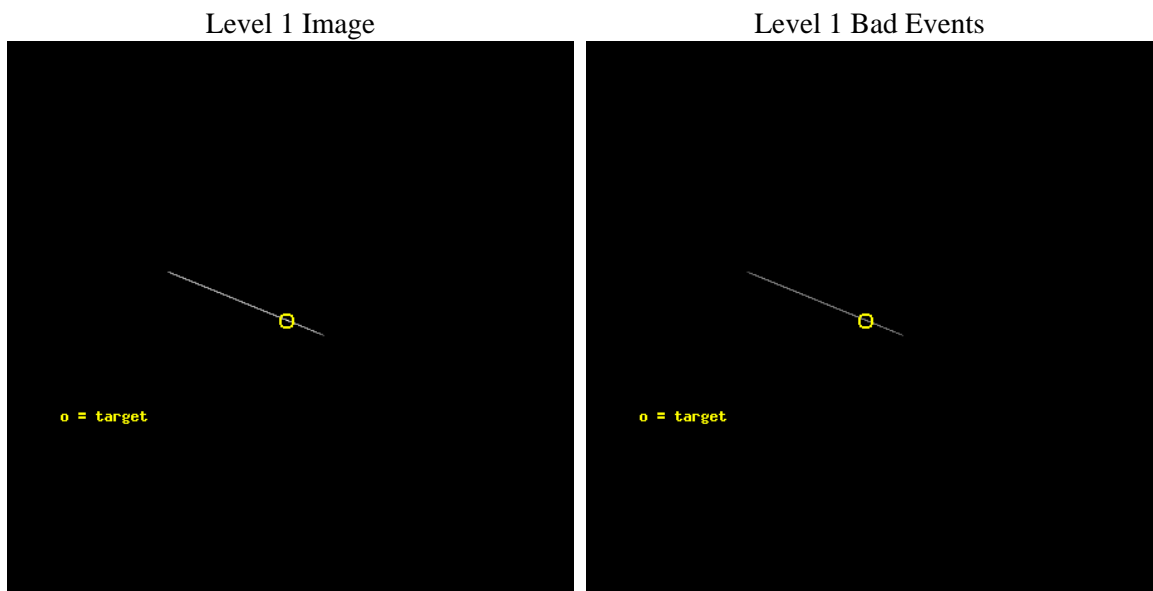
seq_num	400602	Sequence number
obs_id	7492	Observation id
title	Chandra observations of the 2007 PSR B1259-63 periastron passage.	
observer	Dr Maria Chernyakova	Principal investigator
object	PSR B1259-63	Source name
ra_targ	195.698333	Observer's specified target RA [deg]
dec_targ	-63.83575	Observer's specified target Dec [deg]
ra_nom	195.6917772702	Nominal RA [deg]
dec_nom	-63.839694532085	Nominal Dec [deg]
roll_nom	201.94968816684	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7148.75	Sum of GTIs [s]
livetime	7120.8251953125	Livetime [s]
ontime7	7148.75	Sum of GTIs [s]
l2events	45691	Number of level 2 events



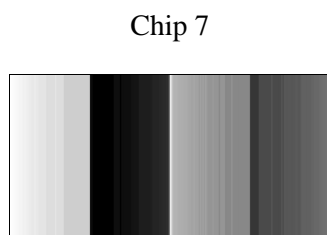
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7148.75	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	7148.75	Sum of GTIs [s]
date	2012-05-01T04:54:33	Date and time of file creation	l1events	60149	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

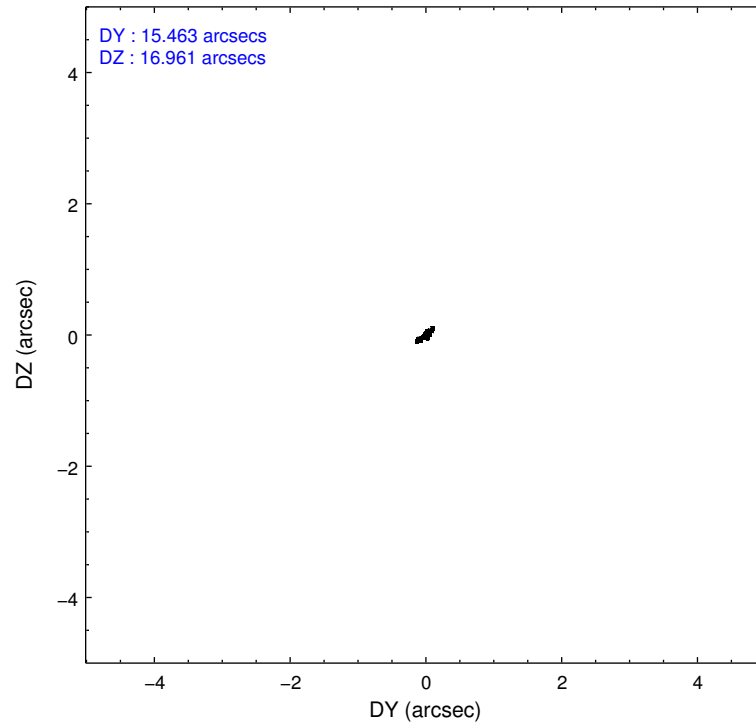
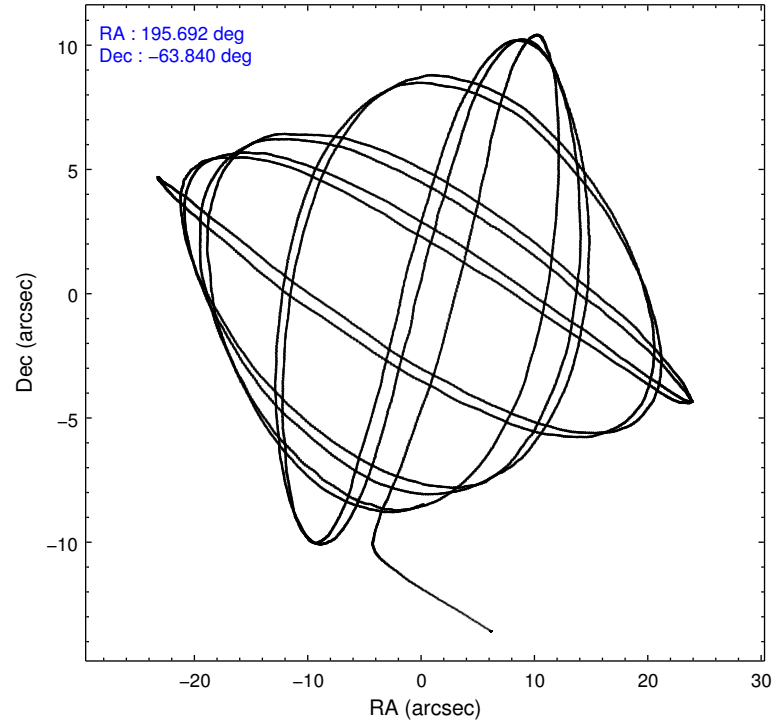
	ccd 7
level 1 events	60149
rejected events	12898
rejected %	21%

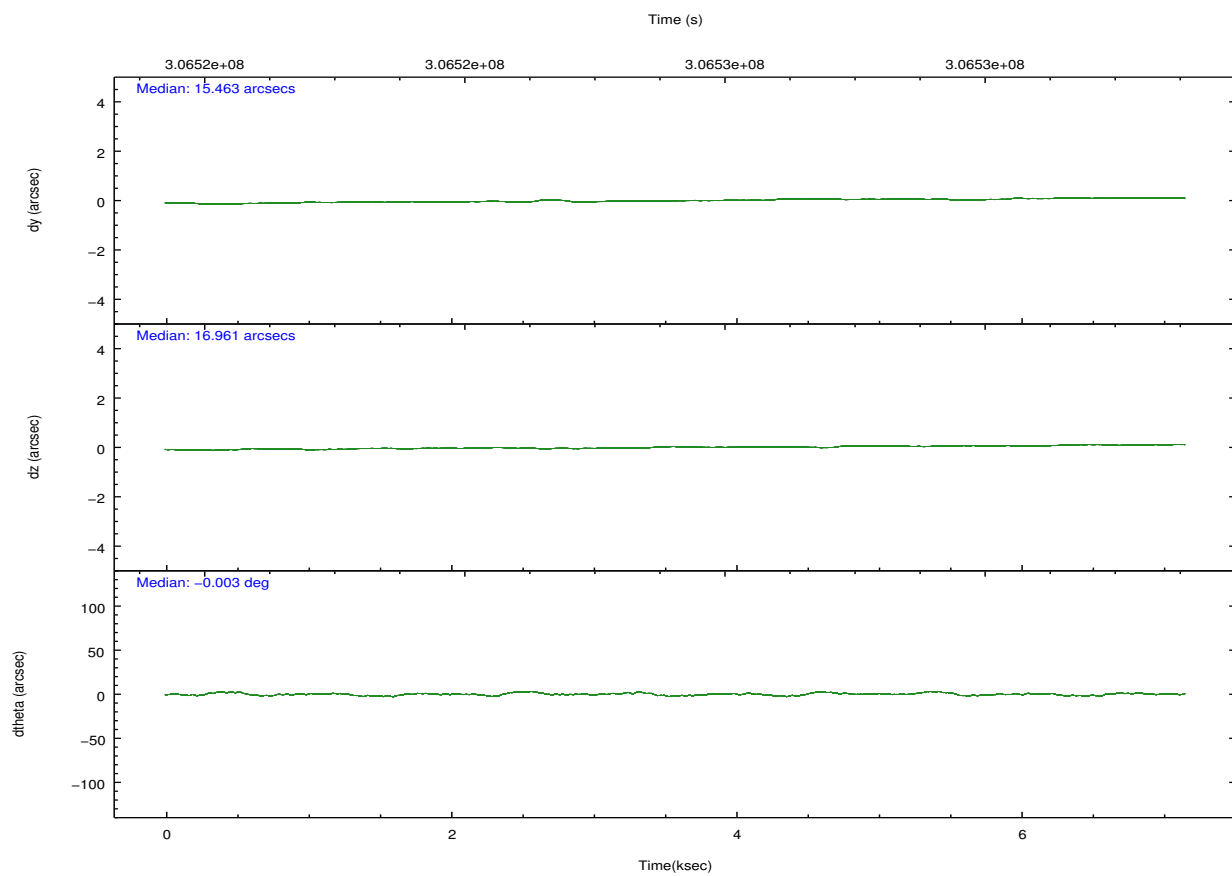
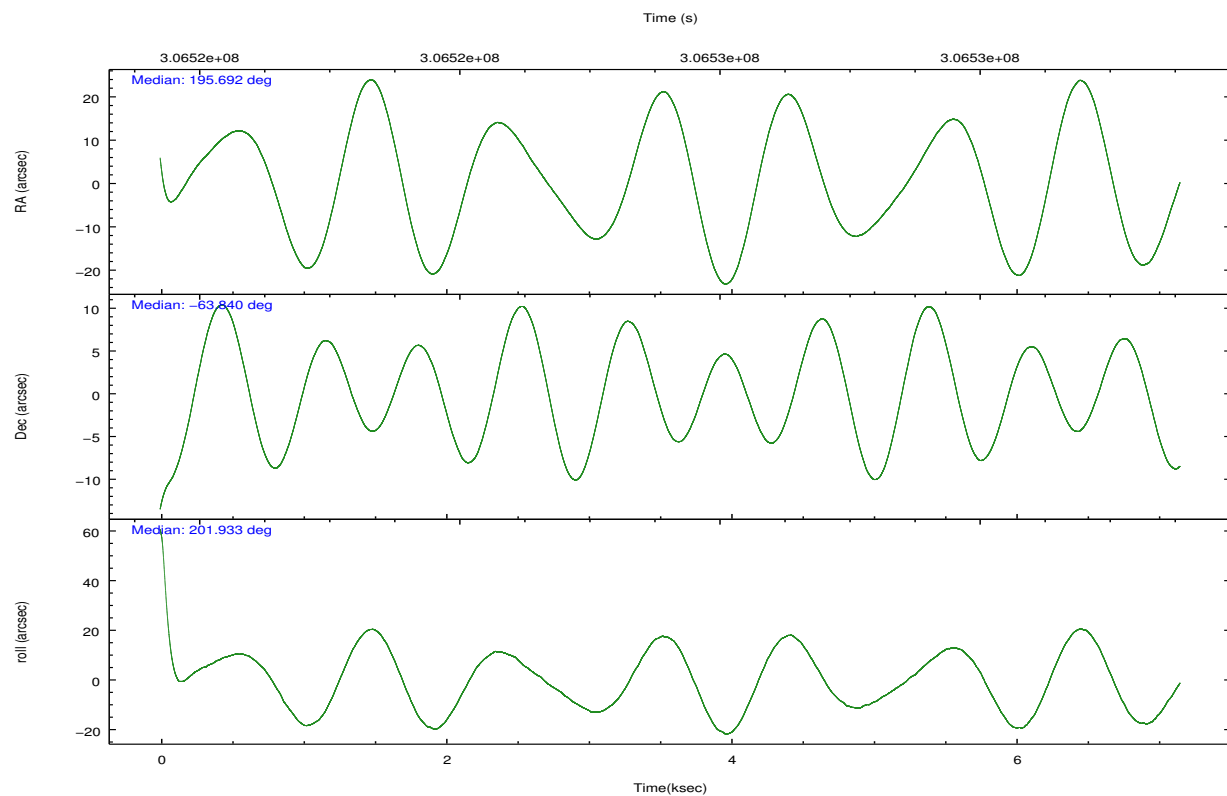
	ccd 7
grade 0 events	5421
	9%
grade 1 events	148
	0%
grade 2 events	13479
	22%
grade 3 events	3711
	6%
grade 4 events	3607
	5%
grade 5 events	8501
	14%
grade 6 events	25282
	42%
grade 7 events	0
	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	195.729342	195.6917772701969	Subarray requested	NONE	NONE
[deg] Pointing Dec	-63.817879	-63.83969453208474	Alternating exposures requested	N	N
[deg] Pointing Roll	201.826671	201.9496881668406	[s] Primary exposure time	0.000000	0
[s] Window start time (MET)	305769665.184000	305769665.184000			
[s] Window stop time (MET)	307497665.184000	307497665.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	306522190.184000	306521254.90536			
Observation start date	2007-09-18T17:02:05	2007-09-18T16:47:34			
[s] Observation end time (MET)	306529190.184000	306529565.60576			
Observation end date	2007-09-18T18:58:45	2007-09-18T19:06:05			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



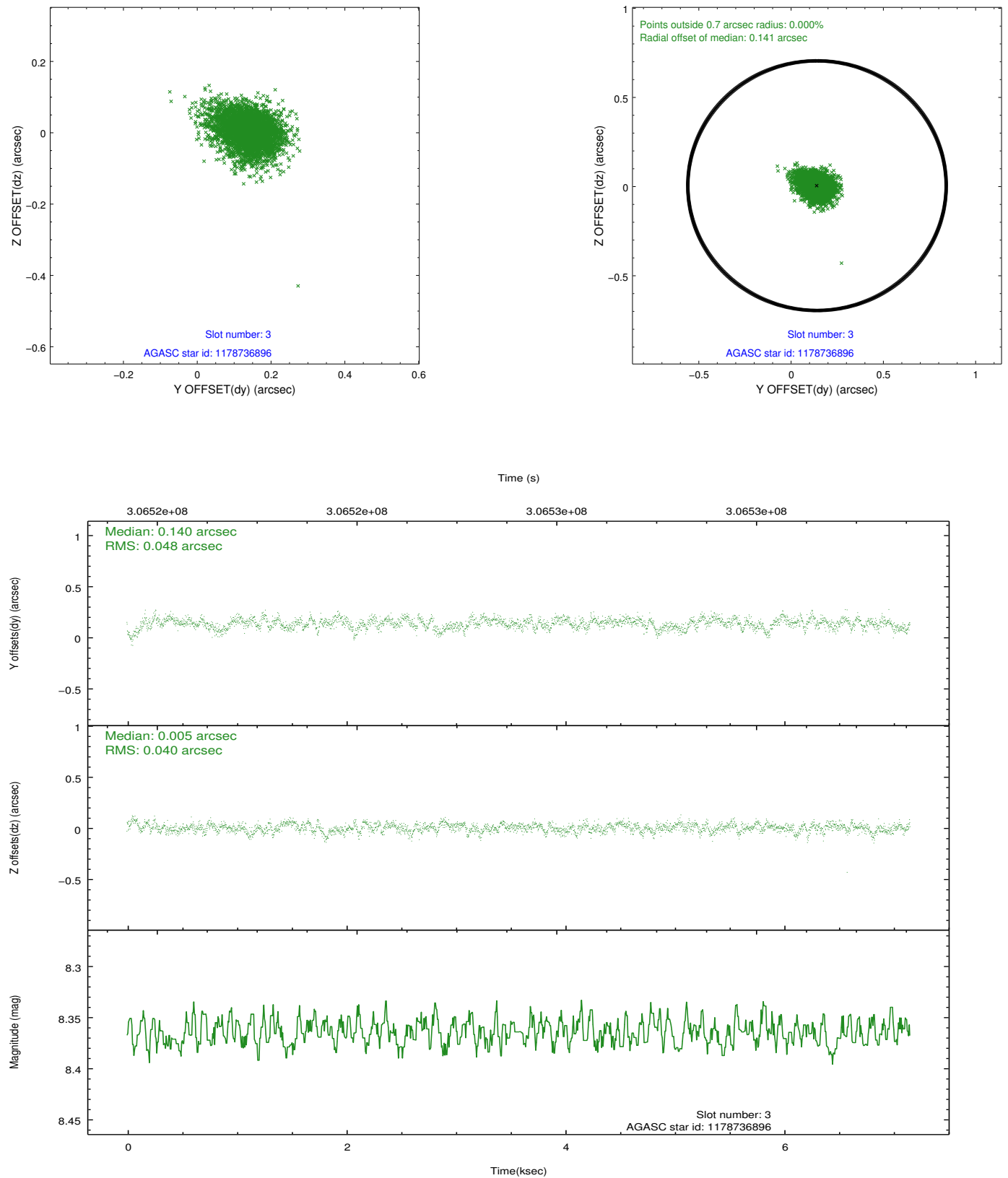


Slot Statistics

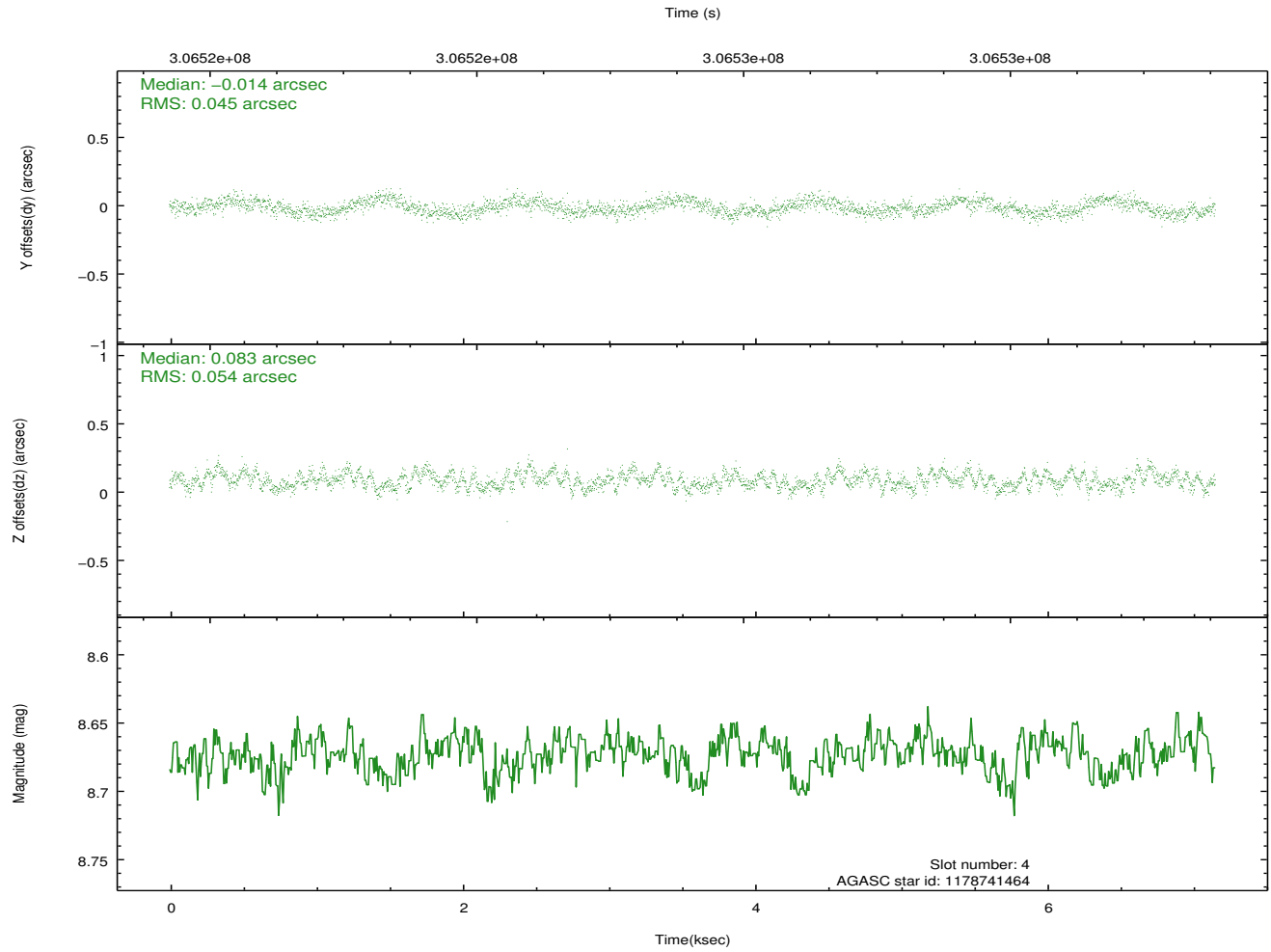
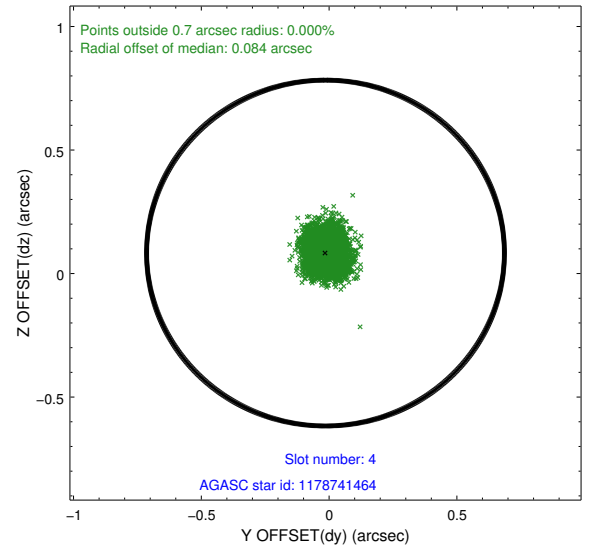
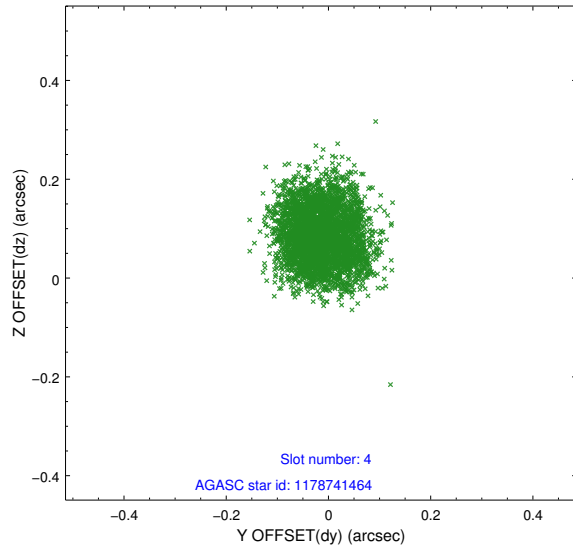
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1745	-0.069	-0.038	0.020	0.035	0.000000	0.000000	-768.55	-1738.41
1	FID	ACIS-S-4	7.18	1745	0.169	0.044	0.010	0.017	0.000000	0.000000	2144.64	169.25
2	FID	ACIS-S-5	7.21	1746	-0.131	0.003	0.022	0.034	0.000000	0.000000	-1820.39	163.89
3	GUIDE	1178736896	8.36	3491	0.140	0.005	0.065	0.110	194.755483	-63.640622	1212.39	-1159.82
4	GUIDE	1178741464	8.67	3489	-0.014	0.083	0.076	0.118	196.205525	-63.491457	-1145.79	-804.39
5	GUIDE	1179259632	7.80	3491	-0.013	-0.047	0.057	0.095	194.903869	-64.371399	1939.17	1379.25
6	GUIDE	1178734856	8.21	3491	0.015	0.046	0.055	0.090	195.759625	-63.178913	-899.99	-2116.96
7	GUIDE	1179267848	7.91	3489	-0.132	-0.091	0.060	0.093	195.158124	-64.292418	1463.77	1257.61

2.4 Star Slots

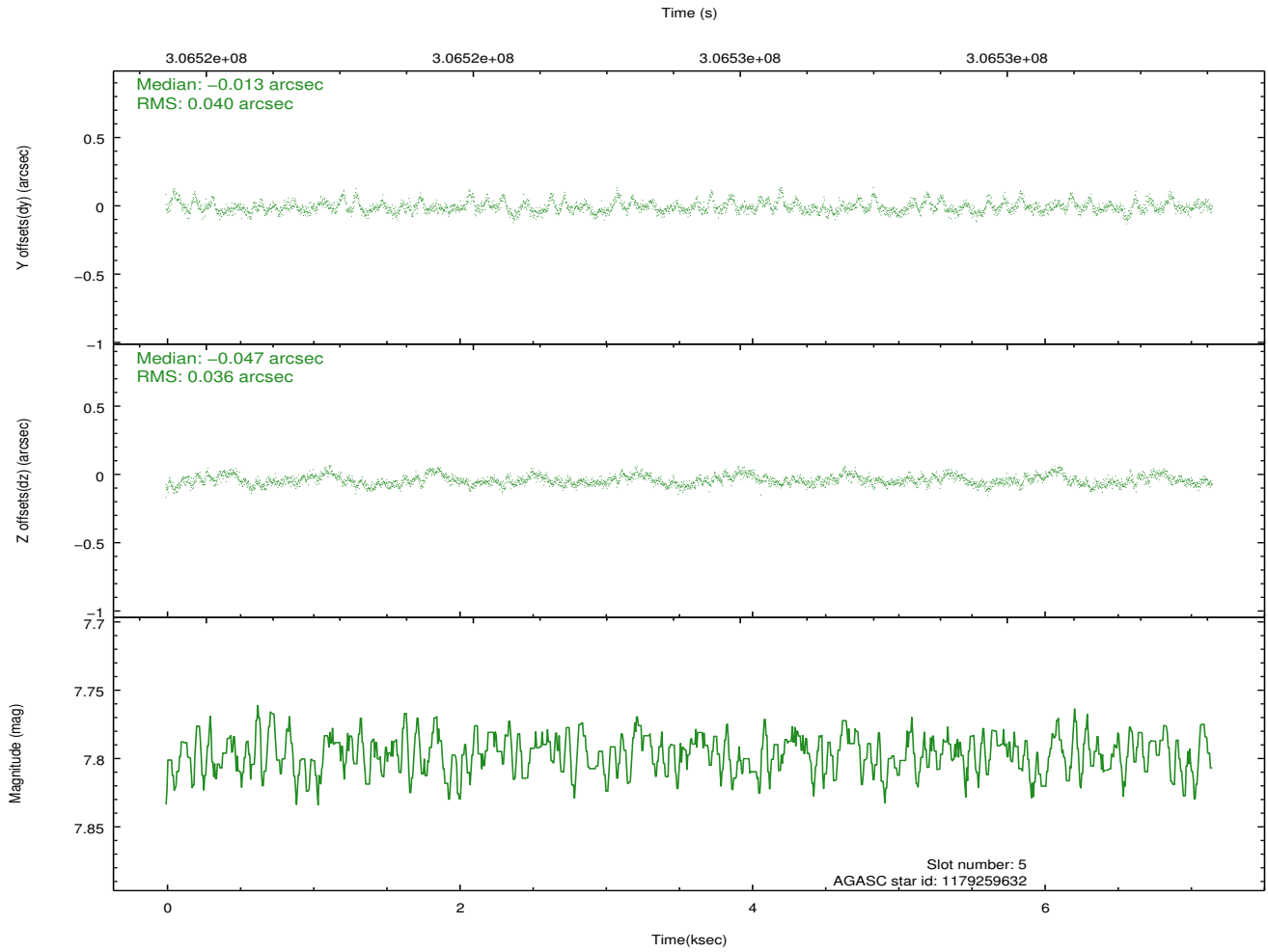
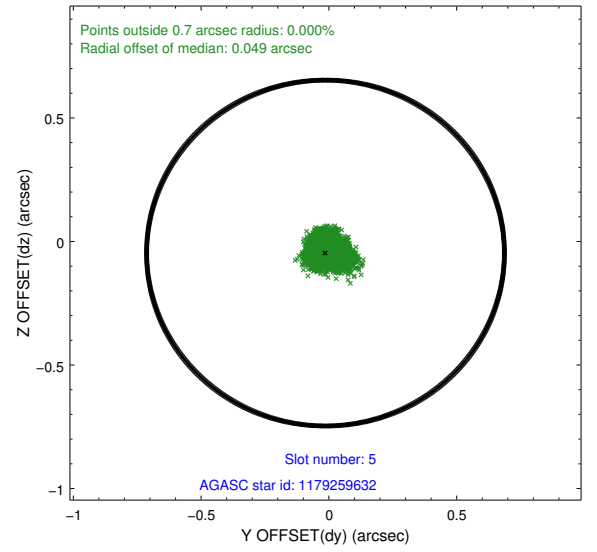
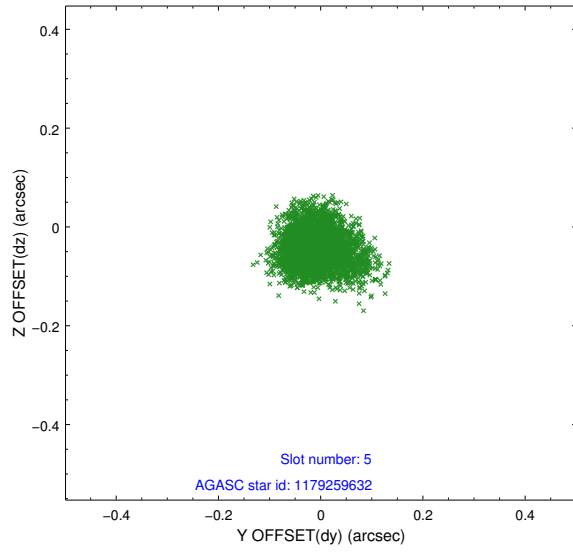
2.4.1 Slot 3



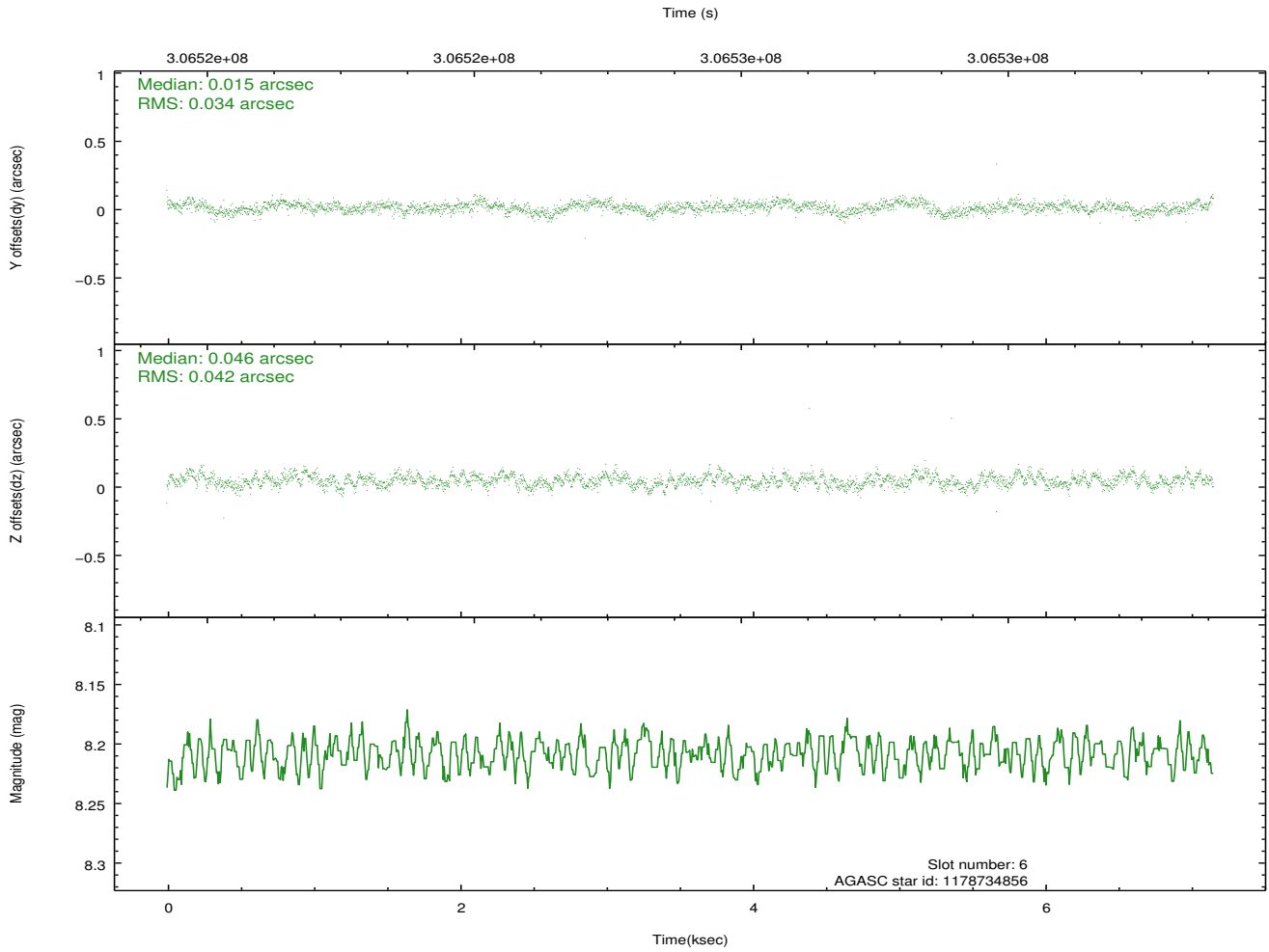
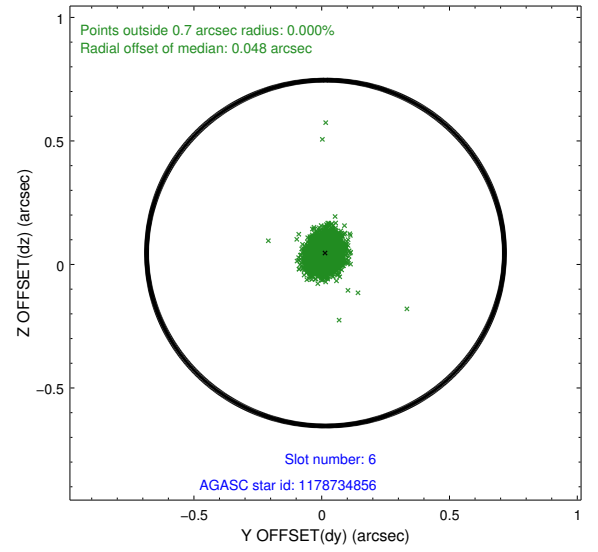
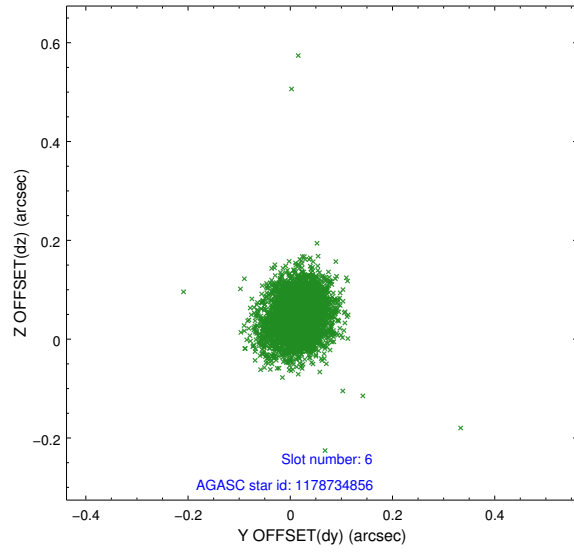
2.4.2 Slot 4



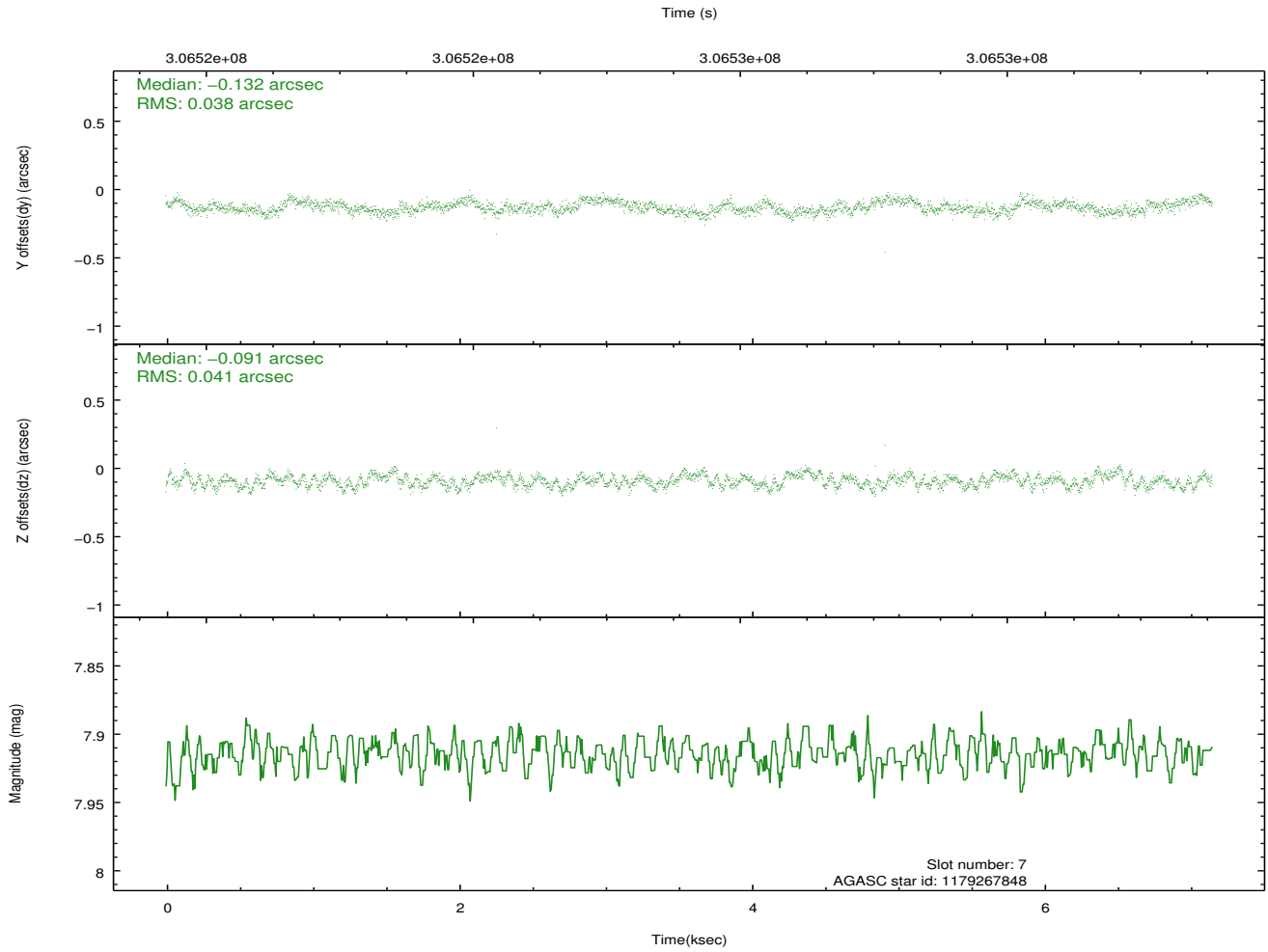
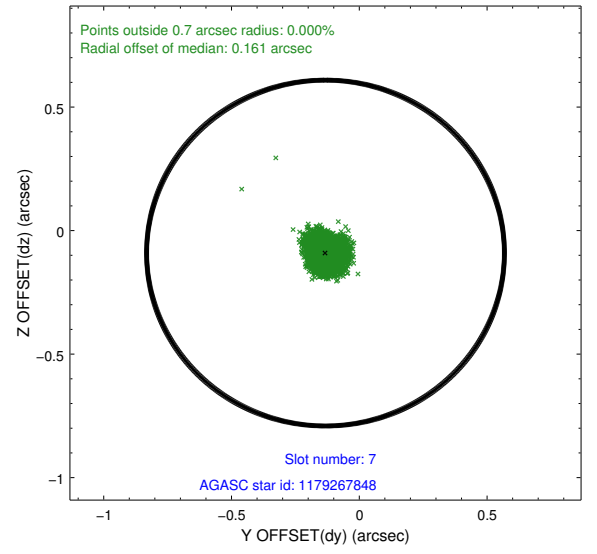
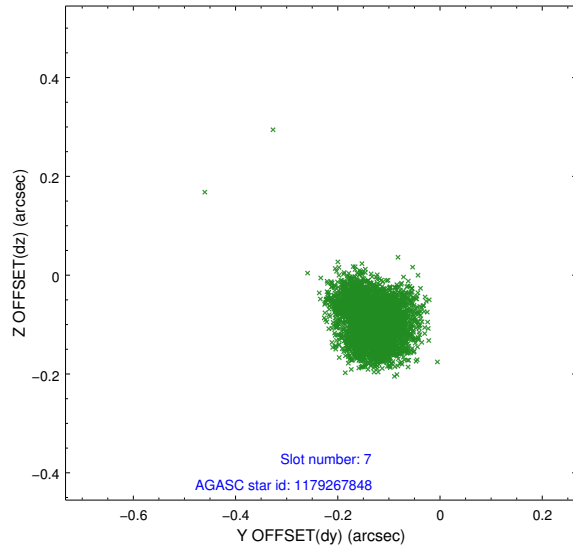
2.4.3 Slot 5



2.4.4 Slot 6

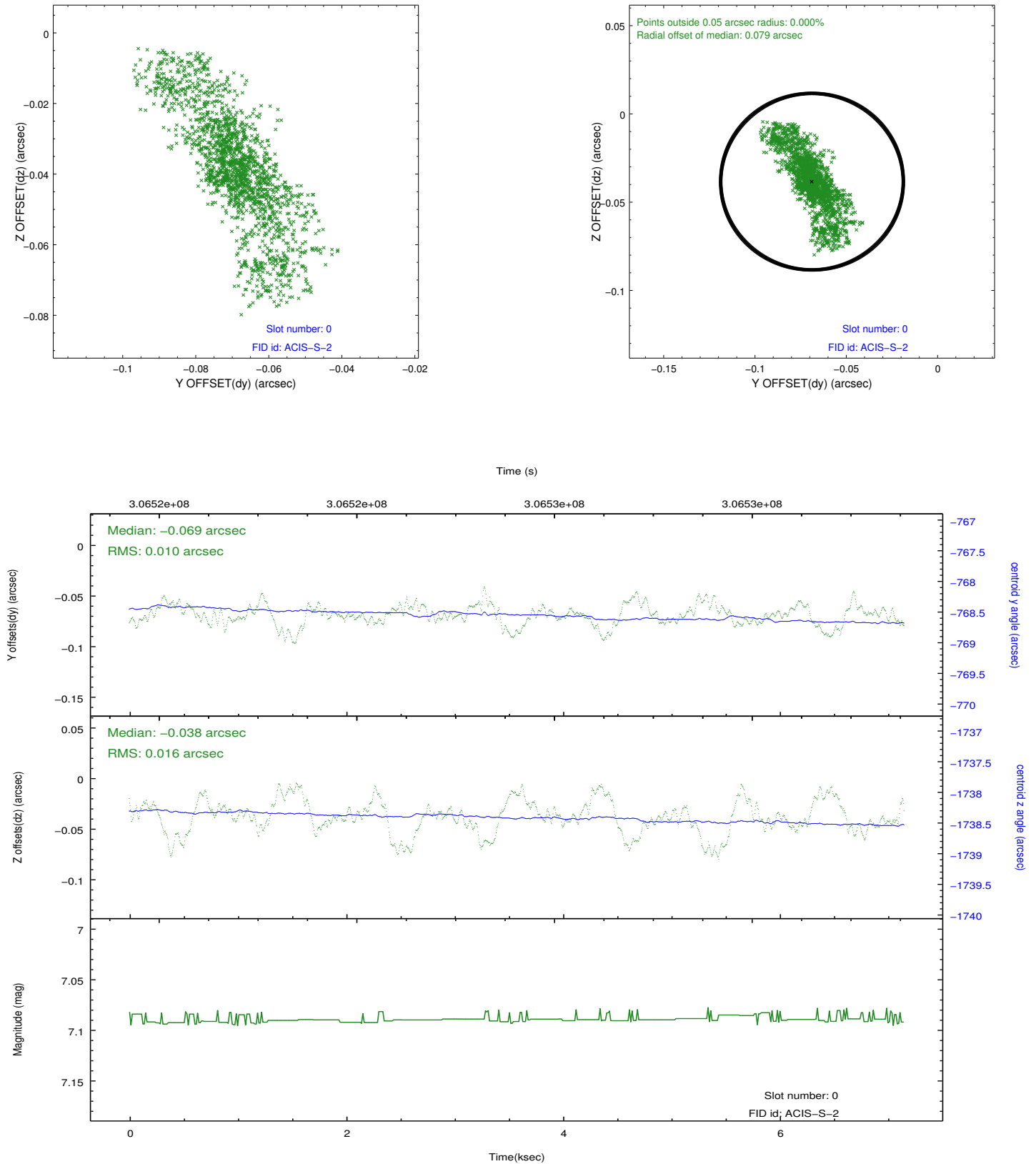


2.4.5 Slot 7

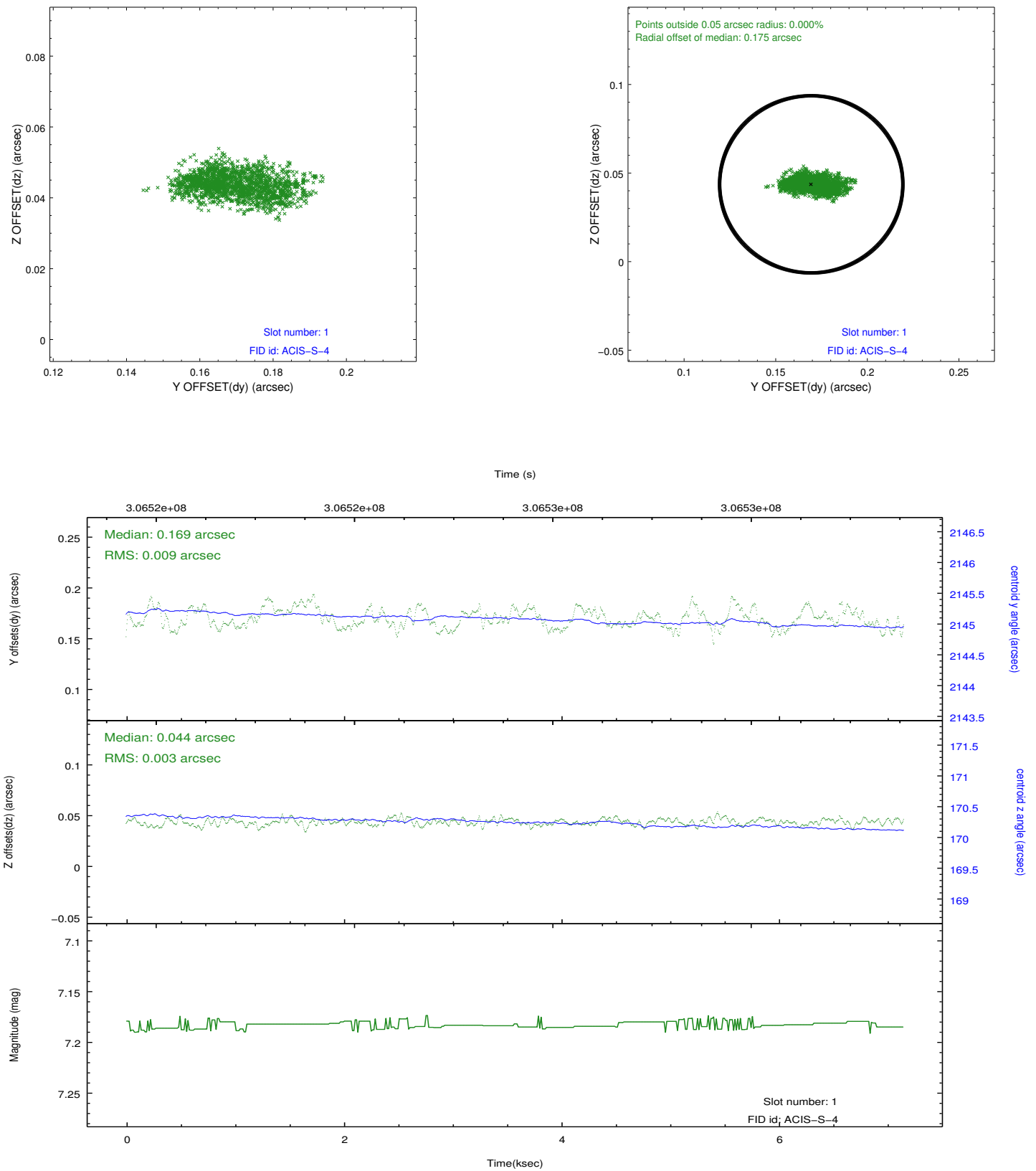


2.5 FID Slots

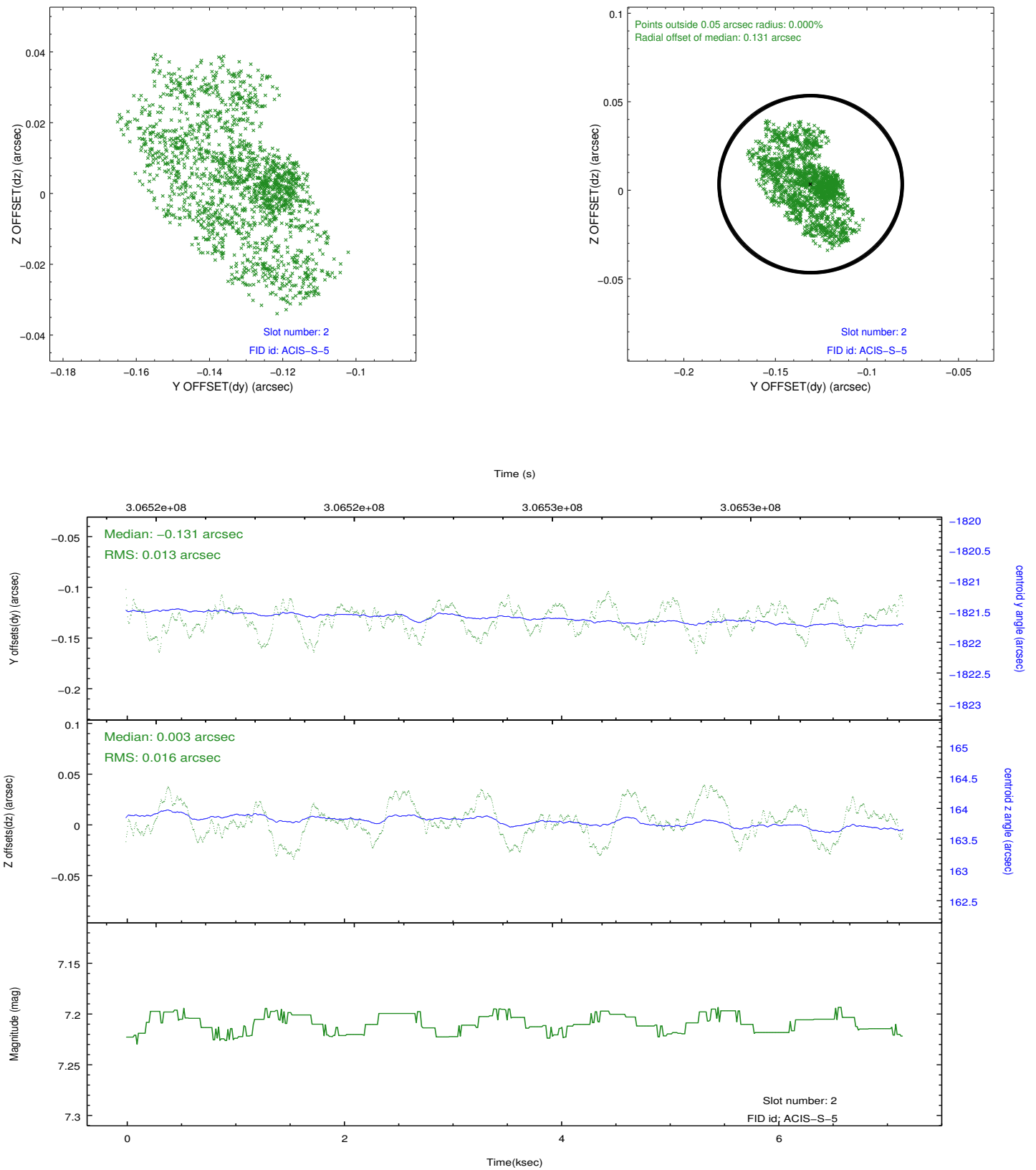
2.5.1 Slot 0



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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.14875

A.2 Comments

The requested mode was CC with 1/8 subarray, which is invalid - there can be no subarray in CC-mode. Done in CC for all rows.