

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 20040 - L2 Version 1
Chandra X-Ray Center

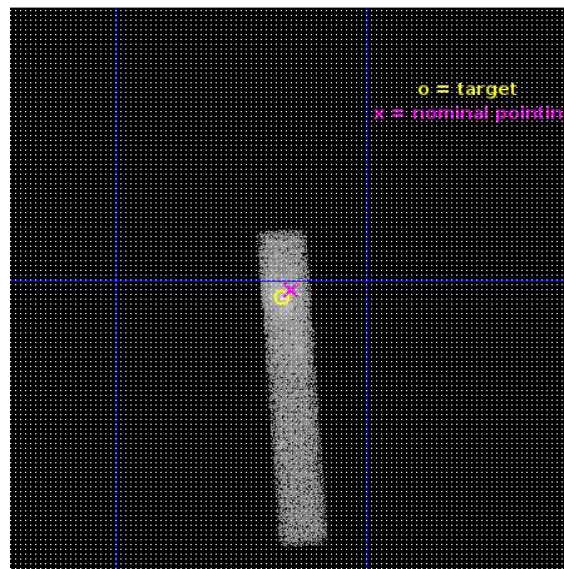
L2 Processing Date : Apr 13 2017

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1 Front

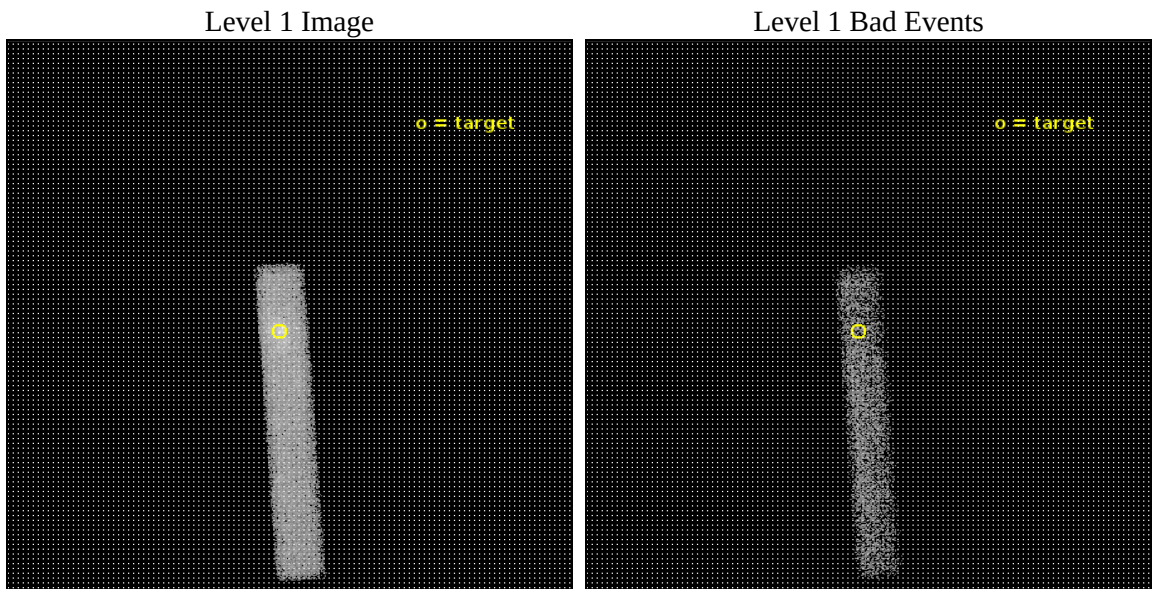
seq_num	601405	Sequence number
obs_id	20040	Observation id
title	Simultaneous Chandra/EHT/NuSTAR Monitoring of Sgr A* Flares	Propos
observer	Gordon Garmire	Principal investigator
object	SgrA*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007833	Observer's specified target Dec [deg]
ra_nom	266.41232756055	Nominal RA [deg]
dec_nom	-29.004287934337	Nominal Dec [deg]
roll_nom	86.054524111708	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30355.191935062	Sum of GTIs [s]
livetime	27530.556806696	Livetime [s]
ontime7	30355.191935062	Sum of GTIs [s]
l2events	31554	Number of level 2 events



2 OBI

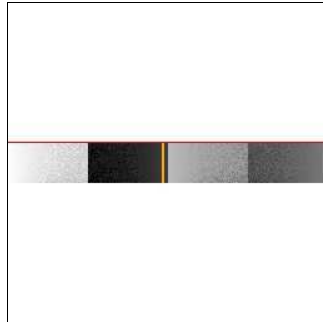
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30502.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	30355.191935062	Sum of GTIs [s]
caldsver	4.7.3	 	ontime7	30355.191935062	Sum of GTIs [s]
date	2017-04-13T05:26:28	Date and time of file creation	l1events	51617	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

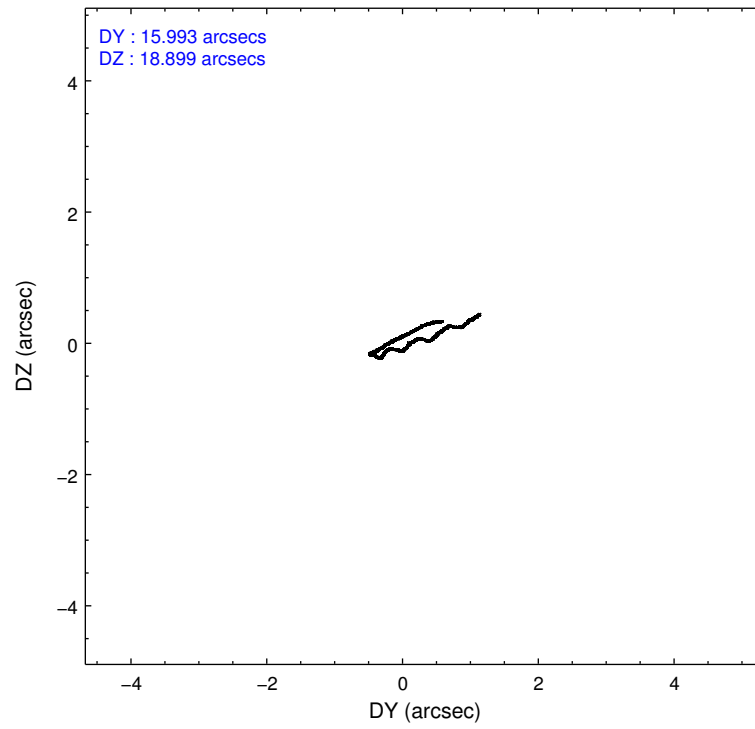
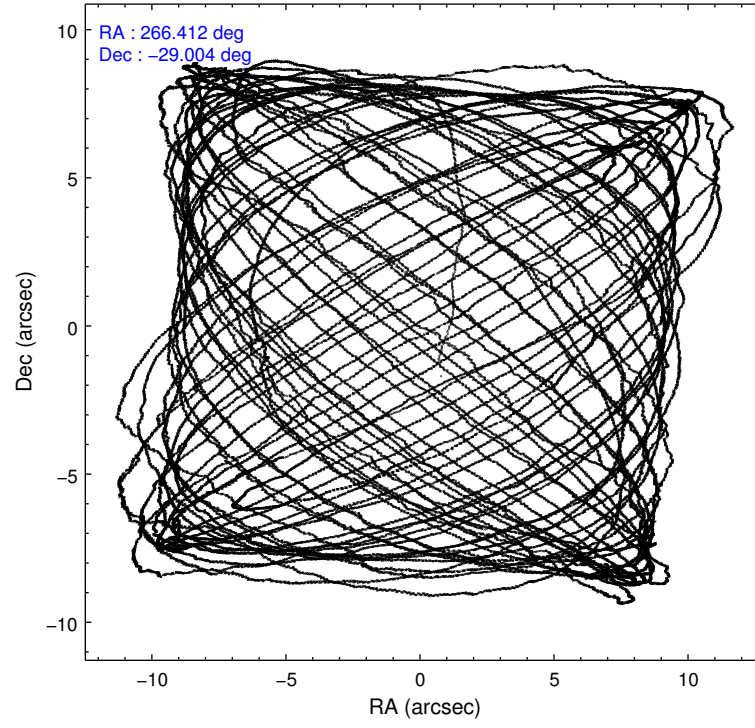
	ccd 7
level 1 events	51617
rejected events	19148
rejected %	37%

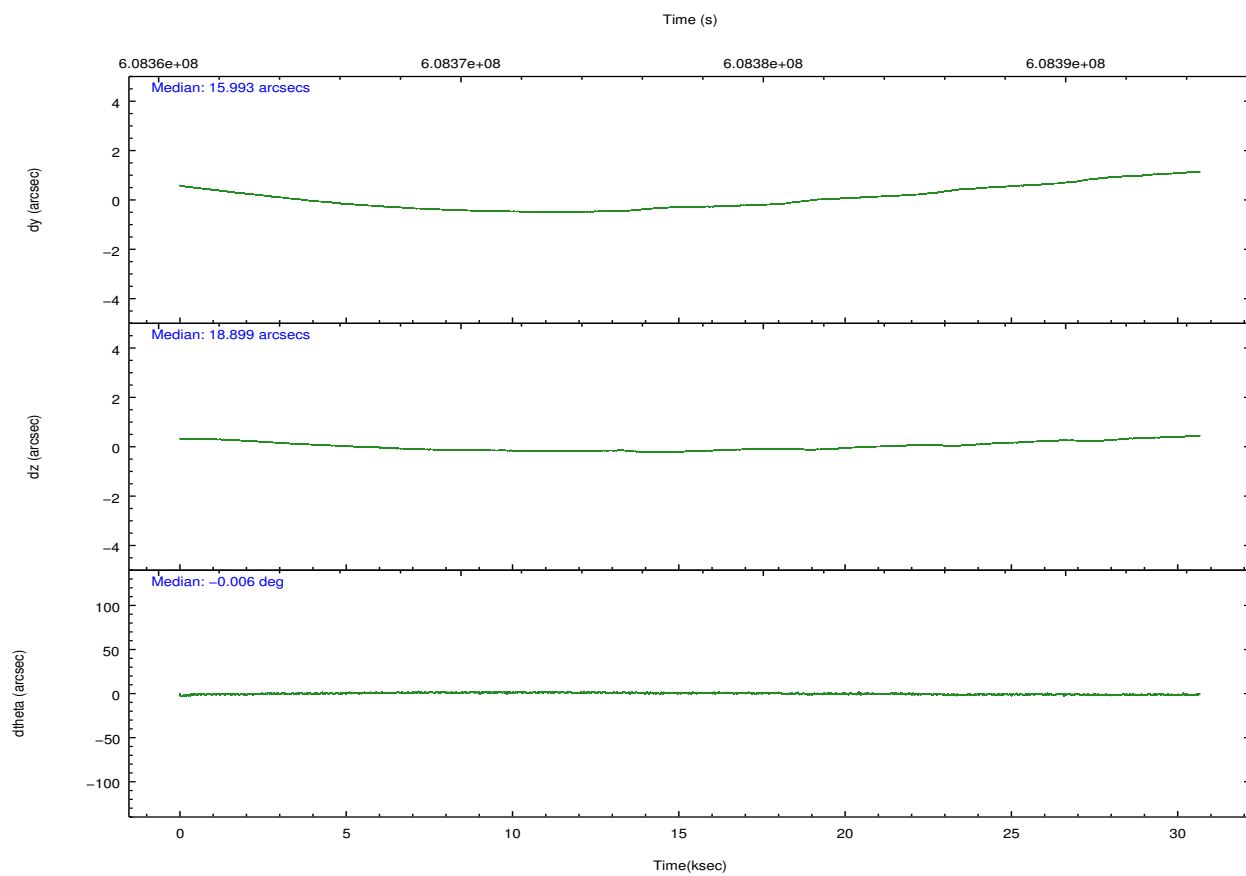
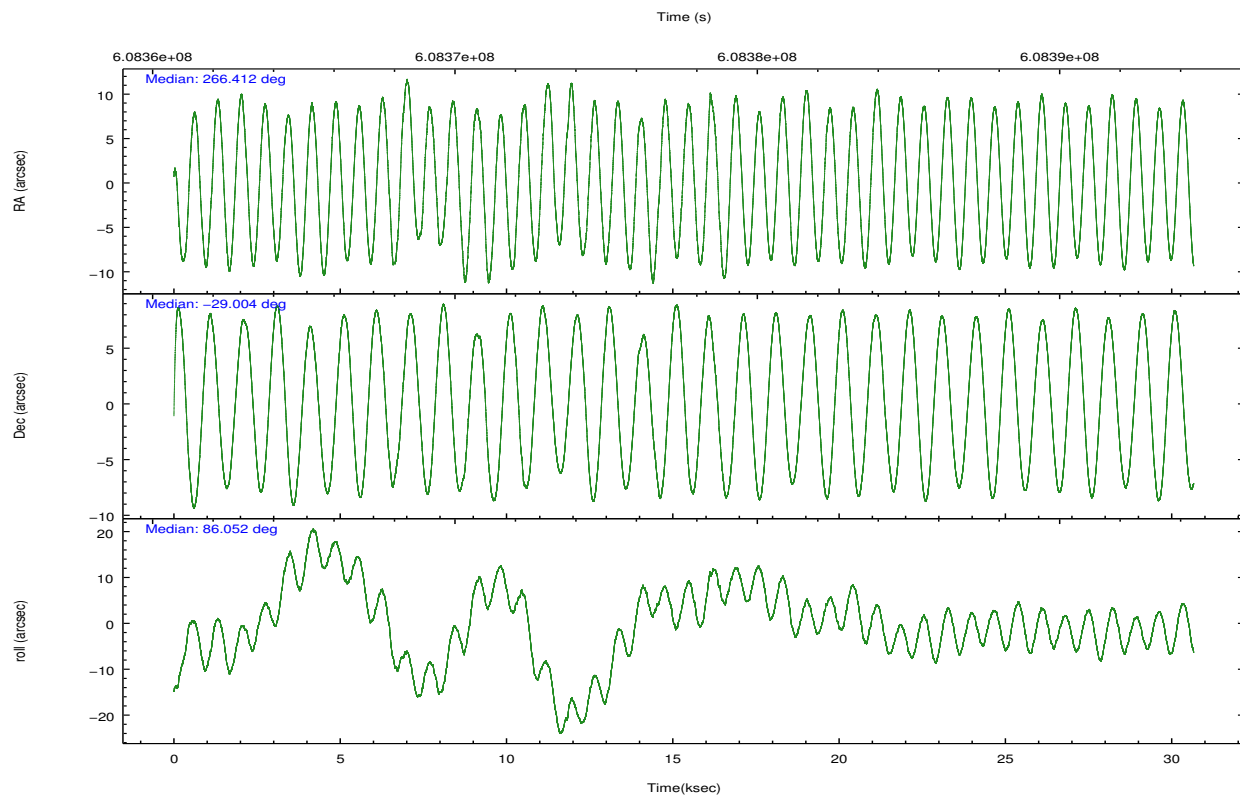
	ccd 7
grade 0 events	4682
	9%
grade 1 events	73
	0%
grade 2 events	6933
	13%
grade 3 events	3757
	7%
grade 4 events	3802
	7%
grade 5 events	3727
	7%
grade 6 events	13295
	25%
grade 7 events	15348
	29%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.426495	266.4123275605512	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-29.028779	-29.00428793433704	Subarray start row	449	449
[deg] Pointing Roll	85.904765	86.05452411170796	Subarray row count	128	128
[s] Window start time (MET)	608356869.184000	608356869.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	608392869.184000	608392869.184000	[s] Primary exposure time	0.000000	0.4
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	608362366.184000	608361502.23282			
Observation start date	2017-04-12T05:31:37	2017-04-12T05:18:22			
[s] Observation end time (MET)	608392868.184000	608393752.32219			
Observation end date	2017-04-12T13:59:59	2017-04-12T14:15:52			
Read mode	TIMED	TIMED			

2.3 Aspect



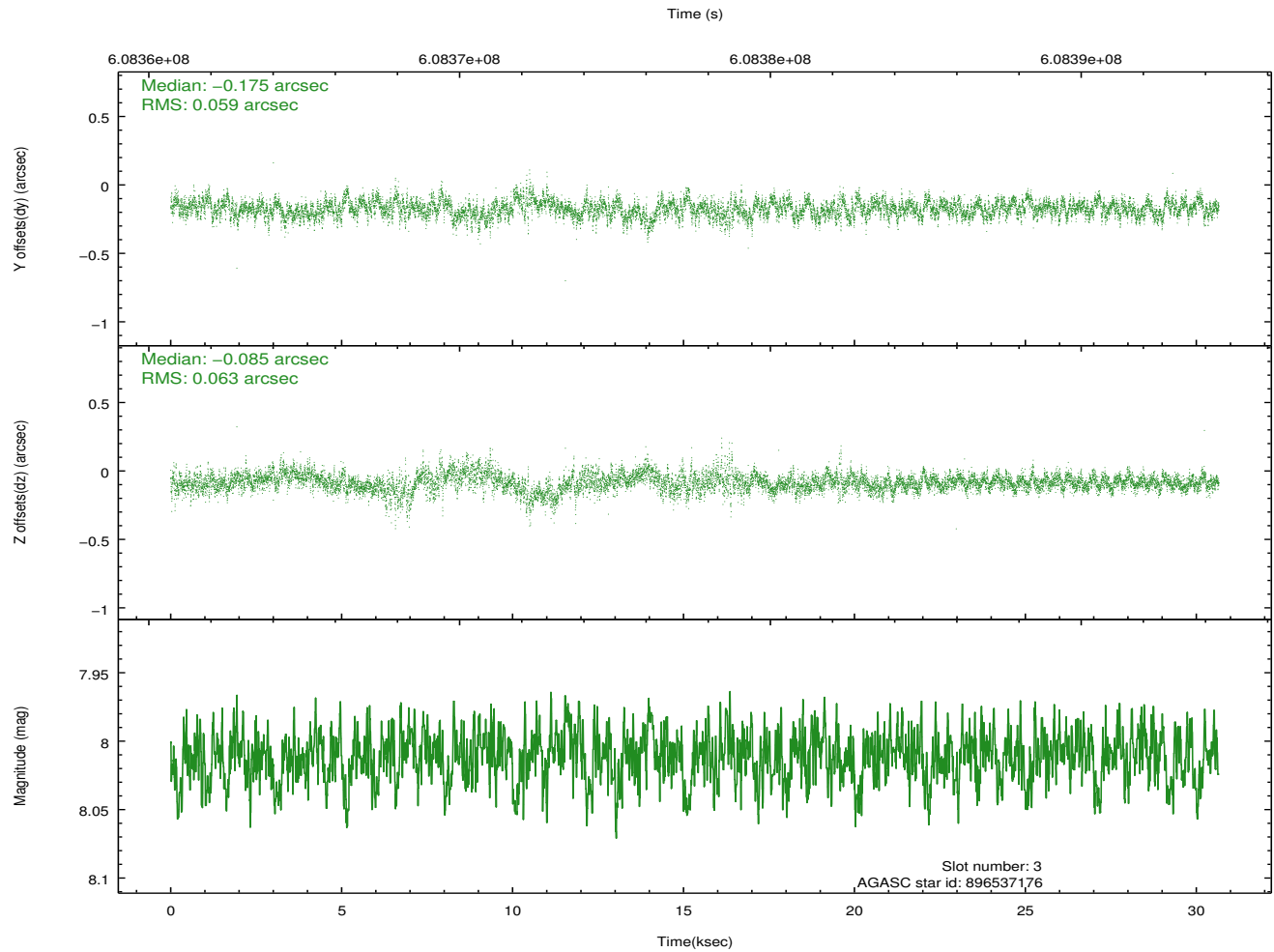
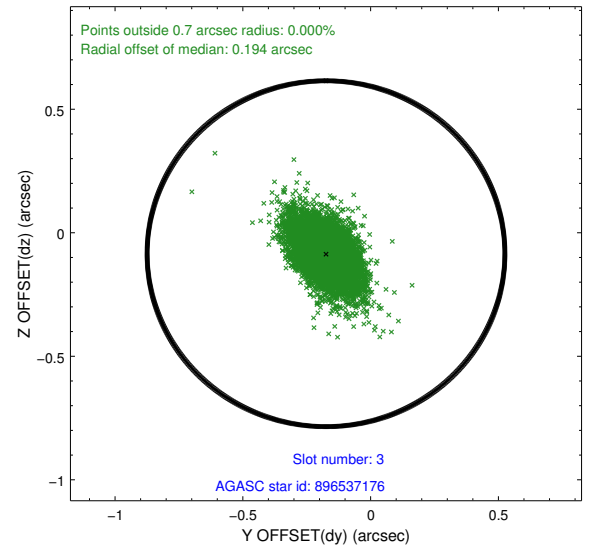
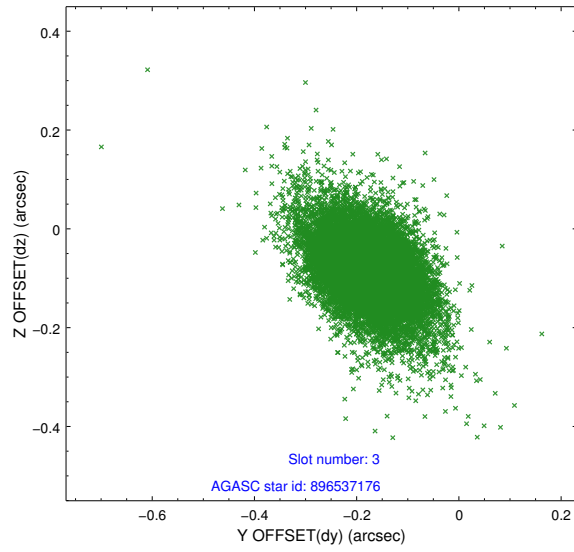


Slot Statistics

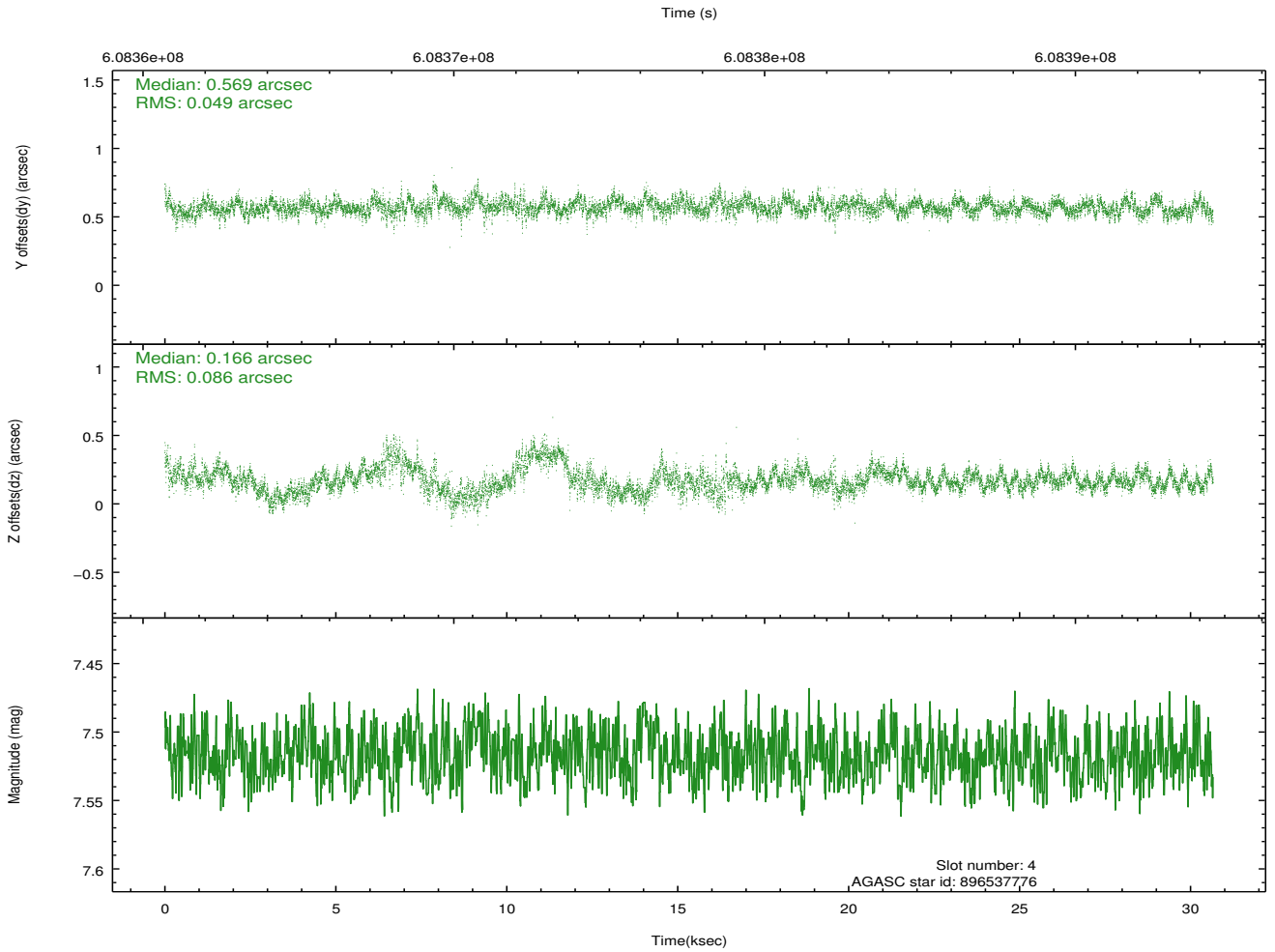
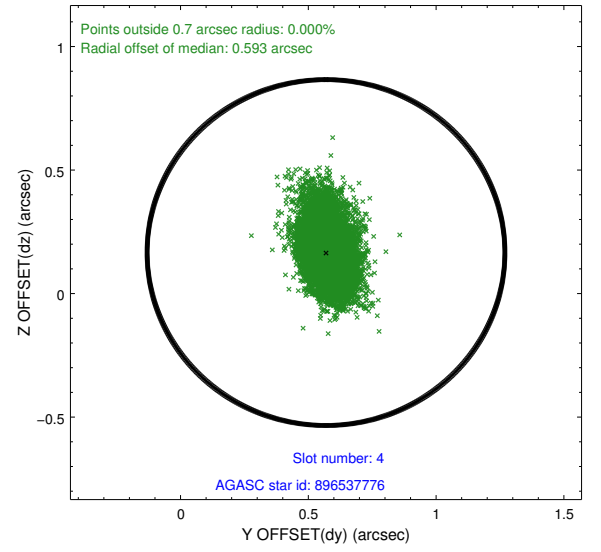
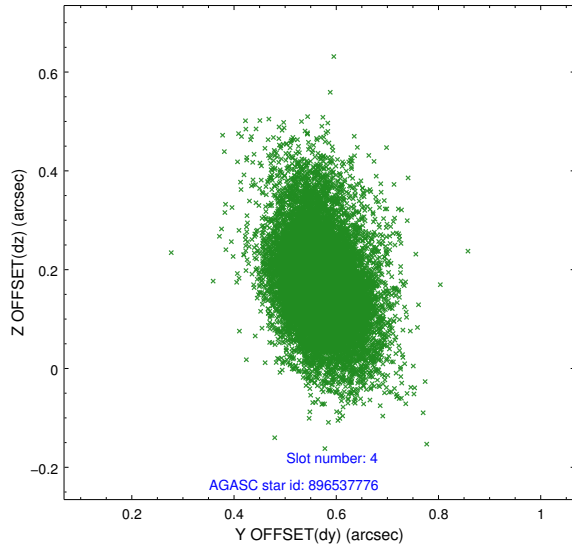
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-4	7.18	7478	0.400	0.026	0.008	0.013	0.000000	0.000000	2144.67	168.39
1	FID		ACIS-S-5	7.17	7479	-0.453	0.012	0.010	0.016	0.000000	0.000000	-1822.29	161.73
2	FID		ACIS-S-6	7.33	7478	0.024	-0.023	0.009	0.014	0.000000	0.000000	392.45	805.51
3	GUIDE	used	896537176	8.01	14953	-0.175	-0.085	0.085	0.156	266.498272	-28.678259	1274.74	-135.93
4	GUIDE	used	896537776	7.52	14957	0.569	0.166	0.096	0.191	266.655684	-29.665673	-2235.63	-878.78
5	GUIDE	used	896538208	7.95	14949	0.180	0.280	0.108	0.190	267.176969	-28.671626	1444.61	-2272.74
6	GUIDE	used	896541360	7.70	14884	0.471	0.176	0.108	0.193	266.684478	-29.453744	-1468.34	-915.91
7	GUIDE	used	896534664	8.19	14951	-1.046	-0.539	0.092	0.182	266.405570	-28.407461	2225.29	225.44

2.4 Star Slots

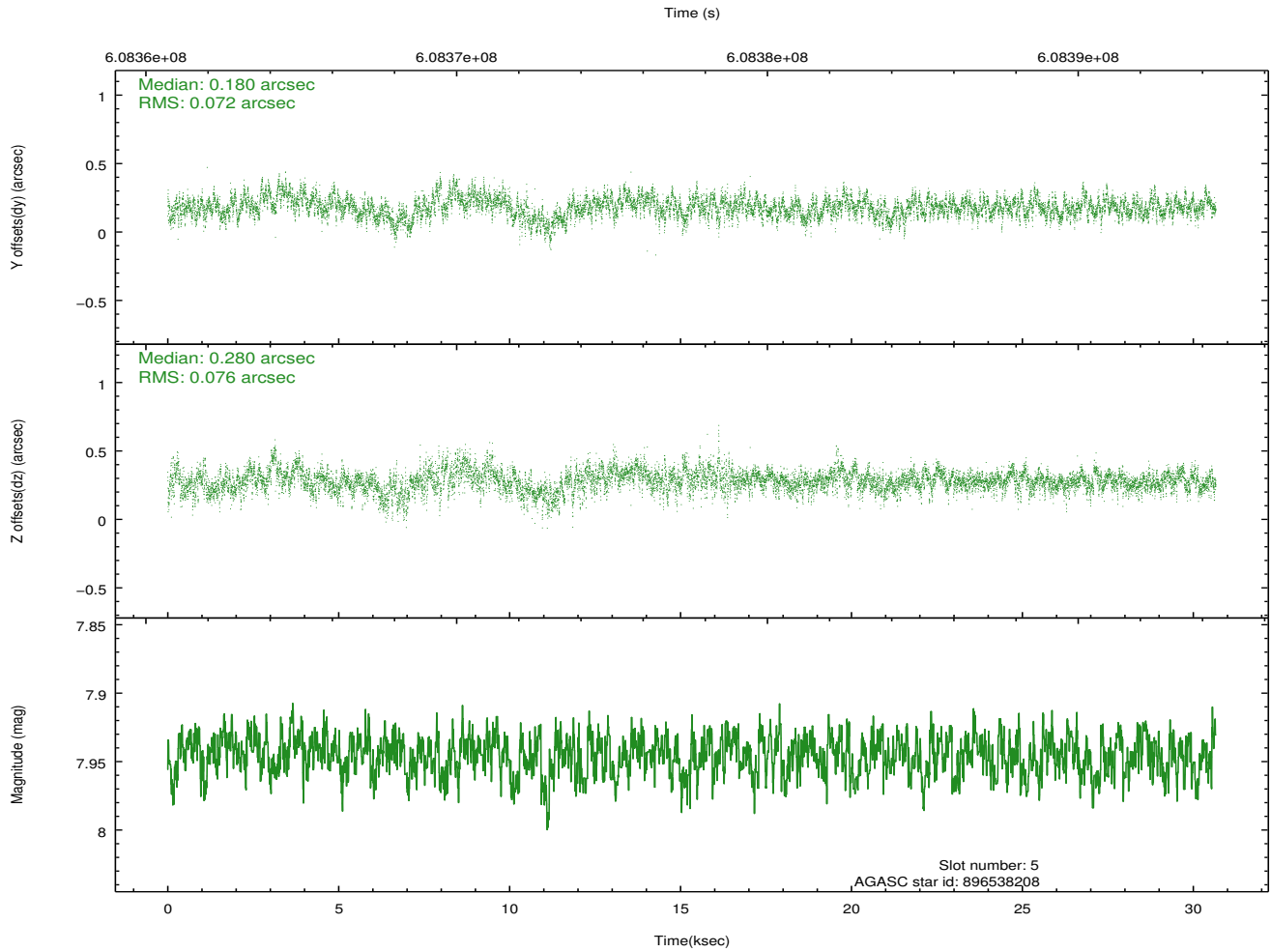
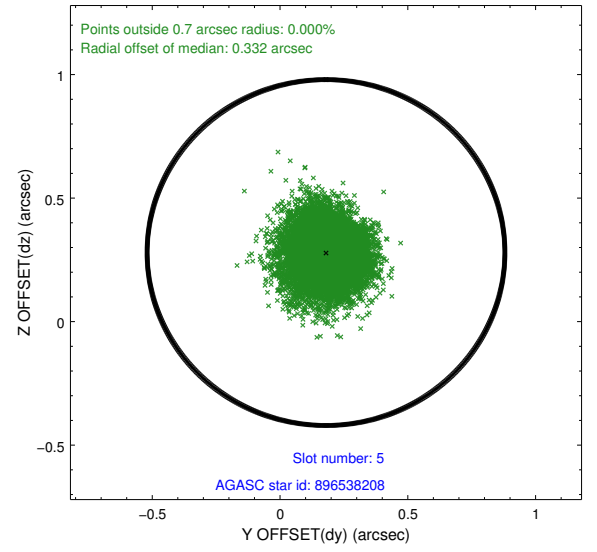
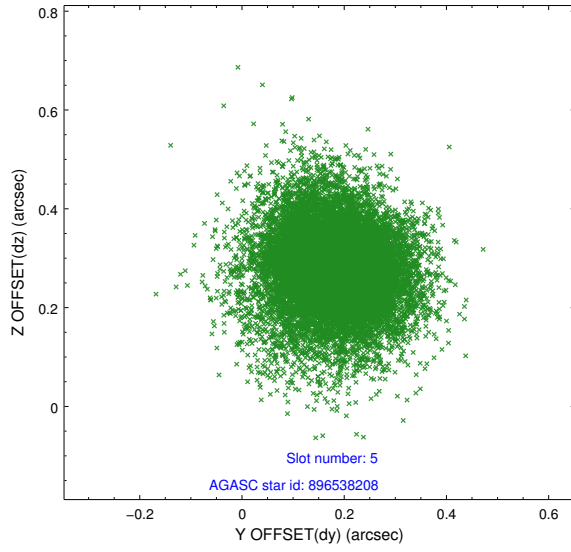
2.4.1 Slot 3



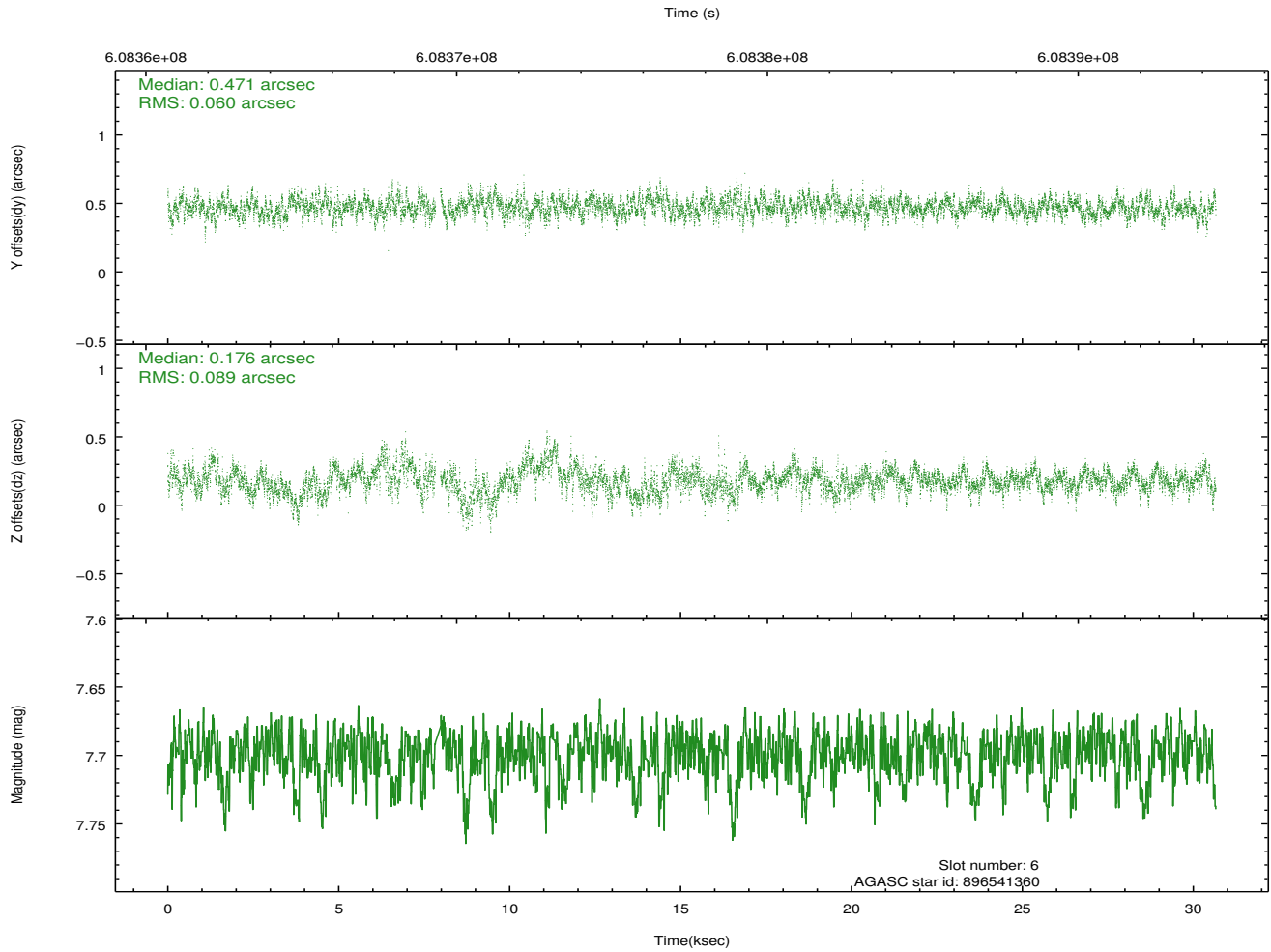
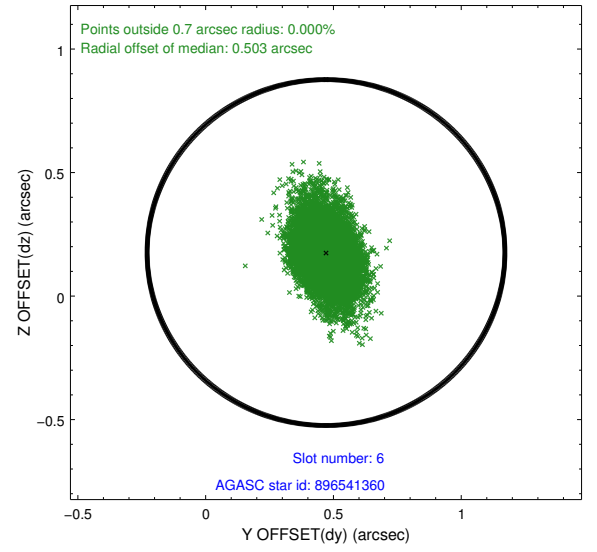
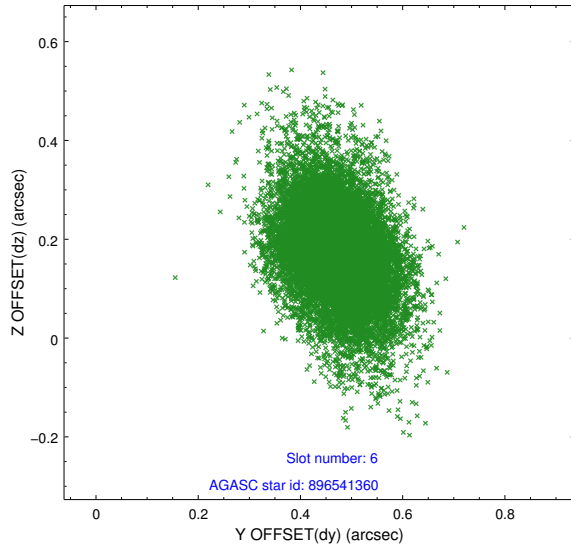
2.4.2 Slot 4



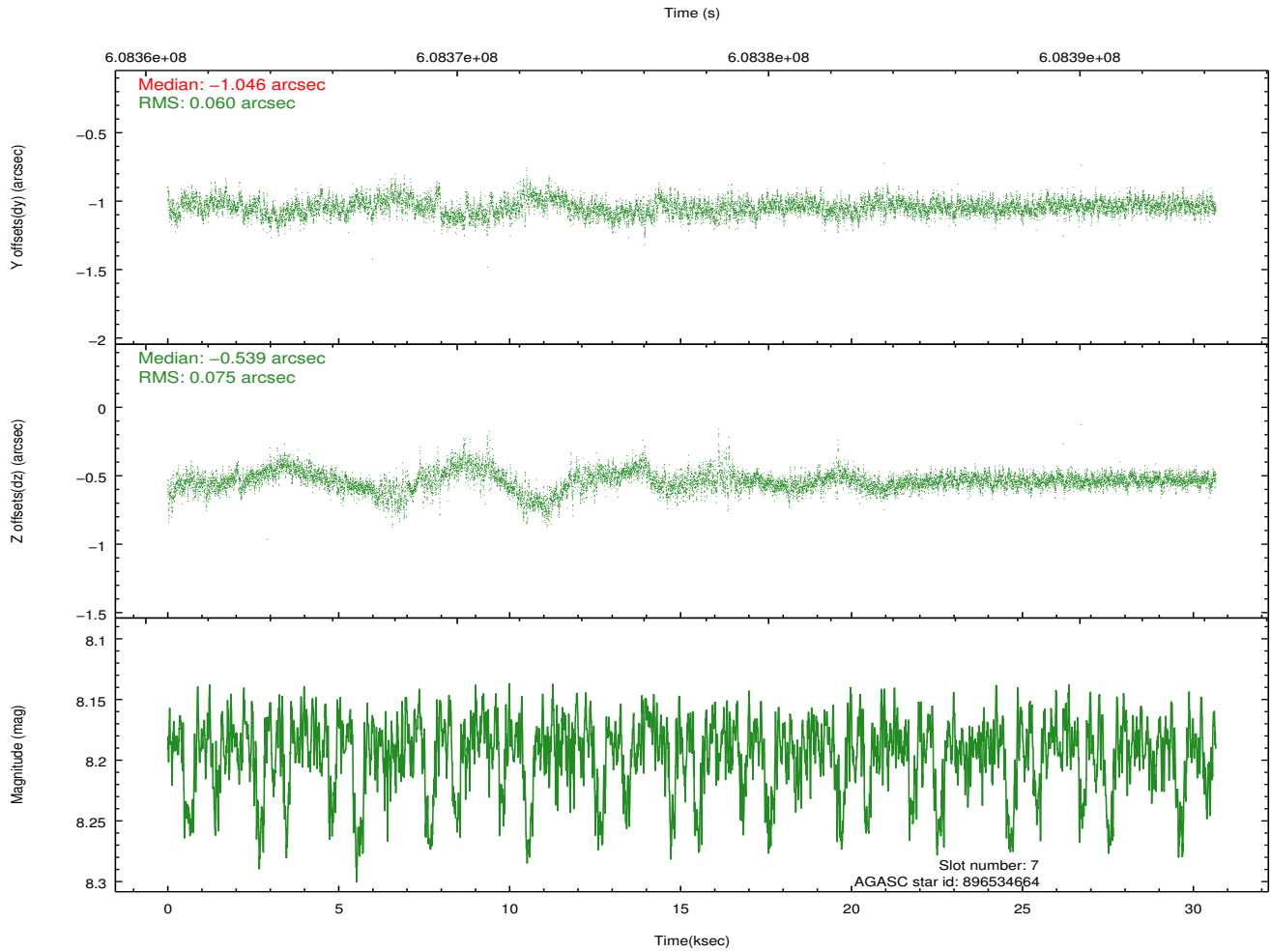
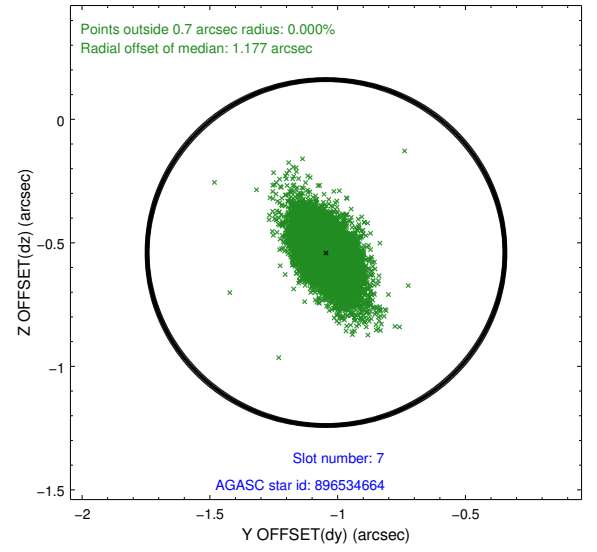
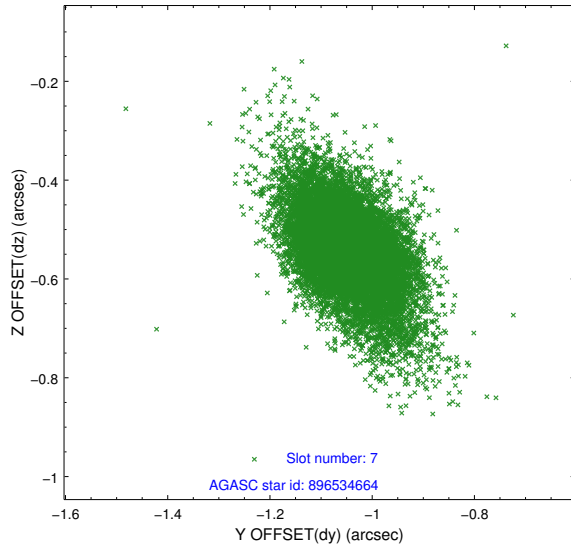
2.4.3 Slot 5



2.4.4 Slot 6

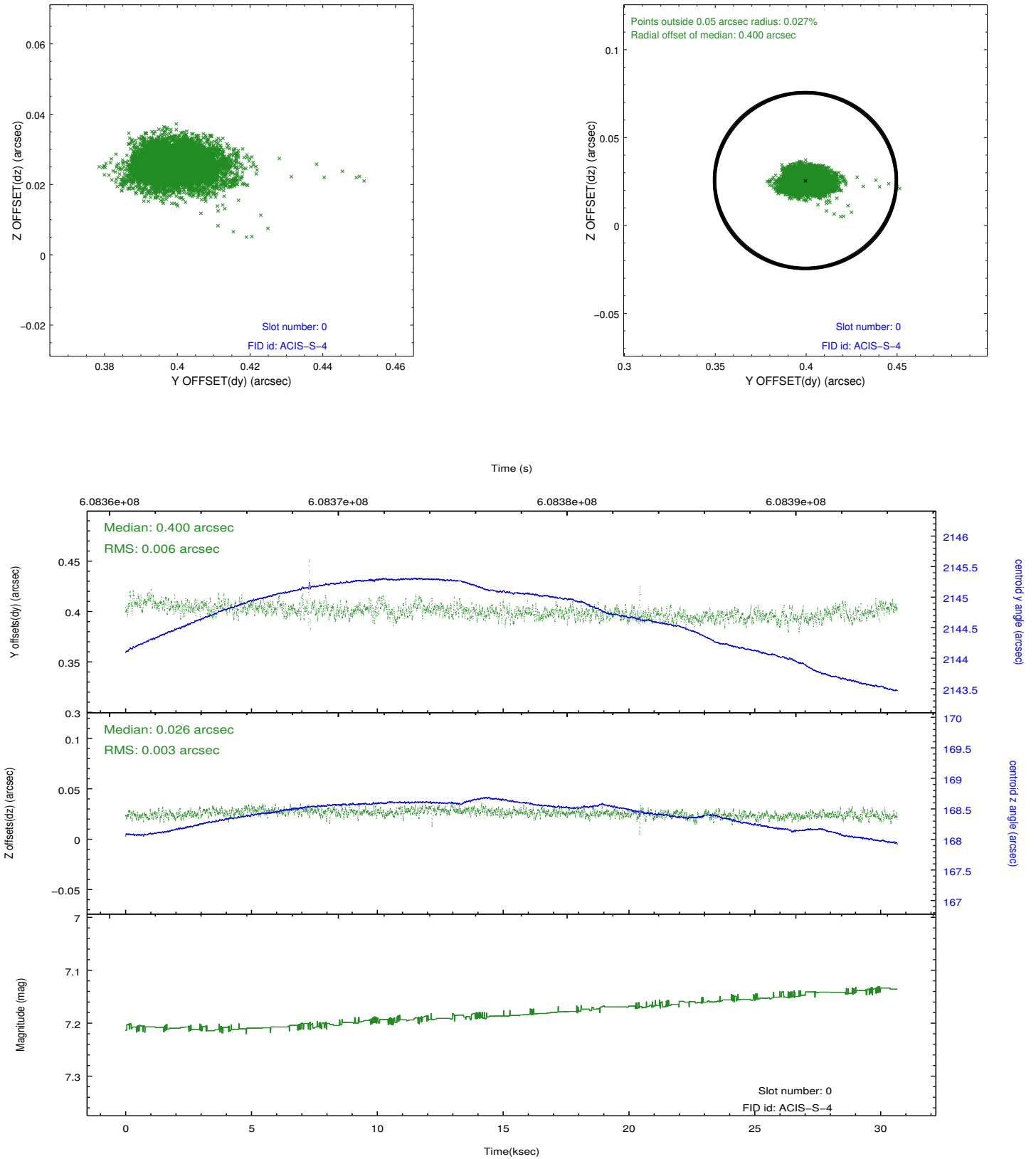


2.4.5 Slot 7

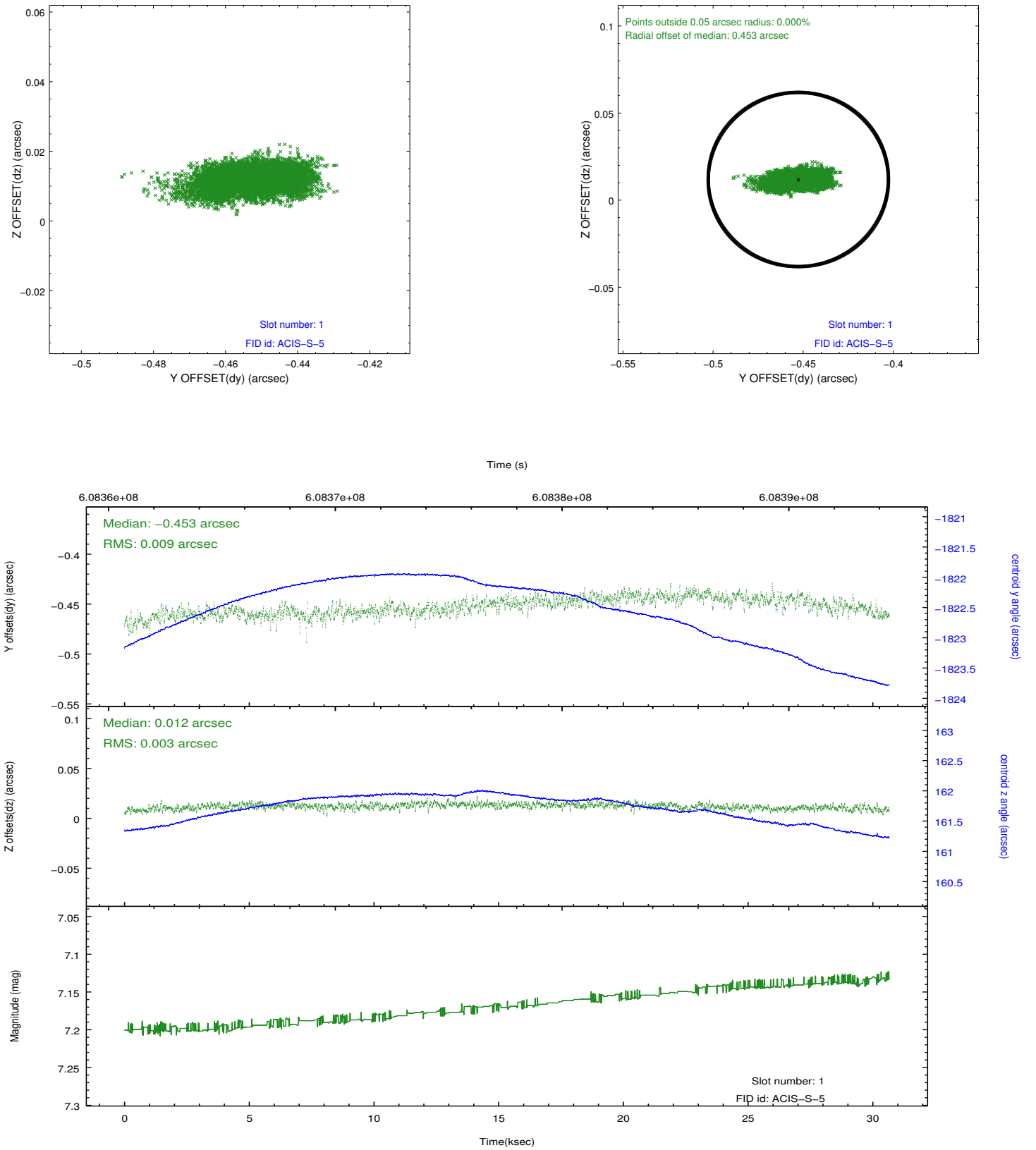


2.5 FID Slots

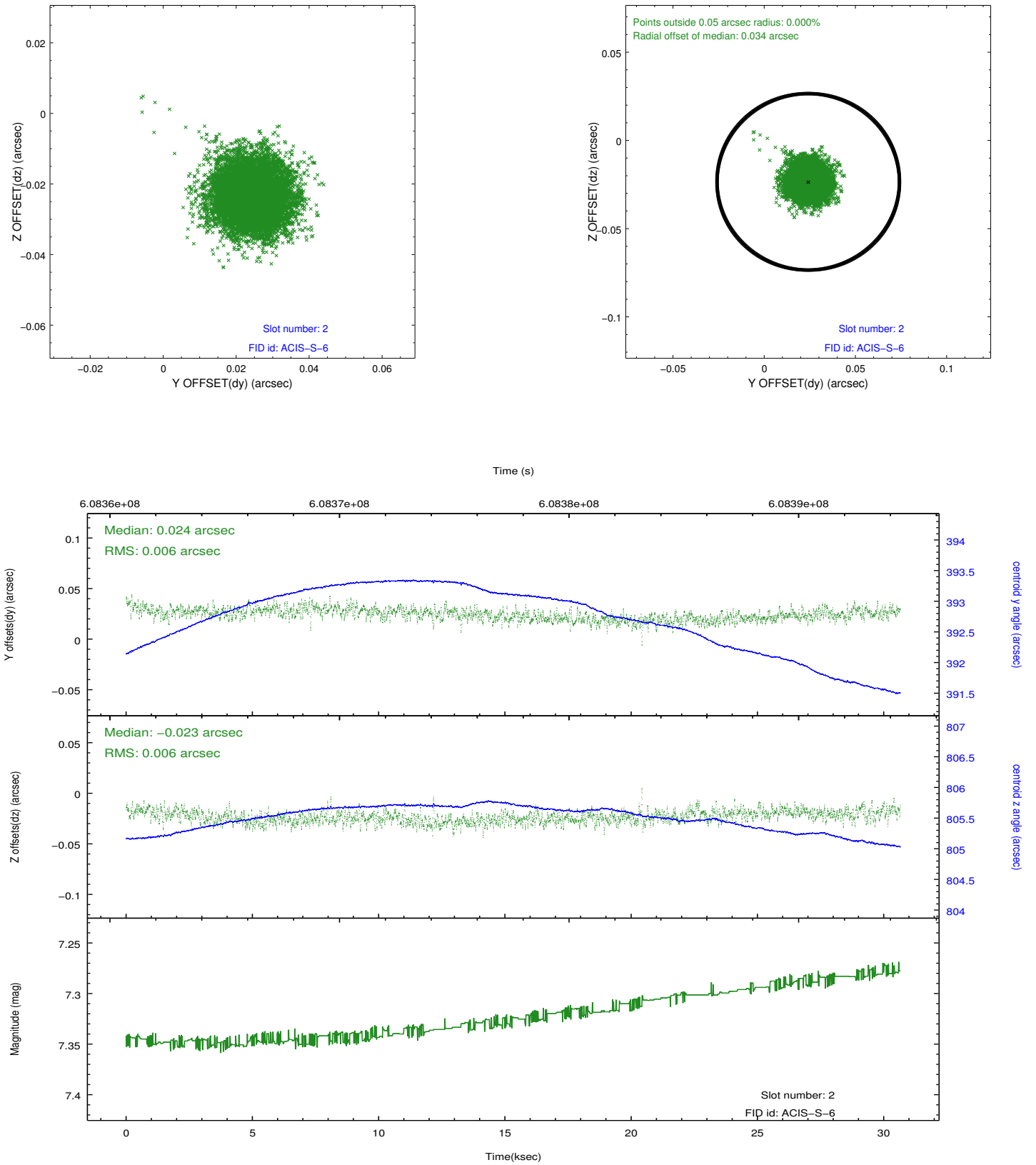
2.5.1 Slot 0



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)	2017.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.355191935062

A.2 Comments