Apache Point Report: IAG Kobe August 2017

David Crossley (Saint Louis U) and Tom Murphy (UCSD Physics)

Apache Point Observatory, Sacramento Peak 2788 m is the only LLR installation with a recording SG 3.5 m optical dish OSG-046 in cone room under telescope

SUNSPOT telescope / GPS PBO site 027

AP data quality has been excellent over the past year

we also upload corrected ap*12.ggp Level 2 files, and ap*00.ggs 1 sec zip files monthly



 it would have been hard to miss the 2 almost identical events in Alaska 2017-05-01, separated by only a few km on land, and 1hr 17 min in time
event 1: Mw 6.2, 10 km depth, event 2: Mw 6.3, 2.5 km depth



AP has been the only site in US contributing SG data to GGP/IGETS between 2009-2017

in NA the only other station sharing IGETS data is Cantley, Canada (which now has a record of 28 yr!) Figure shows complete series up to May 31, 2017, with tides, pressure and polar motion removed. Linked solution fits drift simultaneously to SG and AG



As result of Trieste paper (Crossley et al, 2017. More thoughts on SG-AG calibrations ... in review) the method of computing the scale factor at AP has been changed; we no longer merge set and drop values, and include a drift term Consequently a new calibration file is shown below with updated scale factors

✤ - note we also suggest adding a final comment column

We propose that IGETS finalizes a call to all stations to provide such files, to be used in subsequent processing.

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Filename		: APOSG04	6.cal						
Station		: Apache	Point, New	Mexico, U	SA				
Instrument		: GWR OSG 046							
Author		: Tom Murphy (tmurphy@physics.ucsd.edu)							
this is the	he new cal	ibration t	able for AF	, for IGE	TS Business	Meeting	Aug 2017 Kob	e	
yyyymmdd	gcal(nm/s^	2/V); err;	pcal(hPa/V); err;	time lag(s	s); err;	applied sin	ice comment	
C*************************************									
20110801	-793.28	4.08	1.000	0.001	8.160	0.010	20090401	'first AG calibration	
99999999								'change sensor	
20131120	-940.39	12.40					20130908	'new gcal	
20140910	-941.23	8.47						'new gcal	
20140910	-940.04	6.90	1.000	0.001	8.160	0.010	20130908	'merged gcal	
20160604	-946.92	11.25						'new gcal	
20170701	-942.62	5.94	1.000	0.001	8.160	0.010	20130908	'recomputed merged gca	1

999999999