



Clock Products Working Group Membership List

Membership Role	Representative	Affiliation
Current Chair	Michael Coleman	Naval Research Laboratory (US)
Previous Chair	Ken Senior	Naval Research Laboratory (US)
Analysis Center Coordinator	Michael Moore	Geoscience Australia
BIPM Representative to GB	G�rard Petit	BIPM (International)
CB Representative	Allison Craddock	IGS (International)
AC Representative – COD	Rolf Dach	AIUB (Switzerland)
AC Representative – EMR	Simon Banville	NRCan (Canada)
AC Representative – ESA	Ignacio Romero	ESA / ESOC (Germany)
AC Representative – GFZ	Pierre Sakic	GFZ (Germany)
AC Representative – GRG	Flavien Mercier	CNES (France)
AC Representative – JPL	Paul Ries	Jet Propulsion Laboratory (US)
AC Representative – MIT	Thomas Herring	Massachusetts Inst. of Technology (US)
AC Representative – NGS	Sungpil Yoon	[Contact]
AC Representative – SIO	Peng Fang	[Contact]
AC Representative – USN	Sharyl Byram	US Naval Observatory
AC Representative – WHU	Li Min	Wuhan University (China)
UTC Representative – BRUX	Pascale Defraigne	Royale Observatory of Belgium
UTC Representative – IENG	Ilaria Sesia	INRiM (Italy)
UTC Representative – TWTF	Shinn Yan Lin	Chungwa Telecommunications (Taiwan)
UTC Representative – USNO	Stephen Mitchell	US Naval Observatory
At-Large (BIPM Time Dept)	Patrizia Tavella	BIPM (International)
At-Large		
At-Large		
At-Large		
At-Large		
At-Large		



Clock Products Working Group

Analysis Center Contributions

Code	Analysis Center Location	Products		
		Final	Rapid	Ultra
COD	Center for Orbit Determination in Europe Bern, Switzerland	Sat: 5 Sec & 30 Sec Stn: 5 Min G R		
ESA	European Space Agency (ESOC) Darmstadt, Germany	Sat: 30 Sec G R Stn: 5 Min		
EMR	NRCan Ottawa, Canada	Sat: 30 Sec G Stn: 5 Min		
GRG	CENS Toulouse, France	Sat: 30 Sec G R Stn: 30 Sec / 5 Min		
GFZ	Geo Forschungs Zentrum Potsdam, Germany	Sat: 30 Sec G R Stn: 5 Min		
JPL	Jet Propulsion Laboratory Pasadena, CA USA	Sat: 30 Sec G Stn: 30 Sec		
MIT	Massachusetts Institute of Technology Cambridge, MA USA	Sat: 30 Sec G Stn: 5 Min		
NGS	National Geodetic Survey Silver Spring, MD USA			
SIO	Scripps Institute of Oceanography La Jolla, CA USA	SP3 only		
USN	US Naval Observatory Washington, DC USA			
WHU	Wuhan University Wuhan, China			

Letters in the product field indicate constellations contained in each solution. These are consistent with the indexing conventions of the Rinex and Clock Rinex formats.

B	BeiDou	E	Galileo
G	GPS	I	IRNSS
J	QZSS	R	GLONASS