For every **reference system**, specify the **datum tag** (also called frame tag), and **epoch time**.

For example for the reference frame NAD83(2011) epoch 2010.00 these are –

Reference system: NAD83

Datum/frame tag: (2011), year adjustment completed

Epoch time: 2010.00, control station position at midnight Jan 1, 2010

While not specified, the antennae calibration value is attached to each particular reference frame and distinguishes these frames as well.

Reference frame definitions

- ITRF frame (global): multi-technique (vlbi, slr, foris, gnss)

- IGS frame (global): GNSS only

- NAD83 frame (plate fixed): related to ITRF/IGS

Frame name	Epoch	Antennae PCV
ITRF2000	1997.00	Rel
ITRF2000 (NGS)	1997.00	Rel NGS
NAD83(CORS96)	2002.00	Rel NGS
NAD83(PacP00)	2002.00	Rel NGS
NAD83(MarP00)	2002.00	Rel NGS
IGS08	2005.00	Abs IGS08
IGS08 (NGS)	2005.00	Abs IGS08

NAD83(2011) □□□□□□□□□□ □□ □ □□□□□□□□□□□□□□□□□□□□□□ **2010.00**□□□□□□□□□□□□□□□□□□□□□□□ **Abs NGS**

NAD83(PA11) **2010.00**
Abs NGS

NAD83(MA11) **2010.00**
Abs NGS

* Standard Antennae Calibration Value (phase center value - PCV)

moved from Relative (Rel) to Absolute (Abs).

Source for above chart