ITRF2004

- **For 1st time, use Time Series of Station Positions :**
  - **Daily (VLBI)**
  - **Weekly (GPS, SLR & DORIS)**
- **and Earth Orientation Parameters:**

  Polar Motion (x_p, y_p)

  Universal Time (UT1) (Only from VLBI)

  Length of Day (LOD)

- **3 ITRF CC: NRCan, DGFI, IGN**
- **Useful in IERS CPP for specialized studies, products & validation**

ITRF2004: Input Data

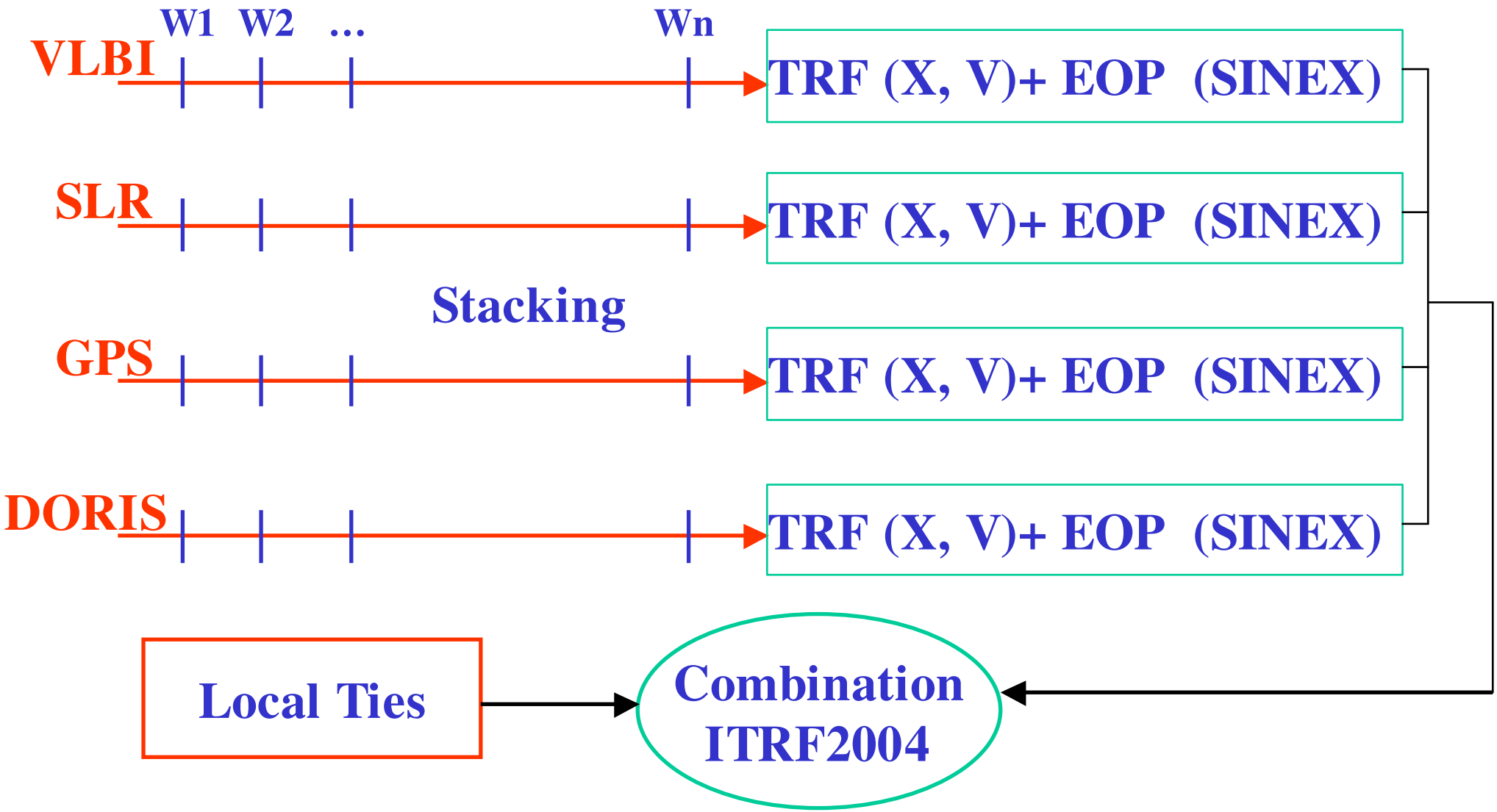
(Status April 20)

- **Combined set of Time Series per Technique:**
  - **VLBI 1984 – 2005 (First solution ready)**
  - **SLR 1993 – 2005 (Under way)**
  - **GPS 1996 - 2005 (Ready)**

- **Individual Solutions**
  - **DORIS 1993 – 2005 (3 ready, others …)**
  - **VLBI, SLR, GPS: some AC submissions**
- **No multi-technique solutions at obs. level submitted**

- **Co-location tie vectors**

ITRF2004 Derivation



ITRF2004 Derivation

- 3 preliminary solutions to be generated by the 3 ITRF CC following the same agreed strategy
  - One SINEX file (X, V & EOP's over ~10 years)
- Solutions to be available for intercomparison by ITRF PC, ITRF CC
- Identify & fix problems and possible discrepencies between CC solutions
- ITRF PC to deliver final ITRF2004 solution, target date ==> August 2005
- Set up a WG for validation

ITRF2004: Validation

- TC should play major role to
  - Test consistency with their routine products
  - Evaluate/quantify distortion
- Other contributions for validation: ?
  - EOP comparisons to IERS C04, Space2xxx
  - EOP evaluation in IERS CPP
  - Geophysical models: AAM, OAM
  - Geocenter evaluation
  - Conventions Advisory Board role ?
- ITRF2004 Validation Group