



CNES/CLS Analysis Center (LCA)

About ITRF2008P

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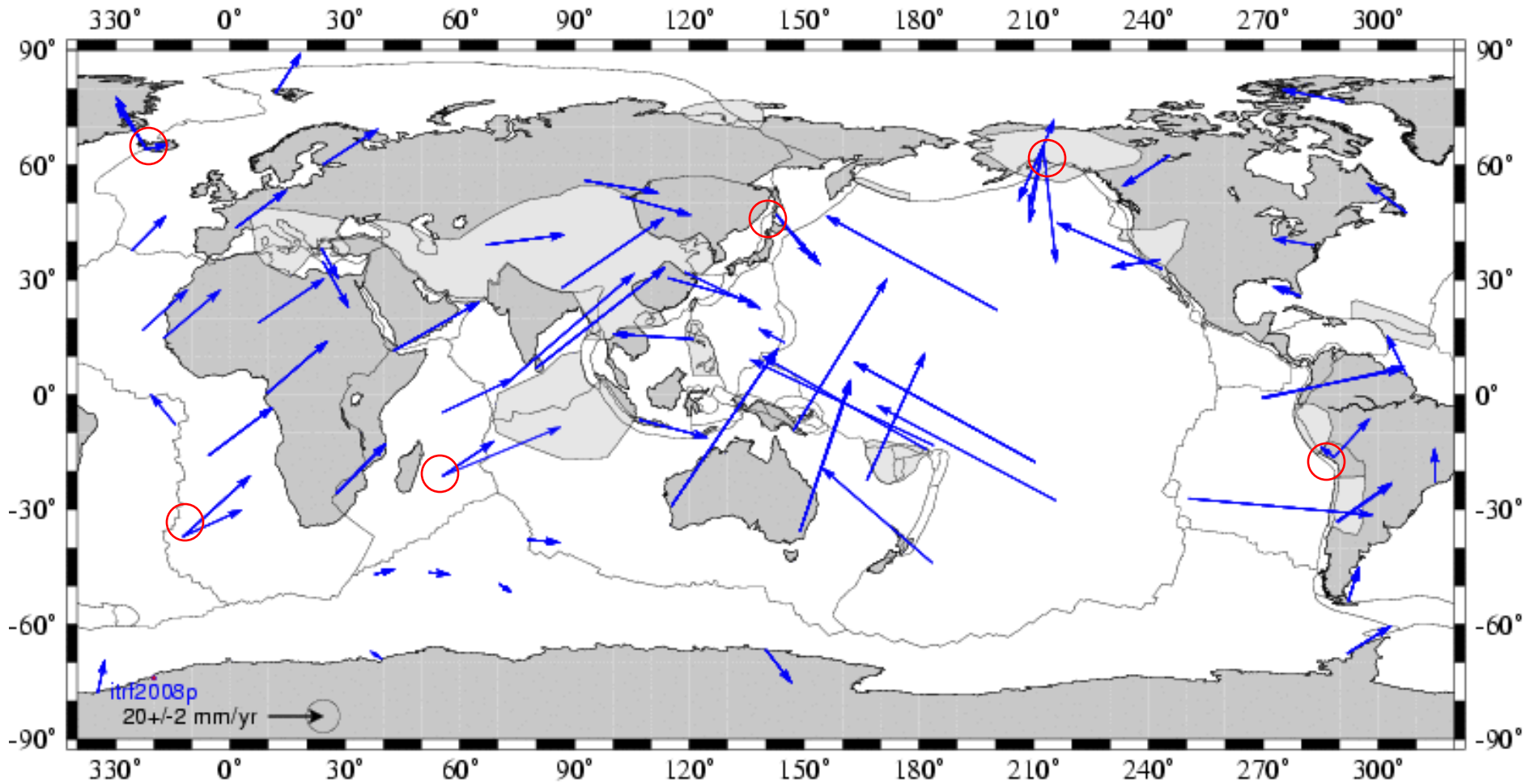
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- Operating stations not included in ITRF2008P:
RIKB, BETB, SODB
→ Need to express their DPOD2005 coordinates into ITRF2008
- A few « non permanent » stations not included in ITRF2008P
- 6 sites with more than 1 velocity:
 - Reykjavik: 3 estimations
 - Sakhalinsk: 2 estimations
 - Tristan da Cunha: 2 estimations
 - Fairbanks: 5 estimations
 - Arequipa: 2 estimations
 - La Réunion: 2 estimations

DORIS velocities: ITRF2008P



Reykjavik:

1st period. REYA/REYB1

2nd REYB2/REZB1/REZB2

3rd REZB3: earthquake on 08:150; estimation on 7 months

→ we should look carefully at this velocity as it is very different from the previous periods which were in agreement with the geological plate models.

Sakhalinsk:

1st period. SAKA1/SAKA2/SAKA3/SAKA4

2nd. SAKA5/SAKB2 (NB: SAKB1 and SAKB3 rejected)

Tristan da Cunha:

1st period. TRIA1/TRIA2/TRIB1

2nd. TRIB2: velocity discontinuity on 04:213

Fairbanks: velocity discontinuities after earthquakes

1st period. FAIA1/FAIA2/FAIB1

2nd. FAIB2 (vel. estimated over 60 d)

3rd. FAIB3 (vel. estimated over 82 d)

4th. FAIB4 (vel. estimated over < 2.5 yrs)

5th. FAIB5

Arequipa: velocity discontinuity after earthquake

1st period. AREA

2nd. AREB/ARFB

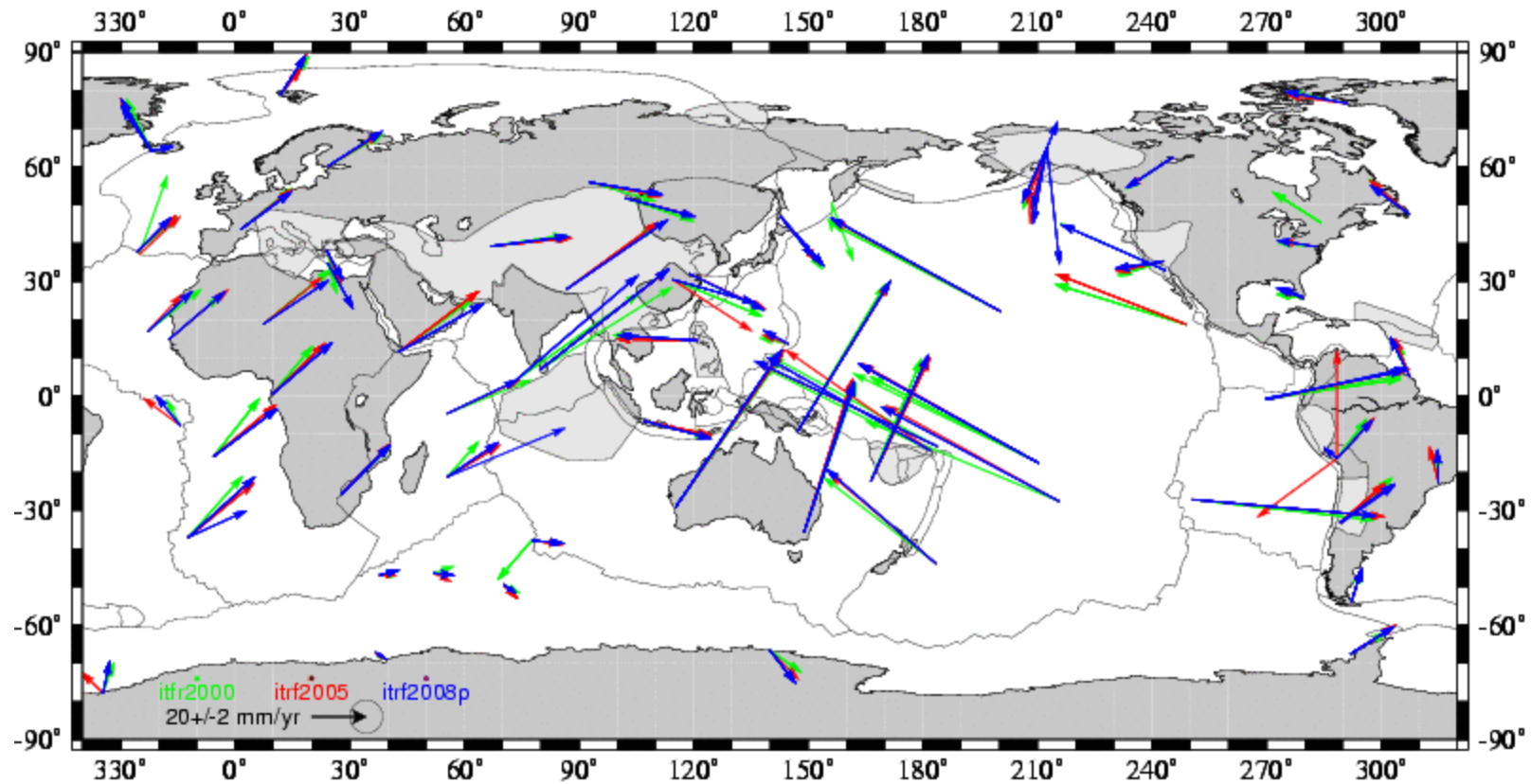
La Réunion

1st period. REUA/REUB1

2nd. REUB2

→ Zuheir will correct to have only one site velocity

DORIS velocities: ITRF2000, ITRF2005, ITRF2008P



- Wrong DOMES number for HBLB: 30301S006
Should be 30302S006 like HBKB (the reference point stayed unchanged -same antenna- but the beacon was changed *).
→ Zuheir will introduced constraints so that HBLB/HBKB will have the same velocity.

NB: HBKB/HBLB, TLIA/TLHA and KRUB/KRVB have shared the same antenna but, for these Master Beacons, different acronyms were used when the beacons were changed.

KRUB/KRVB → KRUB in ITRF2008P
TLIA/TLHA → TLHA in ITRF2008P