

# **Doris network status and future missions**

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## **DORIS/IDS NEWS**



## CURRENT NETWORK AVAILABILITY: 87% OF OPERATING STATIONS

#### RECENT NETWORK EVENTS:

- Dec 2012: new beacon model 3.2 installed at Mahé, Seychelles, allowing a longer distance between beacon and antenna (optical cables of 80m)
- Feb 2013: reconnaissance in Chatham Island, NZ with a view to re-locating (site going to be closed in July)
- April 2013: reconnaissance in Nicaragua with a view to install a new station (co-located with IGS or COCONet station)

# **DORIS/IDS NEWS**



## PLANNED NETWORK EVOLUTION:

- Goldstone, USA CA: station in place of Monument Peak (reoccupation of old DORIS site @ DSS13: awaits NASA-CNES agreement signature).
- Chatham, NZ: station re-location (current site will close in July)
- Hokkaïdo, Japan: new station in place of Sakhalinsk, co-location GNSS+VLBI
- Fr. West Indies + Nicaragua will replace Miami (DORIS 2Ghz frequency has interferences with mobile-TV relay in US)

## IDS PROJECTS:

- South Korea: under negotiation with KASI, co-location GNSS+SLR+VLBI
- Wake island (USA, Marshall Islands): under consideration but a real challenge!
- Tamanrasset, Algeria: still under negotiation with INCT
- Riyadh, Saudi Arabia: abandoned (frequency clearance default)

## **DORIS/IDS NEWS**



## • A NEW SATELLITE SINCE FEBRUARY 2013:

SARAL (French/Indian): 800km, 98.5°

February 2013 → 2018 (DGXX+LR)

**MARCH 2013** 

## FRENCH ANSWER TO GGOS:

based on the DORIS network

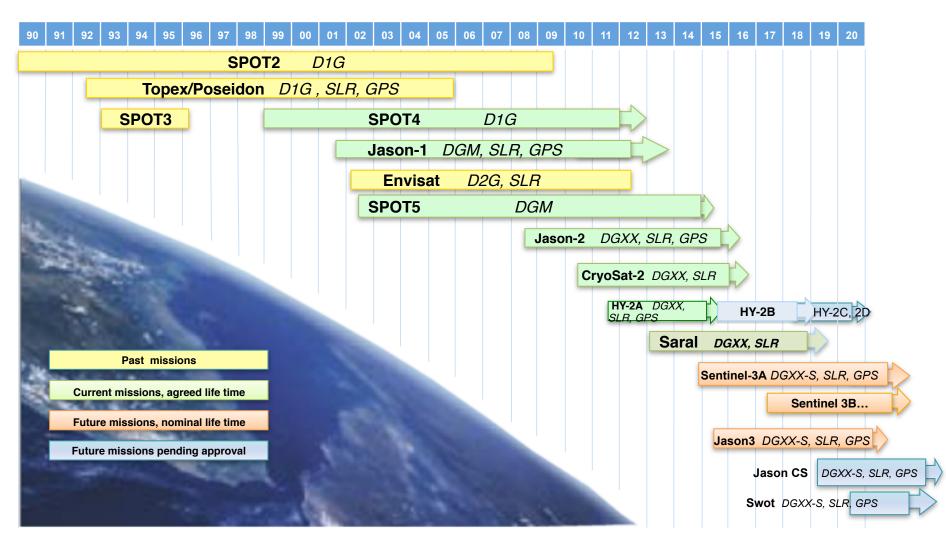
### NEW PAGE ON IDS WEB: "DORIS STATION MANAGEMENT" :

→ Gather on a page all about managing a DORIS station:

- technical characteristics specifications,
- Overall maintenance of the network, how it is done
- Constraints and installation requirements,
- Concept of Permanent beacons and beacons IDS
- Selection criteria depending on the type of beacon
- Compatibility with other systems...

See <u>http://ids-doris.org/network/station-management.html</u>

#### **DORIS CONSTELLATION:** - TODAY 7 SATELLITES CONTRIBUTE TO IDS - MORE THAN 7 FUTURE MISSIONS



DORIS