The station events file

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The file **http://lareg.ensg.ign.fr/IDS/doc/station_events.txt** centralizes under machine readable form the information on the events that occur and occured at the DORIS stations. New information types could be added if requested. It is planned to maintain the record of the consensus knowledge of the analysts about the stations problems.

The file currently includes eight different types of informations, as follows.

- **Start date of observations**   - **Warnings**
- **End date of observations**   - **Data to be deleted**

- **Breaks in station history, e.g. after an earthquake**
- **Coordinate changes between two stations in the same site.**

- **A priori coordinates when not available in ITRF2000 (e.g. new beacons)**
- **A priori velocities when not available in ITRF2000**

Comments and suggestions for improvement are welcome!

Markers, contents and formats are as follows.

**   Free comment

st   Start date of observations, taken from the SIMB DorisMails or sitelogs
nd   End date of observations, taken from the SIMB DorisMails or sitelogs
wr   Warnings taken from the SIMB DorisMails or sitelogs
         Station, DOMES#, date,'A/T', DorisMail#, comment
         Dates are given as yyyy.mm.dd., "T" if exact date, "A" if approximative

ac   A priori coordinates when not available in ITRF2000 (e.g. new beacons)
av   A priori velocities when not available in ITRF2000 (e.g. new beacons)
         Station, DOMES#, date,'A/T',DorisMail#, X,Y,Z(m), sigma(m), epoch(yrs), comment

dl   Data to be deleted (present source: P. Willis)
         Station, DOMES#, date start, date end of deletion, comment

br   Breaks in station history, e.g. after an earthquake   (present sources: J.-J. Valette, P. Willis)
         Station, DOMES#, date start of deletion, date end of deletion, comment

         Note: the "break" data are also recorded in a Sinex format:
         http://lareg.ensg.ign.fr/IDS/doc/station_breaks.sinex

cc   Coordinate changes between two stations in the same site. Source:
         ftp://ftp.cls.fr/pub/ids/stations/DORIS_int_ties_20030418.txt
         station1, DOMES#1, station2, DOMES#2, DX(m), DY(m), DZ(m), precision(m)
         Sign: DX from Point 1 to Point 2, ie. X2-X1. Precision: one sigma

Examples

Arequipa

```
wr AREB 42202S006 2002. 6.25. A 0194        Improved coordinates
wr AREB 42202S006 2002. 1.30. A 0163        AREB coordinates
st AREB 42202S006 2001.11.21. T 0146        AREB Start
cc AREB 42202S006 AREA 42202S005    -7.0610    -6.3690    2.7710        .0020
nd AREA 42202S005 2001.11.20. T 0146        AREA End
br AREA 2 42202S002 2001. 6.23.    0. 0. 0. Earthquake, 23.06.2001
```

Hartebeesthoek

```
st HBKB 30302S006 2000. 8.10. T 0103        HBKB Start
cc HBKB 30302S006 HBLA 30302S005    -11.8330    2.7620   -26.8890        .0020
nd HBLA 30302S005 2000. 8.10. T 0103        HBLA End
st HBLA 30302S005 1997. 5.30. T 0019        HBLA Start
cc HBKB 30302S006 HBKA 30302S202    -11.7900    2.5430   -26.1950        .0200
nd HBKA 30302S202 1997. 5.23. T 0019        HBKA End
```

Mount Stromlo

```
ac MSPB 50119S004 2004. 1. 7. T 0313 -4467071.034  2683028.289 -3667004.462
.010 1998.0 ITRF2000
av MSPB 50119S004 2004. 1. 7. T 0313 -0.0401  0.0032  0.0423    0. Source:
Geoscience Aus
st MSPB 50119S004 2004. 1. 7. T 0313        MSPB Start
nd MSOB 50119S002 2003. 1.18. T 0217        MSOB End (destroyed by fire)
st MSOB 50119S002 1998.10.22. T 0055        MSOB Start - Repl. ORRB
```