



DORIS at Fundamentalstation Wettzell Status Report

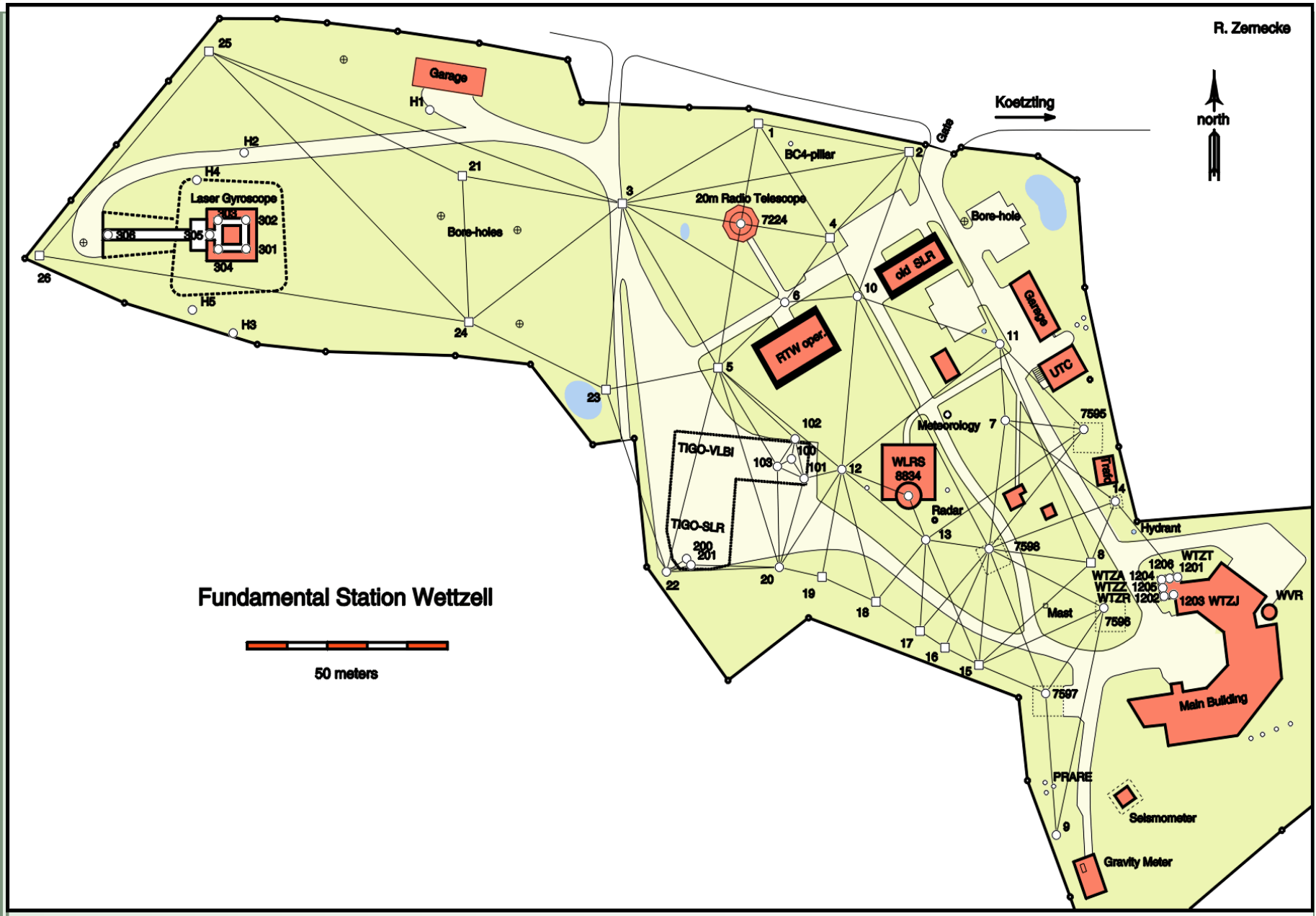
R. Dassing

Generell remarks

- DORIS operates at Wettzell since 17.5.2003
- Fundamentalstation Wettzell:
 - VLBI (IVS)
 - SLR (ILRS)
 - GPS/GLONASS (IGS)
 - DORIS (IDS)
 - Supplement Measurement Systems (i.e. Gravimetry, Seismology)

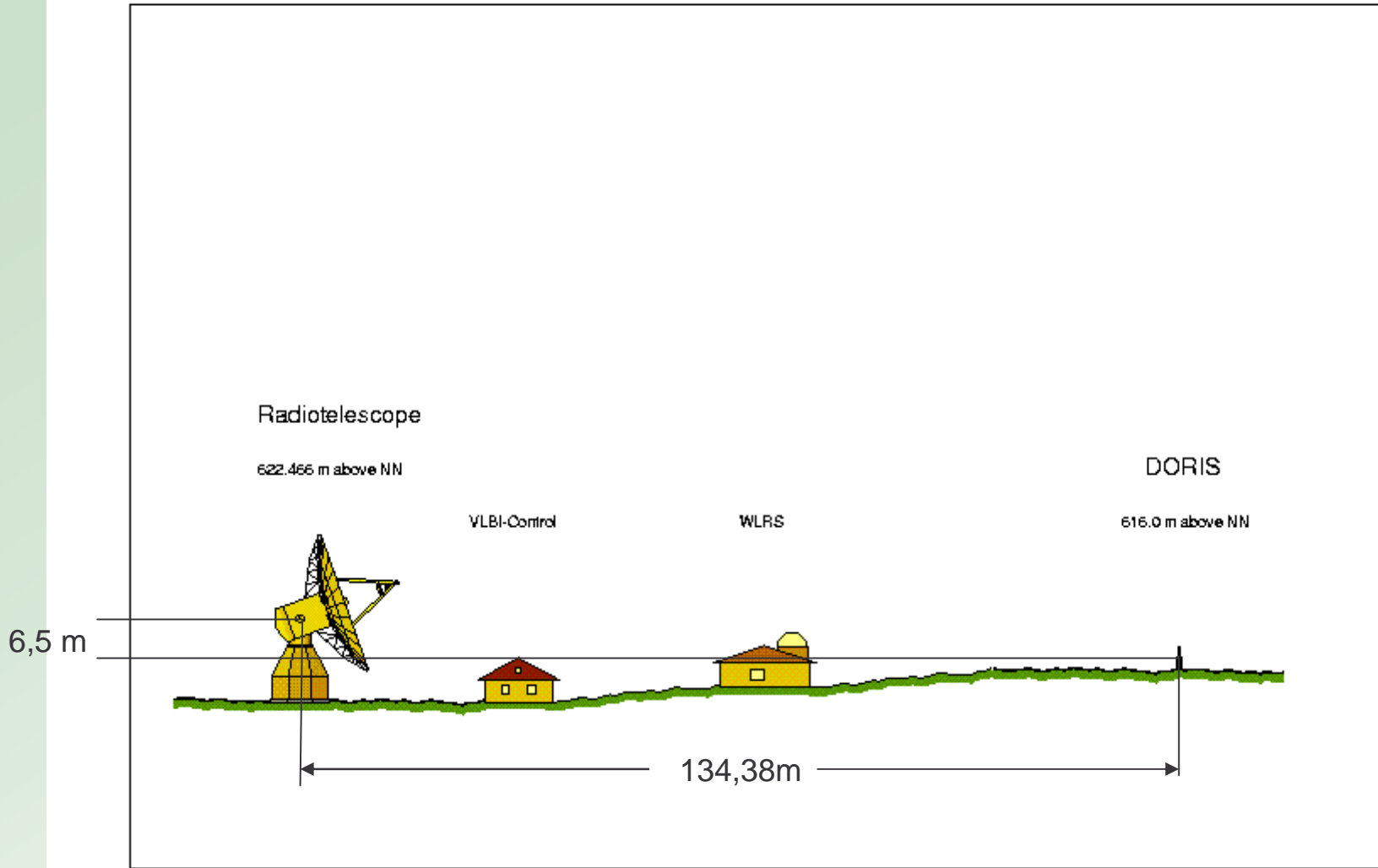


DORIS at Fundamentalstation Wettzell





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R. Zernecke

- Normal Operations of DORIS:
 - VLBI Session is running
⇒ DORIS is switched „off“
 - VLBI is not active
⇒ DORIS is activated
- „Switching on/off“ of DORIS is done manually by the VLBI operator

DORIS influences VLBI at Wettzell

- The signal level of DORIS is too high for VLBI,
no useful measurements are possible
- Preliminary results:
 - Good weather, no clouds
 - ⇒ signal of DORIS can be seen: higher noise level,
 - ⇒ loss of data,
 - ⇒ data quality significantly decreased
 - Bad weather (many clouds)
 - ⇒ VLBI measurements are *not* possible

- Investigations:
 - In 2004 IVS plans observations between Wettzell and Kokee Park in VLBI with/without DORIS
- General remarks:
 - S-Band is *a* problem due to
 - industrial applications and
 - GSM (handys)
 - IVS is preparing a VISION2010 program:
VLBI will probably switch to another radio frequency