

Table 1. Geographic and geomagnetic AACGM coordinates of the FPI facility related to the KEOPS site in Kiruna (see text).

FPI Site	Geographic coordinates	AACGM geomagnetic coordinates for 15 Dec 2002 at an altitude of 240 km	Time shift in hours to determine UT of magnetic midnight
Kiruna (KEOPS)	67.87° N, 21.03° E	65.08° N, 103.32° E	-1.86
Kiruna (KEOPS) east	67.87° N, 26.6° E	64.8° N, 107.8° E	-2.16
Kiruna (KEOPS) west	67.87° N, 15.5° E	65.4° N, 98.9° E	-1.57

Table 2. The same as in Table 1, but for the FPI site in Longyearbyen. The observatory's historic names are given in parentheses.

FPI Site	Geographic coordinates	AACGM geomagnetic coordinates for 15 Dec 2002 at a altitude of 240 km	Time shift in hours to determine UT of magnetic midnight
Longyearbyen (KHO after 2006)	78.15° N, 16.04° E	75.38° N, 111.80° E	-2.43
Longyearbyen east (KHO after 2006)	78.15° N, 33.6° E	74.4° N, 123.6° E	-3.21
Longyearbyen west (KHO after 2006)	78.15° N, 1.5° E	76.8° N, 100.3° E	-1.66
Longyearbyen (Adventdalen before 2006)	78.19° N, 15.92° E	75.43° N, 111.80° E	-2.43
Longyearbyen east (Adventdalen before 2006)	78.19° N, 33.5° E	74.4° N, 123.6° E	-3.21
Longyearbyen west (Adventdalen before 2006)	78.19° N, 1.7° E	76.9° N, 100.3° E	-1.66