ALHA 77250, 4

July 7, 1985 from Ant. Met. Working Group via S.I.

2.6 gram

Pol. section ✓ (there is a list of them at NMNH)

Thick section 77250,5 ← on loan.

A few schorl basalt veins along these veins a terrestrial corrosion attack is going on. total P.
moderate

MICRO. large 1-3 mm ∅ grains. often Neumann bands. ≤ 20 % approx. recrystallisations; these new grains (smaller 0,1-0,3 mm) also have Neumann bands! (two shocks events with an intervening XXX-event!).

ALHA 77283.5

from And. Mus. W. Goug. NMNH SI.

3.5 gram.

Thick Section 77283,4 ← on loan

large schreibersites 2 × 15 mm ! and smaller veins, very high bulk P.

MICRO: big α- grains ≳ 1 mm, lathlike taenite (some duplex) low Ni

BW ≃ 1.8 mm

Some Neumann bands developed

Some incipient "flame" / "finger" recrystallization in α. Rhabdites

Severely deformed (shattered) schreibersite, with plastic deformation of

surrounding α. Some terrestrial corrosion along schreibersite

POS. I A

ALHA 77290,[redacted]3

July 7, 1980 ← Ant. Met. Working Group

2.0 gram from NMNH (SI)

Thick section 77290,4 on loan.

one schreibersite vein + small irregular schreibersites low Ni? P

MICRO. Very large grained ≥ 5 mm α. IIAB

filled with Rhabdites and Neumann bands (pos II)

Polycrystalline. A few taenite ribbons. (Some) oxides/silicates.
a few

Terrestrial corrosion along cracks.

A very few incipient recrystallization evidences (tiny α grains without Neumann bands.

Allan Nunatak #2 IN928

Found in antarctic

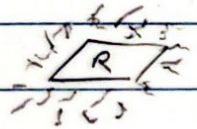
IAB N_i - 7.4%

Kamacite contains some recrystallized grains - very coarse >2-3mm

Neumann bands, heavily decorated

Numerous rhabdites and schreibersite ppts.

Kamacite surrounding rhabdites and schreibersite frosted (crazed)



Rhabdites on one side of specimen are distorted.

No oxidation on sample.

INAA (1) 26 V 77 (2) 10 II 78

RNAA (1) 20 IV 78

Degenerated plessite fields, very little Widmanstätten pattern

Cloudy taenite appears to have spheroidized

Allan Hills 81013, 1

Our original card, if it existed, has been misplaced

Clarke (1984) cubic shape suggests fragmentation in flight. Single crystal kamacite. Daubreelite inclusions He suggest it differs from A78100, but our data and new observations by Buchwald show ils the same.