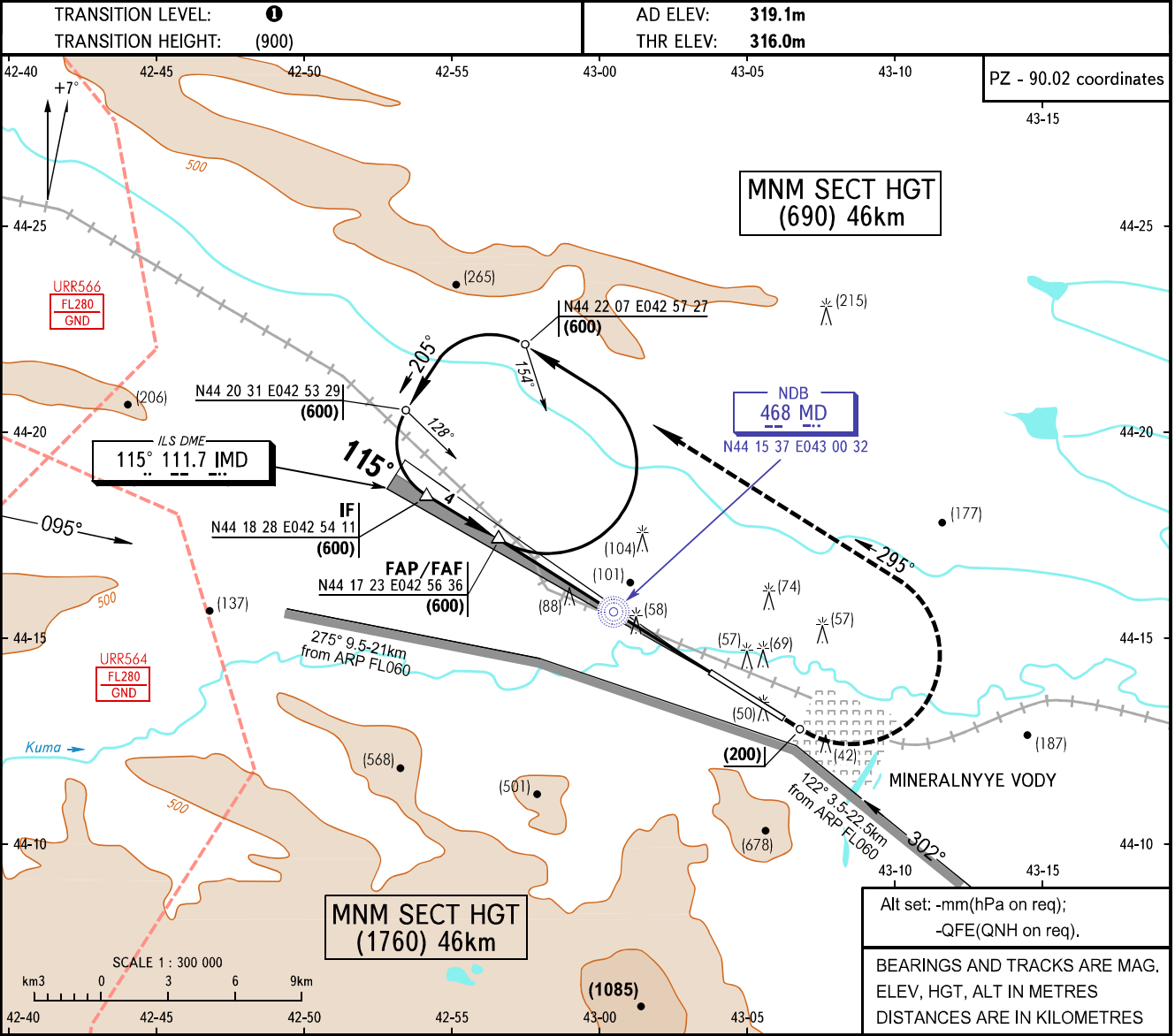


INSTRUMENT  
APPROACH  
CHART - ICAO

APPROACH119.3  
KRUG120.7  
START128.0

MINERALNYYE VODY, RUSSIA  
MINERALNYYE VODY  
ILS DME, ILS (GP out) NDB, NDB RWY 12



FAP is fixed by TAR  
13.2km from ARP.

MD

MISSED APPROACH  
Climb on track 115° to (200), then  
turn LEFT on track 295° climbing to  
(600), then by ATS unit instruction.

OCA/H		A	B	C	D	<div>1 TRANSITION LEVEL: - FL060 when atmospheric pressure is 704mm mercury column or above; - FL070 when atmospheric pressure is less than 704mm mercury column.</div>					
Straight-in Approach	CAT II	332(16)	335(19)	339(23)	343(27)						
	CAT I	360(44)	363(47)	366(50)	371(55)						
	ILS (GP out) NDB	449(133)	449(133)	449(133)	449(133)						
	NDB, NDB WO FAF	882(566)	882(566)	882(566)	882(566)						
GROUND SPEED		km/h	120	150	180	210	240	270	300	330	360
FAP - THR 11200m		min:sec	5.36	4.29	3.44	3.12	2.48	2.29	2.14	2.02	1.52
RATE OF DESCENT (Grad 5.2%)		m/s	1.7	2.2	2.6	3.1	3.5	3.9	4.4	4.8	5.2