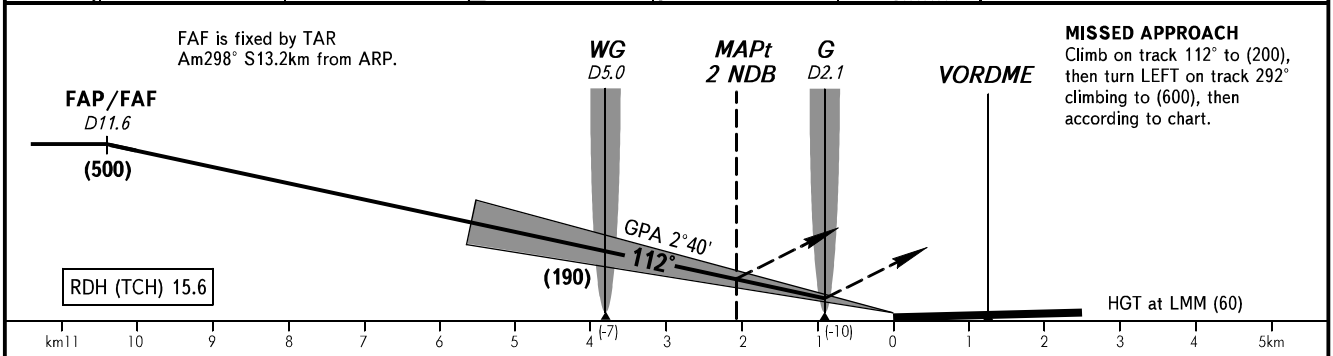
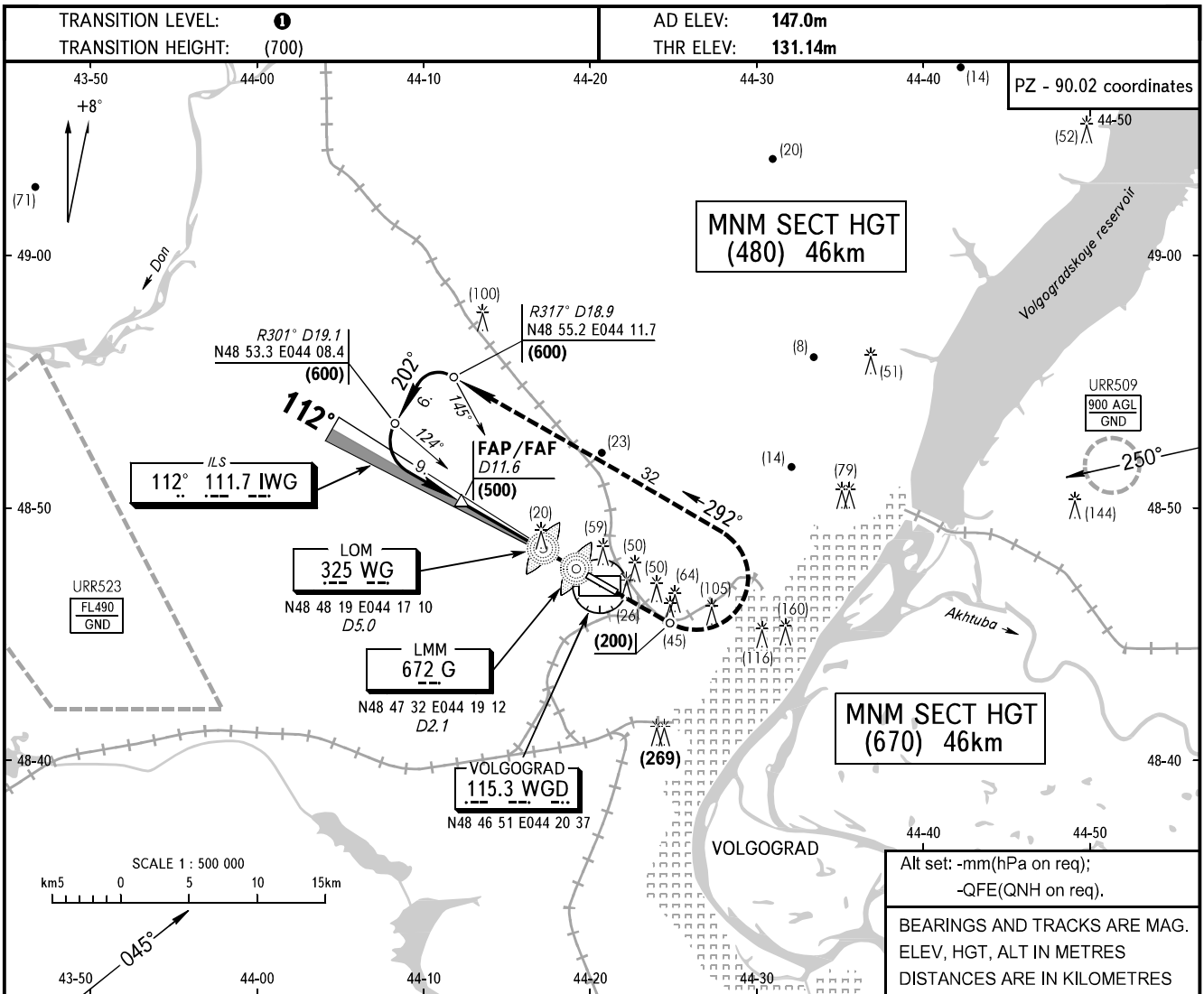


**INSTRUMENT  
APPROACH  
CHART - ICAO**

KRUG **122.0**  
TOWER **128.0**

**VOLGOGRAD, RUSSIA**  
GUMRAK  
ILS, 2 NDB RWY 11



OCA/H		A	B	C	D
Straight-in	ILS	174(43)	177(46)	180(49)	184(53)
	2 NDB	243(112)	243(112)	243(112)	243(112)
Approach	ILS	174(43)	177(46)	180(49)	184(53)
	2 NDB	243(112)	243(112)	243(112)	243(112)

**TRANSITION LEVEL:**  
- FL040 when atmospheric pressure is 747mm mercury column or above;  
- FL050 when atmospheric pressure is 747-720mm mercury column;  
- FL060 when atmospheric pressure is 720mm mercury column or less.

GROUND SPEED	km/h	150	180	210	240	270	300	330	360	390	420	450
LOM-THR 3800m	min:s	1.32	1.16	1.05	0.57	0.51	0.46	0.42	0.39	0.35	0.33	0.31
RATE OF DESCENT (Grad 4.7%)	m/s	2.0	2.4	2.7	3.1	3.1	3.1	3.9	4.6	5.0	5.4	5.8

CHANGE: New chart