

LOC/DME I-ALO 111.7 Chan 54	APP CRS 128°	Rwy Idg 8399 TDZE 873 Apt Elev 873
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ILS or LOC RWY 12
WATERLOO RGNL (ALO)

DME or RADAR required.

T For inop ALS, increase S-LOC 12 ZESOP FIX MINIMUMS Cats C/D
A visibility to RVR 5500.
 #RVR 1800 authorized with the use of FD or AP or HUD to DA.

MALSR



MISSED APPROACH: Climb to 1400 then climbing left turn to 3300 on ALO VOR/DME R-096 to DEWAR INT/ALO VOR/DME 10.8 DME and hold.

ATIS 120.65	WATERLOO APP CON ★ 118.9 251.15	WATERLOO TOWER ★ 125.075 (CTAF) 0 257.8	GND CON 121.9 269.1	UNICOM 122.95
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Procedure NA for arrival
on MCW VOR/DME
airway radials 075 CW 100.

Procedure NA for arrival
on ALO VOR/DME airway
radials 267 CW 347.

ALTERNATE MISSED
APCH FIX

LYERS
CID 36.9

WATERLOO
2.2 ALO 
Chan 59

LOCALIZER 111.7
I-ALO
Chan 54

3400 to EYUCE -
308° (13.1)

96-
DEWAR
ALO 10.8
R-332
Char 114.1

Use **I-ALO DME** when on **localizer** course.

One Minute Holding Pattern

5000
3400

←308°
128°→

GS 3.00°
TCH 55

EYUCE I-ALO 14 RADAR

CULCA I-ALO 7.6 RADAR

2800

2800

*1420°

ZESOP I-ALO 3.3

*I-ALO 2.7

*I-ALO 1.7

*I-ALO R-096

*LOC only

6.4 NM

4.3 NM

0.6 NM

1 NM

CATEGORY	A	B	C	D
S-ILS 12 #	1073/24 200 (200-½)			
S-LOC 12	1420/24 547 (600-½)		1420/60 547 (600-¼)	
CIRCLING	1420-1 547 (600-1)		1480-1¾ 607 (700-1¾)	1600-2¼ 727 (800-2¼)
ZESOP FIX MINIMUMS (DME REQUIRED)				
S-LOC 12	1240/24 367 (400-½)		1240/35 367 (400-⅝)	
CIRCLING	1360-1 487 (500-1)	1400-1 527 (600-1)	1480-1¾ 607 (700-1¾)	1600-2¼ 727 (800-2¼)

ELEV 873 **D** TDZE 873

128° 5.9 NM from FAF

81°

90°

8399 X 150

923

4003 X 150

36°

TWR 977

HIRL Rwy 12-30 **L**
MIRL Rwy 18-36 **L**
REIL Rwy 18 and 36

FAF to MAP 5.9 NM

Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58