

**LANGKAWI NATIONAL OBSERVATORY**

YEAR: 2013 MONTH: 12 DATE: 13

HOURS: 01 (UT) MINUTES: 33

WEATHER : CLOUDY

SEEING : 2/5

SCINTILATION : 2/5

IMAGE : 2/5

P : +11.01

Bo : -0.66

Lo : 79.71

$\Delta L$  : -0.85

L : 78.86

JD : 245 6639.5

SPOI	G	F	R
NORTH	4	31	71.00
SOUTH	3	38	68.00
TOTAL	7	69	139.00

NOTES : D:\LNO Sunspot Report\2013\20131213

OBSERVER : FARAHANA KAMARUDIN (OBSERVER)  
FARAHANA KAMARUDIN (SKETCH ANALYSIS)

