

GHA Estimates		
GMT		GHA
00 Z	~	180°
01 Z	~	195°
02 Z	~	210°
03 Z	~	225°
04 Z	~	240°
05 Z	~	255°
06 Z	~	270°
07 Z	~	285°
08 Z	~	300°
09 Z	~	315°
10 Z	~	330°
11 Z	~	345°
12 Z	~	000°
13 Z	~	015°
14 Z	~	030°
15 Z	~	045°
16 Z	~	060°
17 Z	~	075°
18 Z	~	090°
19 Z	~	105°
20 Z	~	120°
21 Z	~	135°
22 Z	~	150°
23 Z	~	165°

Dec. Estimates		
Date		Dec.
January-21	~	S 20°
February-21	~	S 11°
March-21	~	0°
April-21	~	N 12°
May-21	~	N 20°
June-21	~	N 23°
July-21	~	N 20°
August-21	~	N 12°
September-21	~	0°
October-21	~	S 11°
November-21	~	S 20°
December-21	~	S 23°