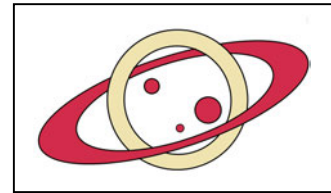


DASH Astro



DASH Astro Dark Sky Survey – Eastbridge, Suffolk. 7th September 2021

Following a request from Mr S. Morphey of the Eastbridge and Theberton Parish council, to survey the night skies in the Eastbridge/Theberton area, I met with Mr Morphey on the 7th September 2021 at The Eels Foot PH Car Park.

During the my time in Eastbridge, we surveyed 3 sites. The Eels Foot PH car park, the Eastbridge Playing Field, and a field to the east of the Leiston Road, just past Eastbridge Farm, on the way south out of the village.

All 3 sites had good “Milky Way” visible dark skies with SQM (Sky Quality Meter) readings of around 21.10. (4.5 on the Bortle Scale).

With regards to suitability for night time astronomy viewing, I will make the following comments.

East Bridge Playing Field: This is a good open site with reasonable horizons. The limiting factor on numbers viewing, would be lack of car parking along the grass verge. It would also have some limitations to disabled/wheelchair users, with the lack of foot paths.

Eels Foot P.H. Car park, Eastbridge: This is a good open site with good accessibility for both able bodied and handicapped astronomers. A large expanse of grass area has some low trees which obscure the eastern horizon to a small degree. To make it suitable for Astronomy the Publican would need to allow the car park bollard lamps to be covered with “Red Film Shades” to stop stray light. These can be removed during normal evenings. The toilet block window again would need to be shielded, which could be achieved by putting a board in front just to stop the light spilling onto the carpark, but allowing daylight in. These couple of simple improvement when astronomers are on site make this the best option.


Needless to say, it would be in the Publicans interest to do this, which could entice atronomers to stay in the caravan/camping area, while affording other activities close by during the day.

The Eastbridge Farm field, to the east of the Leiston Road, just outside the village, is equally as dark as the first 2 sites, but would be unsuitable for anything other than a transient astronomer, (with the land owners permission). The land dose, however, contribute to the darkness of the whole of the area, and is a good asset to the village.

Jim Slight

DASH Astro Secretary.

08-09-2021



Sky Quality Meter Readings.

Survey Location	Eastbridge Farm Field, [REDACTED]
Name of Surveyor	Jim Slight (DASH Secretary)
Date	7 th September 2021
Time	21:30 BST. (New Moon)
Long/Lat	52:14:04 N 1:35:36 E
O.S. Grid Ref	TM 453 657
Cloud Cover	No Cloud

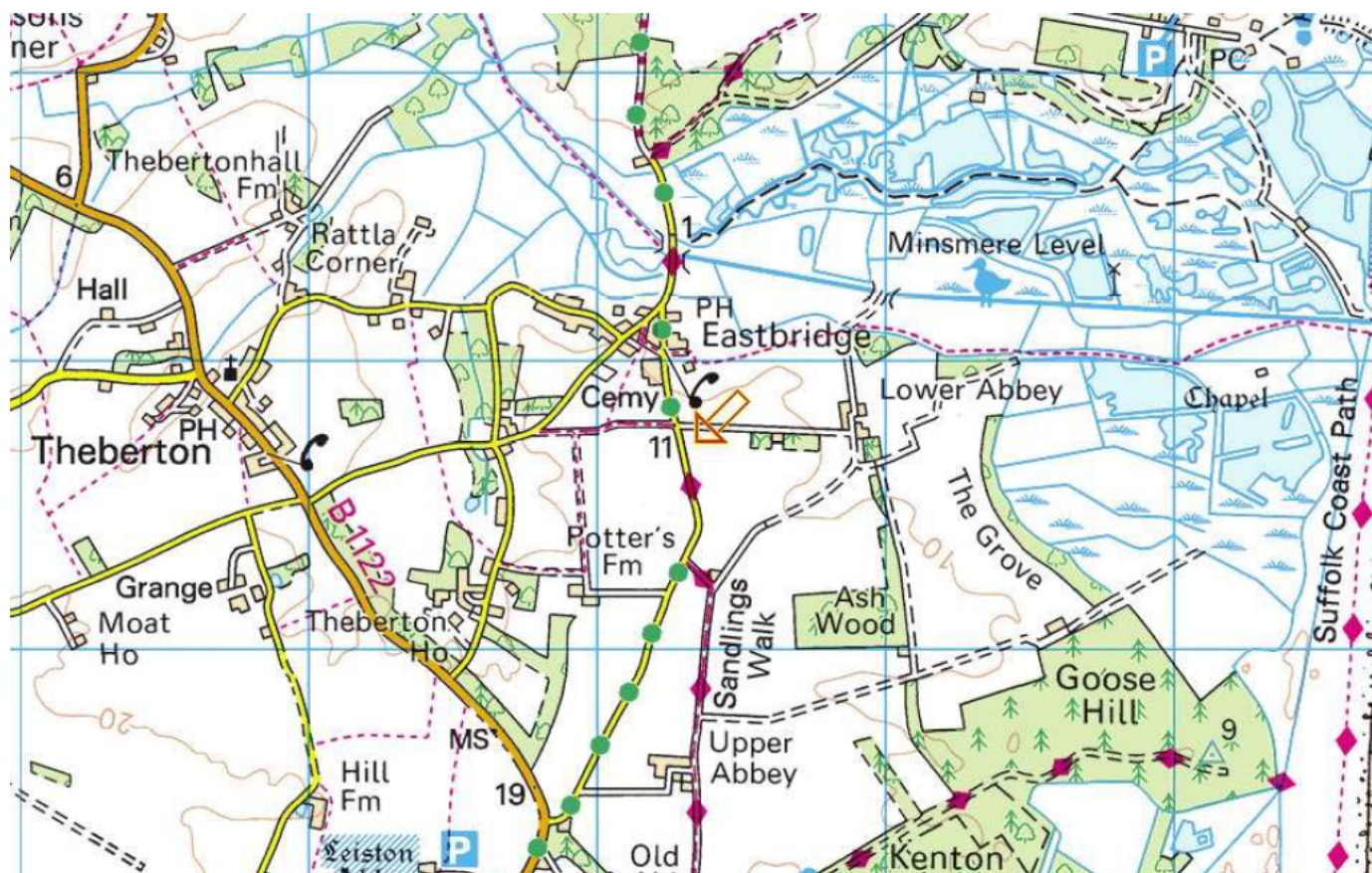
Readings	
1	21.10
2	21.14
3	21.09
4	21.14
5	21.11
6	21.11
7	21.09
8	21.11
Average	21.11

Signed By

Additional info...


Sunset : 19:26 BST
Astro Dark : 21:30 BST
Moon Set : 20:06 BST
Moon Phase / Illumination : 0.5%

SQ Meter – Unihedron
Modle - _2.19
Serial No. – 056d



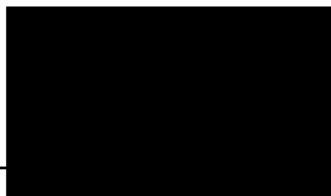
OS X (Easting)	645334
OS Y (Northing)	265710
Nat Grid	TM453657 / TM4533465710
Nearest Post Code	IP16 4SP
Lat (OSGB36)	N52:14:04 (52.23442039039234)
Long (OSGB36)	E1:35:36 (1.5933771631944014)
Lat,Long (OSGB36)	52.23442039039234,1.593377163194401
Lat (WGS84)	N52:14:06 (52.234875581973945)
Long (WGS84)	E1:35:30 (1.591542178978932)
Lat,Long (WGS84)	52.234875581973945,1.59154217897893
what3words	thudding.stores.pest
Open Loc/Plus code	9F436HMR+XJ3

Sky Quality Meter Readings.

Survey Location	Eastbridge Playing Field, 
Name of Surveyor	Jim Slight (DASH Secretary)
Date	7 th September 2021
Time	21:30 BST. (New Moon)
Long/Lat	52:14:13 N 1:35:21 E
O.S. Grid Ref	TM 450 659
Cloud Cover	No Cloud

Readings	
1	21.19
2	21.15
3	21.12
4	21.04
5	21.10
6	21.09
7	21.02
8	21.07
Average	21.10

Signed By



Additional info...

Sunset : 19:26 BST

Astro Dark : 21:30 BST

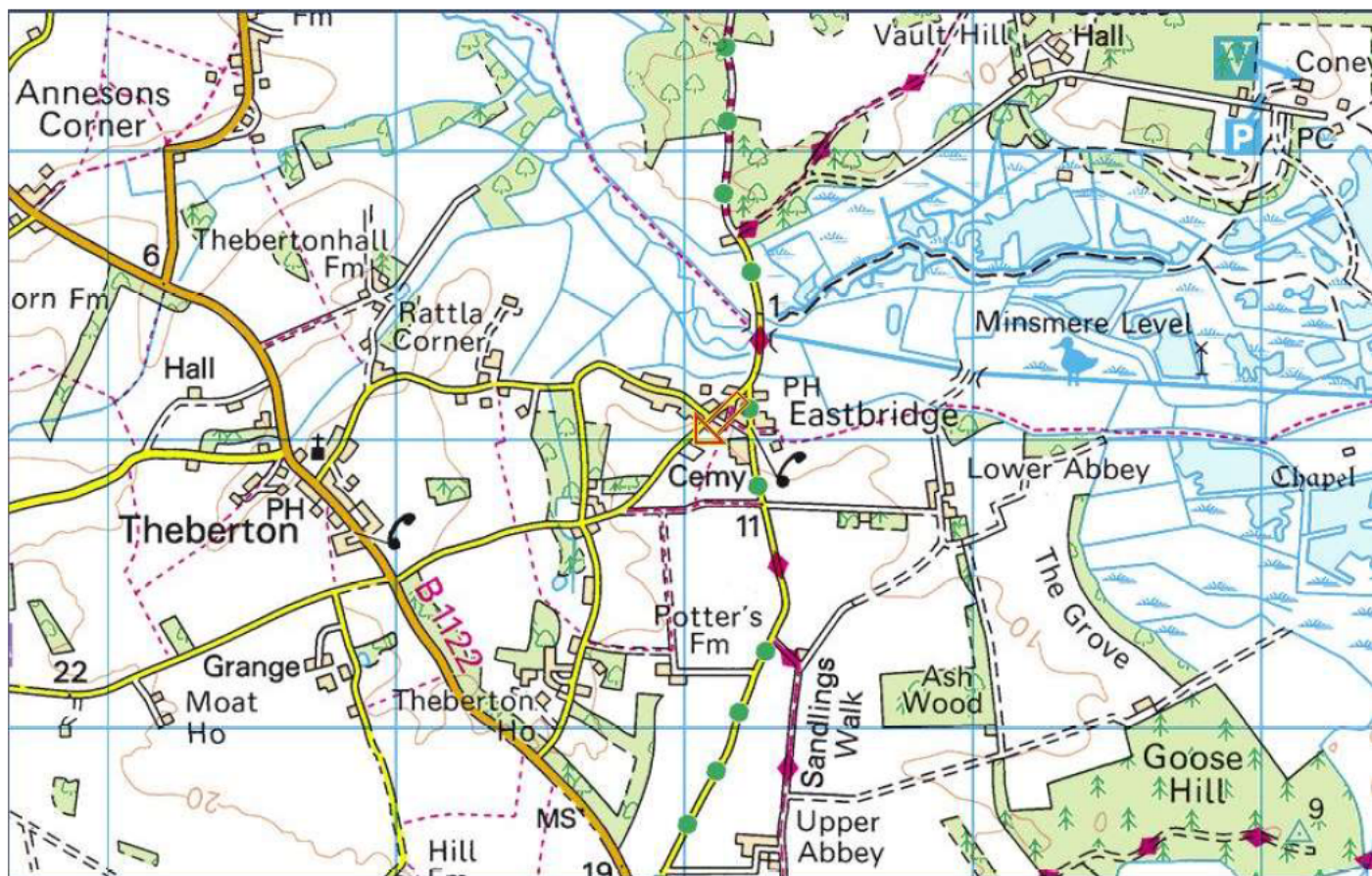
Moon Set : 20:06 BST

Moon Phase / Illumination : 0.5%

SQ Meter – Unihedron

Modle - _2.19

Serial No. – 056d



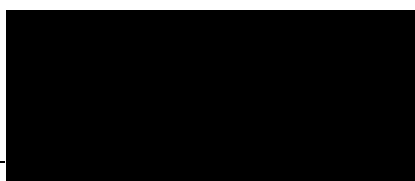
OS X (Eastings)	645032
OS Y (Northings)	265980
Nat Grid	TM450659 / TM4503265980
Nearest Post Code	IP16 4SJ
Lat (OSGB36)	N52:14:13 (52.23697774902882)
Long (OSGB36)	E1:35:21 (1.5891589693682082)
Lat,Long (OSGB36)	52.23697774902882,1.589158969368208
Lat (WGS84)	N52:14:15 (52.2374325690519)
Long (WGS84)	E1:35:14 (1.587324347885708)
Lat,Long (WGS84)	52.2374325690519,1.587324347885708
what3words	sushi.hairstyle.fashion
Open Loc/Plus code	9F436HPP+XWG

Sky Quality Meter Readings.

Survey Location	Eels Foot P H Eastbridge Suffolk
Name of Surveyor	Jim Slight (DASH Secretary)
Date	7 th September 2021
Time	21:30 BST. (New Moon)
Long/Lat	52:14:20 N 1:35:28 E
O.S. Grid Ref	TM 452 661
Cloud Cover	No Cloud

Readings	
1	21.11
2	21.10
3	21.09
4	21.11
5	21.10
6	21.13
7	21.10
8	21.06
Average	21.10

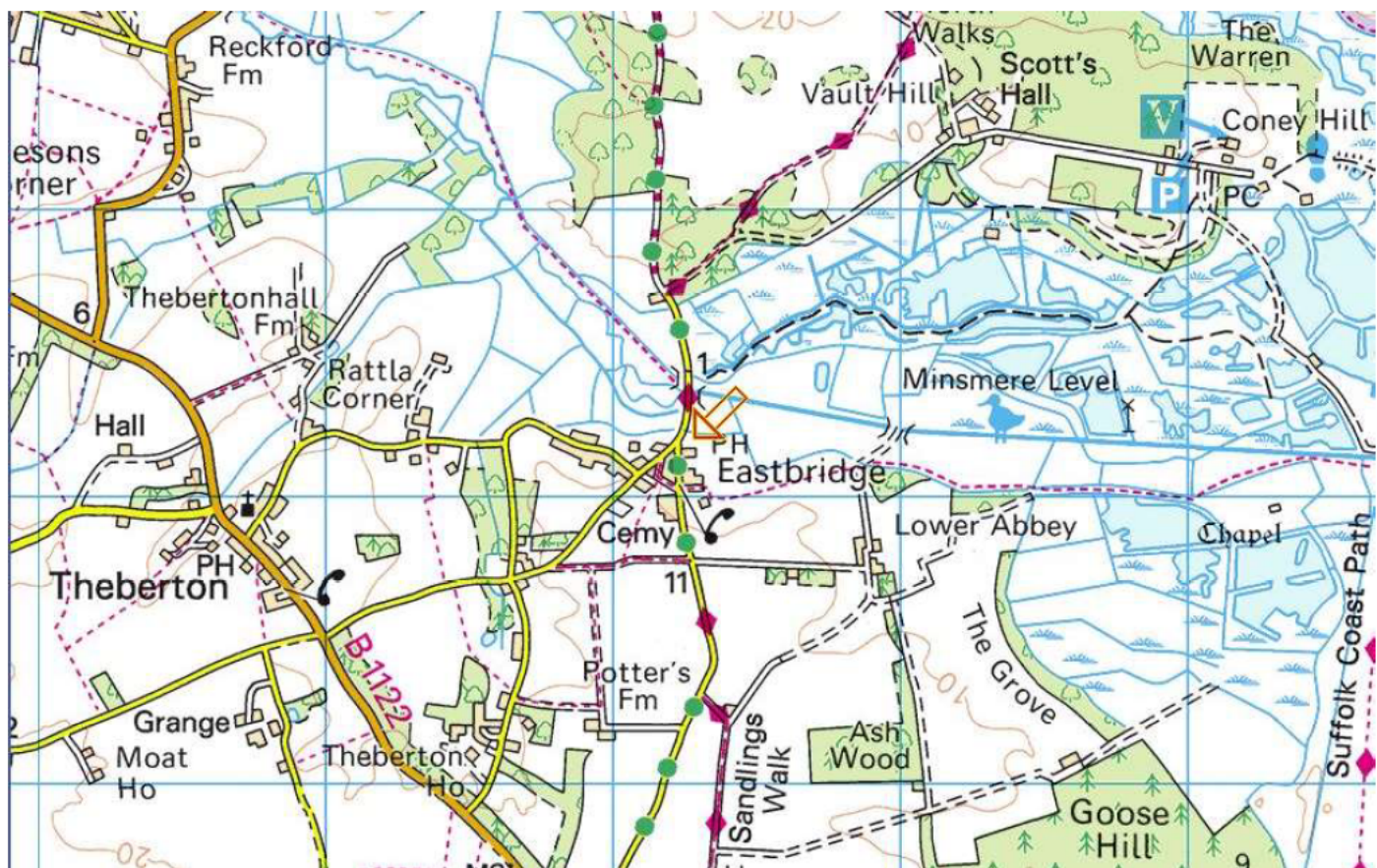
Signed By



Additional info...

Sunset : 19:26 BST
Astro Dark : 21:30 BST
Moon Set : 20:06 BST
Moon Phase / Illumination : 0.5%

SQ Meter – Unihedron
Modle - _2.19
Serial No. – 056d



OS X (Eastings)	645277
OS Y (Northings)	266195
Nat Grid	TM452661 / TM4527766195
Nearest Post Code	IP16 4SL
Lat (OSGB36)	N52:14:20 (52.23879802016876)
Long (OSGB36)	E1:35:34 (1.5928959478027118)
Lat,Long (OSGB36)	52.23879802016876,1.592895947802711
Lat (WGS84)	N52:14:21 (52.239252695741236)
Long (WGS84)	E1:35:28 (1.5910608119018441)
Lat,Long (WGS84)	52.239252695741236,1.59106081190184
what3words	scratches.later.slouched
Open Loc/Plus code	9F436HQR+PC3