

Task Setting & Tasks from Nympsfield

BGGC Notes are articles produced by experienced Club instructors and pundits. The articles provide topical and informed views on a particular feature of the flying at Nympsfield. They are not intended as substitutes for formal training or detailed instructor briefings.

Basic Rules of UK Task Setting

If there are any approaching or receding fronts forecast they must be avoided, otherwise wind is the crucial factor. Without fronts, on a soarable day most of the country starts soarable. Sea air then comes in during the day and the soarable country gets progressively smaller. If there are no hills to stop it, sea air arrives very quickly. The following areas become unsoarable after a few hours: -

- South Westerly to Southerly winds - the Severn Valley & the West Country.
- North Westerly winds – Cheshire and as far as Shrewsbury (Ironbridge is normally OK).
- Easterly or North Easterly - East Anglia and Lincolnshire especially down wind of the Wash, extending to everywhere East of the M1, (including Hus Bos).
- West or North wind component - the Bridgewater flats
- Devon and Cornwall in any wind except a North Easterly

Sea air also makes slow progress **into** wind. A proper soarable “Sea Breeze Front” may be generated on good thermal days when the sea air is going up wind. The Sea Breeze Front gets to Lasham at about 6 o’clock when there is a 10-knot northerly, but very rarely gets to Nympsfield, as we don’t have a proper coast. We just get unsoarable sea air in South Westerlies. The hotter and more stable it is the worse it gets.

The above all assumes summer with the sea much colder than the land. In April thermals may form happily on the coast all day. If it is very unstable the coastal effects will be much reduced but the chance of showers or thunderstorms is much greater.

The more land the air has gone over the hotter it gets, the higher the cloud base and the stronger the thermals. Unless thunderstorms are forecast always go as far down wind as sensible.

Typical Task Setting Logic

A reasonable day is forecast with a 10 o’clock start to thermals, 4000 foot base (10°C difference between day and night temps x 400 = 4000) 10 knot NW wind going West as the first cirrus of the next warm front comes in after 5 o’clock.

First launch at 10.30 means that the slowest people should be off by 12, they are pretty inexperienced pilots so will probably do 60 KpH for the 5 hours available. 300 Km is just on but if the start is delayed (common) or the cirrus looks as though it may be early (rare) the task should be reduced.

Pundits will do 85 KpH for 6 hours so should just do 500 but you can’t set that or most people will land out. Basingstoke Northants keeps the task well inland away from any coastal effects. The return is down the well-drained, dry Cotswolds, which remain soarable late with sun and wind on the NW facing slopes.

Tasks from Nympsfield

100 Km as (28%)

WCB – CRD	103.0	Winchcombe rail/B4632– Cricklade church
WCB – LED	107.9	Winchcombe rail/B4632– Ledbury A438/A417

200 Km as (28%)

CHV – BAN	219.5	Chieveley M4/A34– Banbury M40 J11
SOA – LUD	217.2	Stratford-on-Avon bridge– Ludlow castle
BRU – HUN	204.1	Bruton station bridge – Hungerford station bridge
BRE – TEN	214.8	Brecon A40/A470– Tenbury Wells A4112 / river

300 Km As (28%)

BAS – NOS	310.7	Basingstoke M3 J6 – Northampton South M1 J15
SHB – ALT	309.4	Sherborne station A352 bridge – Alton Station bridge
CRY – IRO	309.3	Cray res dam west end – Ironbridge power station
WSL – BRI	312.7	Winslow rail bridge/A413 – Bridgnorth River/A458

300 Km As (Not 28%) (OK for diamonds but not records)

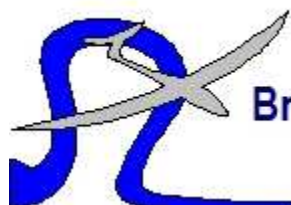
CHV – HUS	301.3	Chieveley M4/A34 – Hus Bos hangars
LUT – BED	303.4	Lutterworth M1 J20– Bedford bridge
ALT – WOC	309.5	Alton station bridge – Worcester racecourse G'stand
CRY – EDG	312.0	Cray reservoir West end – Edgehill airfield
ABE – OSW	307.4	Abergavenny A40/A465/A4042 – Oswestry A495/rail bridge
IRO – MEM	302.7	Ironbridge power station – Membury M4 Services

400 Km As (28%)

GIL – WOM – WOC	401.5	Gillingham Stn – Woburn M1 J13/A5140 – Worcester racecourse
ROS – HUS – ALT	405.8	Ross-on-Wye A40/A49/A449 – Hus Bos – Alton station bridge
HAD – ALT – WAT	413.7	Halesland A/F – Alton station bridge – Watford gap M1 service
OSW – MAH	412.6	Oswestry A495/Rail bridge – Market Harborough stn bridge

500 Km As (28%)

SHA – FOX – STP	509.4	Shaftesbury A30/A350 – Foxton Rail/A10 – Stourport river bridge
CRE - LIP - PEN	520	Crediton Station, Liphook (SE Alton), Pendock (SE Malvern Hills)
GAI – POT	505.3	Gainsborough – Potton mast (West of Cambridge)
HAY- COR – ALT	505.3	Hay-on-Wye B4351 bridge – Corby A427/A6116 – Alton station bridge
CRY – UTT – GOR	504.3	Cray res dam W end – Uttoxeter B5017 rail bridge – Goring rail/river br



500 Km 3TP Tasks (OK for diamonds but not records, low scoring on ladder)

GRL – CNW – OLN	515.4	Gransden Lodge – Cirencester NW – Olney Church
STN – PEW – BLY	506.7	St Neots rail/A428 – Pewsey station bridge – Bletchley E-W rail/A5
MAH – ALT – WAT	507.1	Market Harborough Stn br – Alton Stn br – Watford Gap M1 services br
ALT – STP – BAS	516.2	Alton Station bridge – Stourport river bridge – Basingstoke M3 J6
SHA – IRO – WIN	509.1	Shaftesbury A30/A350 – Ironbridge power Stn – Wincanton racecourse
OSW – MAM – IRO	516.1	Oswestry A495/rail – Malmesbury A429/B4040 – Ironbridge power Stn
YEO – LAS – IRO	504.6	Yeovil Res road crossing – Lasham clubhouse – Ironbridge power Stn
CCC – SOA – CRY	504.1	Carreg Cennen Castle – Stratford on Avon A422 br – Cray Res dam
CAS – BRY – MEM	513.0	Cambridge South rail fork – Bromyard Church – Membury M4 services Or 504 km land at Lasham after Bromyard

600 Km As (28%)

BSE – DON	611.0	Bury St Edmunds A14/rail - Doncaster A1(M)/M18
YEO – CAM – BRI	613.8	Yeovil Res causway - Cambridge North rail/road - Bridgenorth bridge

750 Km Δ (25/45)

SHB – BSE – SHE	754	Sherborne station - Bury St Edmunds A14/Rly - Sheffield M1 J35/A629
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750 Km 3 TP tasks

BSE – DEV – CAS	769	Bury St Edmunds A14/Rly - Devizes canal/A361 - Cambridge S rail fork
BSE – BRY – GRL	757	Bury St Edmunds A14/Rly – Bromyard – Gransden Lodge
MEN – KNI – NEW	757	Mendelsham mast – Knighton A488/A4113 – Newbury racecourse G/S Or after Knighton land at Parham airfield (760 Km)
GRL – NHL – BLY	756	Gransden Lodge Club House – North Hill – Bletchley Rail/A5
HAR – DON – BAS	753	Harting (SW Petersfield) – Doncaster A1(M)/M18 – Basingstoke M3 J6
PAR – WPL - ALT	754	Parham airfield – Welshpool station – Alton station

800 Km As (25/45)

SHB – GRF - PCT	817	Sherborne stn – Great Ashfield (East of BSE) - Pontefract M62 J33/A1
CWN – NWI – STK	816	Corwen A5/River Dee - Norwich rail X- Stockbridge (South of Andover)
FRW – SUT	819	Framlingham (East of Stowmarket) – Sutton Bank

1000 Km As (25/45)

CHA – MEN – NRT	1009	Chard A30/A358 W – Mendlesham mast – Northallerton station
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1000 Km 3 TP tasks

NWI – BAE – THE	1008	Norwich Rail crossing S – Bath East – Thetford A1066/A1088
DUR – ALT – LUT	1004	Durham cathedral – Alton Stn bridge – Lutterworth M1 J20/A427
YOR – ALT – TUX	1003	York Minster – Alton Stn – Tuxford power station

Straight Distances to Airfields

63.4	ENS	Enstone
68.9	EDG	Edgehill (Shenington)
65.1	PRK	The Park
102.2	BOO	Booker
102.6	CSF	Cosford
104.5	LAS	Lasham
116.9	HUS	Hus Bos
212.1	BOD	Bodmin
226.3	KIR	Kirton-in-Lindsey
223.4	CLK	Challock
250.0	TIB	Tibenham
431.0	MIL	Milfield
502.1	POR	Portmoak
597.2	ABO	Aboyne
1036		Montelimar via PAR & FOL
1026		Sisteron (1102 via PAR & FOL)

Out and returns

205.8	IRO	Ironbridge power Stn
209.5	CRC	Crick M1 Services
304.7	LLA	Llangollen east river bridge
316.2	GRL	Gransden Lodge (Cambridge)
428.3	BSE	Bury-St-Edmunds A14/Rail
508.6	HUM	Humber bridge (North)
525.0	YOR	York Minster
525.3	NWI	Norwich rail crossing
560	ACL	Acle station
577	SUT	Sutton Bank
618.9	CLD	Culdrose Start & Finish at NLE (Northleach)
631	DAR	Darlington A1(M)/A67 (705 via MET twice)
862	MIL	Millfield airfield

Isle of Wight

357 SAN - BUT - SCP - BUT - SAN Sand Hill Farm, Buster Hill, St Catherine's Point & R