SQUADRON .... A/C NUMBER AND LETTER N CAPTAIN F/O HICKEY NAVIGATOR F/S COCKRAM DATE 10/9/44

FORM 441

FORECAST W/Vs AND AIR TEMPS.

STAGE FROM TO	,000 FT From (T)	Speed	,000 FT From (T)	Speed	,000 FT From (T)	Speed	,000 FT From (T)	Speed	,000 FT From (T)	Speed
	TEMP °C		TEMP °C		TEMP °C		TEMP °C		TEMP °C	
	Satisfactory									

POSITION	SUN RISES	SUN SETS	MOON RISES	MOON SETS	TWILIGHT A.M.	TWILIGHT P.M.

WATCH .... fast/slow AT .... GMT. ON ..../..../.... GD. RATE .... secs./hr. gaining/losing

ORDERS ....

BLACKTIE. + YELLOW SMOKE PUFF.

1705 - 1709 NO BOMBING AFTER 1715

TIME	RQD TRACK (T)	W/V USED AND COMPUTED DRIFT	Course (T)	VARN	Course (M)	Compass Corrn. for Devn.	Course (C)	ROUTE FROM:—		TO:—	R.A.S.	HEIGHT & AIR TEMP.	T.A.S.	D.R. G/S	DIST. TO RUN	D.R. TIME	E.T.A.
1535½	204	300/10	207					BASE	—A	FAXFLEET	144	2 +10	182	184	21	7	1542½
	179	320/18	183					FAXFLEET	A—B	5300N	162	2 −10 7 −2	178	191	49	15¼	1557¾
	179	340/22	181						B—C	5130 0040W	177	10 −7	206	226	104	27½	1625¼
	176	010/15	175					5130 0040W	C—D	ENG COAST	177	10 −7	205	220	49	13¼	1638½
	176	010/15	175					ENG COAST	D—E	4952 0030W	177	10 −7	205	220	64	17½	1656
	128	030/15	124					4952 0030W	E—Δ	4932½ 0007½E	177	10 −7	205	211	36	10	1706
									—								
	126	020/15	122					4932½ 0007½E	Δ—F	4928 0017E	187	10 −7	216	218	9	2½	1708½
	211	030/15	211					4928 0017E	F—G	4920 0010E	187	10 −7	216	231	12	3	1711½
	298	030/15	302					4920 0010E	G—H	4940 0050W	202	10 −8 9 −6	230	230	50	13	1724½
	357	028/12	359					4940 0050W	H—J	ENG COAST	202	8 −6 7 −2	222	212	77	22	1746½
	357	032/11	359					ENG COAST	J—K	READING	202	6 −1	220	210	47	13¼	1800
	004	324/16	001					READING	K—L	FAXFLEET	202	6 −1	220	208	155	44¾	1844¾
	024	316/11	020					FAXFLEET	L—	BASE	202	6 −2 4 +3	212	208	21	6	1850½
									—								
									—								
									—								

NAVIGATIONAL OBSERVATIONS (Pin Points, Fixes, Position Lines, Actual T.M.G. Actual Drift, G/S and W/V Manoeuvres, etc.)	GENERAL (Met. Conditions, Bombing, Intell., Enemy Action)
Watches Synchronised W/T Go.	

Signed .... Navigator.

SQUADRON .... A/C NUMBER AND LETTER N CAPTAIN F/O HICKEY NAVIGATOR F/S COCKRAM DATE 10/9/44

FORM 441

FORECAST W/Vs AND AIR TEMPS.

STAGE FROM > TO	,000 FT From (T)	Speed	,000 FT From (T)	Speed	,000 FT From (T)	Speed	,000 FT From (T)	Speed	,000 FT From (T)	Speed
	TEMP °C		TEMP °C		TEMP °C		TEMP °C		TEMP °C	

POSITION	SUN RISES	SUN SETS	MOON RISES	MOON SETS	TWILIGHT A.M.	TWILIGHT P.M.

WATCH .... fast/slow AT .... GMT. ON ..../..../.... GD. RATE .... secs./hr. gaining/losing

ORDERS ....

AIR 858

TX 848

TIME	RQD TRACK (T)	W/V USED AND COMPUTED DRIFT	Course (T)	VARN	Course (M)	Compass Corrn. for Devn.	Course (C)	ROUTE FROM:— TO:—	R.A.S.	HEIGHT & AIR TEMP.	T.A.S.	D.R. G/S	DIST. TO RUN	D.R. TIME	E.T.A.
								—							
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TIME	RQD TRACK (T)	W/V USED AND COMPUTED DRIFT	Course (T)	VARN	Course (M)	Compass Corrn. for Devn.	Course (C)	NAVIGATIONAL OBSERVATIONS (Pin Points, Fixes, Position Lines, Actual T.M.G. Actual Drift, G/S and W/V Manoeuvres, etc.)	GENERAL (Met. Conditions, Bombing, Intell., Enemy Action)	R.A.S.	HEIGHT & AIR TEMP.	T.A.S.	D.R. G/S	DIST. TO RUN	D.R. TIME	E.T.A.
								Watches Synchronised W/T Go.								
								GEE H2S tested DR	synch							
								IFF off V.P. loaded	M/BS OFF							
1450								AIRBORNE								
1501								+ Δ 5458½	0026W							
								5354·0022½W Reset 4½ S	3½ E							
1521								+ Δ 5403½	0041½W							
								5 w/v	255/16. 2000 BASE							
1535	204	255/16	208					BASE s/c A.		177	2 +10	182	172	21	7½	1542½
1535								+5402 0028½ Δ 5400N 0029W	Reset +2 -½				172	23	8	1543
1543	179	276/27	185					□ A s/c B.		162	2 -10 7 -2	178	180	49	16½	1559½
1543.								+ Δ 5444½	0044W.							
								5342½ 0043½ Reset -2° +½ w/v	350/22							
1549								+								
1555								+5309 0048½ Δ 5310½	0049W.	177	10 -7	205	226	11	3	1558
								Reset -1½ -½ w/v	355/10/12. 7000							
1558	179	340/22.	181					□ B g/c C		177	10 -7	205	226	104	27½	1625½
1601								+								
1603½			141					A/c resume track 9m - 4½ mins								
1607.								+ Δ 5235½	0042W.							
								w/v	048/20/12 10000							
1608	179	000/12.	179					Resume Co.					218			
1612	180	048/20.	176					A/c new wind.					218			
1613.								+ Δ 5218½	0037W				218	51½	14	1627
								w/v	043/18/18.							
1619								+ Instead Δ 5201	0035½	182	10 -7	210				
								w/v	045/20.24		10000					
								G/S 215					220	30	8	1627
1625								+ Δ 5143	0034							
1627	176	045/25	171					□ c. A/c. D w/v	047/20/30	182	10 -7	210	222	49	13¼	1640
1631								+5117½ 0044 Δ 51 25	0031							
								-7½ 13W w/v	041/22/26							

Signed .... Navigator.

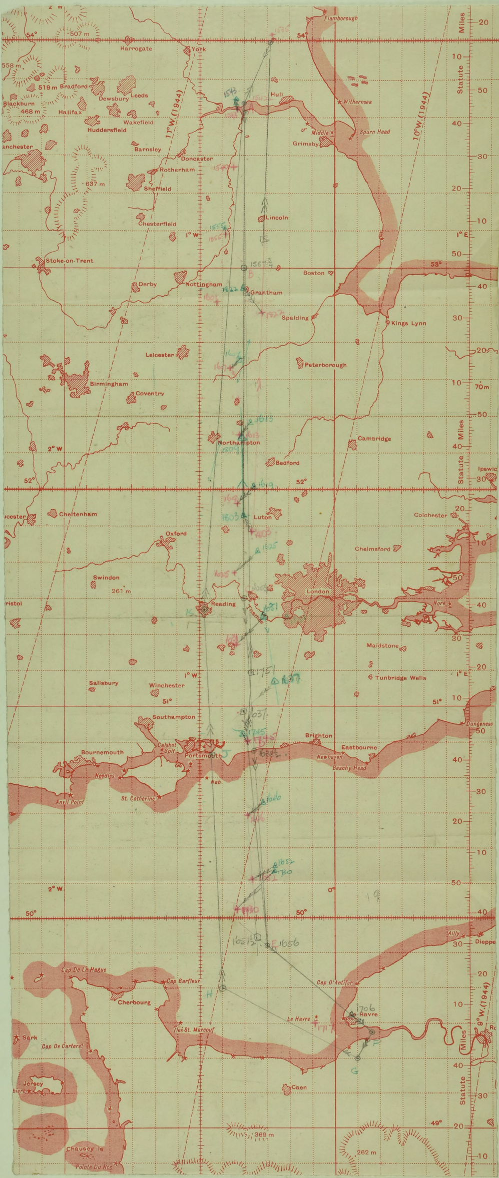
TIME 1631.	RQD TRACK (T)	W/V USED AND COMPUTED DRIFT	Course (T)	VARN	Course (M)	Compass Corrn. for Devn.	Course (C)	NAVIGATIONAL OBSERVATIONS (Pin Points, Fixes, Position Lines, Actual T.M.G. Actual Drift, G/S and W/V Manoeuvres, etc.)	GENERAL (Met. Conditions, Bombing, Intell., Enemy Action)	R.A.S.	HEIGHT & AIR TEMP.	T.A.S.	D.R. G/S	DIST. TO RUN	D.R. TIME	E.T.A.
1637	174	047/20	169					□ A/C H.		182	10 -7	210	244 221	77 77	19 20¾	1657
1646								+ Δ 5033	003½ W.							
								W/V	049/26./15		10.		221	43	11½	1657
1645								BOMBS FUSED. M/S	OFF							
1652								+ Δ 5015	0026½.							
								G/S W/V	060/25./21				210	19	5½	1657
									0620 for Bombing.							
1657½	128	060/25	122					□ E A/C Δ 1706 MBS ON		192	10 -7	220	200	36.	10¾	1708¼
1708								Bombs gone. MBS OFF.								
1708½								Δ								
								Ht 10500								
								Co. 122T	H.U. jet							
								IAS 185								
								Temp -2								
1708½	126	060/25	120					Δ S/C F.		192	10 -7	222	211	9	2½	1711
1711	211	060/25	208					DF S/C G		192	10 -7	222	243	1½	3	1714
1714	298	060/25	303					□ G S/C H		202	10 -8 9 -6	230	242	58	12½	1727½
1717								+		217	10 -8 9 -6	246	260	34	8	1725
1725	357	060/20	002					□ H A/C J		212	8 -6 7 -3	232	232	77	20	1745
1730								+ Δ 5013½	0026½ W							
								5002½ 0.043W W/V	044/18/59							
								Reset. 11S 16½ W								
1745								+ Δ 5052½	0041 W.							
								G/S W/V	330/12/15 8000	212	6 -1	230	220	178	48½	1839½
1751	000	330/12	358					□ A/C L								
1803								+ Δ 5153	0040							
								W/V	333/11/33 6000							
1815								+ No C pulse. Δ								
1822								+ Δ 5203½	0041 W.							
								G/S W/V	325/10½				228			
1828	002½W		000					□ A/C BASE.		212	6 -2 4 -3	232	222	60	15½	1843½
1835								+ GEE SIGNALS VANISHED.								
1843½								BASE.								
1850								Landed.								

Signed .... Navigator.

SQUARE SEARCH HEIGHT .... T.A.S. .... VIS. .... m

TRACK T.	W/V USED	Course (T)	VARN	Course (M)	Corrn. for Devn.	Course (C)	D.R. G/S	DIST.		D.R. TIME	T.T.T.	DIST.		D.R. TIME	T.T.T.
								2V				6V			
								2V				6V			
								4V				8V			
								4V				8V			

MEMORANDA



54°
507 m
Harrogate
York
Flamborough
558 m
519 m
Bradford
Leeds
Dewsbury
Blackburn
468 m
Halifax
Wakefield
Huddersfield
Hull
Withernsea
Middle
Spurn Head
Grimsby
anchester
Barnsley
Doncaster
Rotherham
Sheffield
637 m
11° W. (1944)
10° W. (1944)
Chesterfield
1° W
Lincoln
1° E
Stoke-on-Trent
53°
Boston
Derby
Nottingham
Grantham
Spalding
Kings Lynn
Leicester
Peterborough
Birmingham
Coventry
70 m
Cambridge
Northampton
2° W
Bedford
52°
Ipswic
ucester
Cheltenham
Luton
Colchester
Oxford
Chelmsford
Swindon
261 m
ristol
Reading
London
Nore
Thames
Maidstone
Salisbury
Winchester
Tunbridge Wells
51°
Southampton
Dungeness
Brighton
Eastbourne
Bournemouth
Calshot Spit
Portsmouth
Newhaven
Beachy Head
Needles
Nab
Anvil Point
St. Catherine
0°
50°
Ailly
Dieppe
Cap De La Hague
Cap Barfleur
Cap D'Antifer
Cherbourg
Le Havre
Havre
Iles St. Marcouf
Sark
Cap De Carteret
Jersey
biere
Caen
9° W. (1944)
Ro
49°
369 m
262 m
Chausey Is
Pointe Du Roc
Statute Miles
20
10
50
40
30
1535
1543
1542½
1543
A
1540
1555
1556
1557¾
B
1822
1601
1822
1607
1607
1613
1613
1809
1619
1619
1803
1803
1625
1625
1656½
1631
K
1631
1751
1637
1637
1745
1745
J
1633½
1646
1646
1652
1730
1652
1630
19
1651½
E 1656
H
1706
1717
F
G

8.65
50.69.

8.98
80.24