

Table 2
Instruments on Orford Ness used for Bombing Trials



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Label on Ken Daykin Fig. 2 (01)	Type of Object	Location	Description	Service Dates	Co-Ordinates North (°)	Co-Ordinates East (°)	Notes
Marked	Bomb Ballistics Building	On shingle	Control building for bomb ballistics trials	1933 to 1960s	52.086985	1.567979	Present 2021
-	Camera Obscura	On top floor of Bomb Ballistics Building	Used to determine wind direction and speed from smoke puffs produced from aircraft	1933 to at least 1957	52.087150	1.568358	Dismantled, fate unknown
-	Ground Speed Camera	On top floor of Bomb Ballistics Building	Originally a "camera obscura" with 20", 30" and 47" lenses, possibly replaced by an F52 camera with 36" lens later; defines origin of ballistics trials co-ordinate system	1933 to late 1940s	52.087148	1.568327	Dismantled, fate unknown
-	Warning light	Above turret of Bomb Ballistics Building	Height around 3.4 m above roof of turret, possibly retractable to 1.4 m	1933 to 1960s	52.087132	1.568358	Dismantled, fate unknown
-	Warning light	On roof of Bomb Ballistics Building	Height around 5.5 m above roof	1933 to 1960s	52.087193	1.568316	Visible in Ken Daykin Fig. 2 (02); nature to be confirmed; dismantled, fate unknown
-	Splash Camera	On vertical post in Bomb Ballistics Building turret	F24 camera, used for recording bomb impact point at sea	mid-1930s to 1960s	52.087132	1.568358	Dismantled, fate unknown
-	High-Speed Camera	On vertical post in turret of Bomb Ballistics Building	Vinten Type 105 35 mm 100 frames per second camera, used for precise measurement of bomb impact time	mid-1930s to 1960s	52.087132	1.568358	Dismantled, possibly preserved
-	Periscope	On vertical post in turret of Bomb Ballistics Building	Used for optical observation of bomb impact	mid-1930s to 1960s	52.087132	1.568358	Dismantled, fate unknown
-	Timing Lamps	On Land Bombing Line, 32 m SW of Bomb Ballistics Building	Central rotating beacon reflecting light patterns, used for coding precise release time to aircraft camera via six peripheral mirrors in hexagonal arrangement 6 m from centre	1933 to 1960s	52.086985	1.567979	Dismantled; central and five of six peripheral concrete plinths remain 2021
-	Hut with Ground Speed Camera	At North Weir Point on extreme SW tip of Orford Ness	F52 camera installed around 1951; possibly equipped with 60 inch lens; pointing NE along Cold War Bombing Line towards Bomb Ballistics Building around 7960 m / 8705 yards away on bearing 055° true	around early 1950s	52.046239	1.472828	Not visible on <i>GoogleEarth</i> 1945; lost to the sea
-	Hut with Ground Speed Camera	In hut near Orfordness Lighthouse	F52 camera installed around 1951; possibly equipped with a 60 lens; pointing NW towards Bomb Ballistics Building around 584 m / 639 yards away on bearing 305° true	by 1945	52.084328	1.575255	Visible on <i>GoogleEarth</i> 1945; documented by HE 1994
Post A	Observation Post	On S shore of Stony Creek	Used to locate impact of bomb dropped along Land Bombing Line	probably 1920s to mid-1930s	52.0809	1.5499	Not visible on <i>GoogleEarth</i> 1945
Post B	Observation Post	On S shore of Stony Creek	Used to locate impact of bomb dropped along Land Bombing Line	probably 1920s to mid-1930s	52.084027	1.556922	Possibly visible on <i>GoogleEarth</i> 1945
-	Askania Kine-Theodolite No. 1	Near jetty	Used for precise tracking and recording of path of aircraft and falling bomb	around early 1950s to at least 1957	52.088564	1.543393	Octagonal hut still present 2022
-	Askania Kine-Theodolite No. 2	On S bank of River Ore	Used for precise tracking and recording of path of aircraft and falling bomb	around early 1950s to at least 1957	52.08869	1.551066	Approximate location confirmed by Janet Harrison
-	Askania Kine-Theodolite No. 3	On S bank of River Ore	Used for precise tracking and recording of path of aircraft and falling bomb	around early 1950s to at least 1957	52.090573	1.557352	Approximate location confirmed by Janet Harrison
-	Askania Kine-Theodolite 4 or 5	Next to Bomb Ballistics Building	Used for precise tracking and recording of path of aircraft and falling bomb	around early 1950s to at least 1957	52.0873	1.568161	Concrete base slab with octagonal pattern still present 2022
-	Askania Kine-Theodolite	Near Orfordness Lighthouse	Used for precise tracking and recording of path of aircraft and falling bomb	around early 1950s to at least 1957	52.084404	1.574893	Confirmed; post documented by CITIZAN 2018; possibly lost to the sea
-	Askania Kine-Theodolite	Unknown, possibly on old airfield site, now marshland	Used for precise tracking and recording of path of aircraft and falling bomb	around early 1950s to at least 1957	52.0965, 52.0895 or 52.0857	1.5683, 1.5580 or 1.5440	Unconfirmed; approximate possible positions from sketch in Bomb Ballistics Building
Post P	Hut with Post Camera ("Splash Camera")	On beach near Orfordness Lighthouse	F24 camera, used for recording bomb impact point at sea	by 1945	52.0842	1.5754	Approximate position
Post Q	Hut with Post Camera ("Splash Camera")	On beach	F24 camera, used for recording bomb impact point at sea	around early 1950s	52.0915	1.5842	Approximate position, from sketch in Bomb Ballistics Building
Post R	Hut with Post Camera ("Splash Camera")	On beach	F24 camera, used for recording bomb impact point at sea	by 1945	52.076888	1.551928	Possibly visible on <i>GoogleEarth</i> 1945
Post S	Hut with Post Camera ("Splash Camera")	On beach	F24 camera, used for recording bomb impact point at sea	by 1945	52.072609	1.538185	Not visible on <i>GoogleEarth</i> 1945
-	Hut with Post Camera ("Splash Camera")	On beach	F24 camera, used for recording bomb impact point at sea	around early 1950s	52.1008	1.5863	Approximate position, from sketch in Bomb Ballistics Building
-	Wooden equilateral triangular platform (23 m along each side)	118 m on bearing 26° true from "Practice Bombing Target NE"	Practice Bombing Target (pile type); indicated by "Range Arrow E"	pre- World War II to at least 1945	52.096761	1.583942	Visible on <i>Luftwaffe</i> aerial photo taken 26 th August 1942 and on <i>GoogleEarth</i> 1945