

Squadron	Code	Type	Variant	Plane	Const	CAT	Date	MMAS	Field	Location	Reason	Accident	Investigation	Casualties	Update	Pilot	Navigator
Ser/Id	Code	Type	Variant	Set	Const	CAT	Date	MMAS	Field	Location	Reason	Findings	Investigation	Update	Pilot	Navigator	
Z4592	C	CR1	RS022	124	3069	5	17/06/1979		Yes	Crashed into Irish Sea, 4km off Howland	Flew into sea in misty conditions						
Z4586	A	No. 9	CR1	RS029	93	3050	5	27/09/1983	Yes	Crashed on Wolferton Marsh, near Kings Lynn	Suffered complete electrical failure	Technical Defect		1K 10K	20/08/2007	Sqn Ldr M Chahal	Steno Pit Lt N Nicholas
Z4584	F	No. 07	CR1	RS028	78	3042	5	28/01/1984	Yes	Crashed into North Sea 10km North of Great Yarmouth, Norfolk	Possible fuel tank believed to be empty. Investigation of same kind leading Navigator to investigate command ejection	Not Positively Determined		1K 10K	20/08/2007	Sqn Ldr G Thurston	
Z4451	ED	No. 15	CR1	RS081	245	3117	5	06/02/1984	Yes	Crashed 15m South West of Wilhelmshaven, Germany	Lighting strike caused starboard underwing fuel tank to catch fire/explore	Accident Error		2 0R	20/08/2007		
Z4408	408	TW2	CR1	RS075	222	3107	5	12/07/1984	Yes	Crashed near Hemstead, Norfolk	Collided with Jaguar XZ393 (crashed into North Sea, 2m W of Sheringham, Norfolk)	Accident Error		3 0R	20/08/2007		
Z4049	15	No. 27	CR1	RS120	314	3146	5	18/07/1984	Yes	Crashed on approach to Goose Bay, Canada	Loss of control due to flap failure, aircraft crashed inverted into woodland (unpowered controls)	Technical Defect		2 0R	20/08/2007		
Z4003	08	No. 27	CR1	RS041	129	3067	5	08/11/1984	Yes	Crashed 13km South of Sowerthorpe, Germany	Accidental double ejection during evading action to avoid a mid air collision with an A10.	Accident Error		3 0R	20/08/2007		
Z4010	B	No. 017	CR1	RS047	147	3074	5	12/12/1984	Yes	Crashed into North Sea whilst attempting to fuel a Buccaneer tanker	Flew into the North Sea whilst attempting to fuel a Buccaneer tanker	Accident Error		2 0R	20/08/2007		
Z4555	555	TW2	CR1	RT029	74	3039	5	02/12/1986	Yes	Crashed into field at Bockary Farm, Northam, near Dials	On approach to Northam excessive fuel believed to be from the ECS system causing carbon arc within an adjacent electrical loom	Not Positively Determined		2 0R	20/08/2007	Pt Lt J Magowan	Sqn Ldr J J Wye
Z4500	C	No. 017	CR1	RS042	124	3069	5	10/02/1987	Yes	Crashed into field near 11m E of the 'L' of Thurstal, Gants	Md air collision with Z4611 on night training mission. Z4611 recovered to Marham, hit from behind and below	Accident Error		2 0R	20/08/2007	Pt Lt J R Lewis	Sqn Ldr G Thurston
Z4884	EE	No. 14	CR1	RS114	471	3214	5	30/03/1987	Yes	Crashed near Ramon, Germany	The starboard tail rotor failed causing loss of control, a retaining bolt fell out due to failure of the locking mechanism	Technical Defect		2 0R	20/08/2007	Pt Lt J J Hill	Pt Lt J P Maloney
Z4396	566	TW2	CR1	RT020	119	3080	5	03/06/1987	Yes	Crashed on old airfield, Hunby, Lincoln	Crew ejected after loss of control due to fire damaging the flight control mechanism	Technical Defect		2 0R	20/08/2007	Wing Cmdr A V B Banks	Wing Cmdr S R Irving
Z4923	CR	No. 20	CR1	RS100	212	3145	5	17/06/1987	Yes	Crashed into hill at Bull's Crag, Cumbria after collision at Borrowdale	Md air collision with Jaguar XZ16, starboard wing of the Tornado hit the cockpit and wing root area of the Jaguar.	Operational Hazard		2 0R	20/08/2007	Pt Lt N Campion	Pt Lt J S Broad
Z4728	BD	No. 31	CR1	RS122	254	3163	5	27/07/1987	Yes and Accident Report	Crashed on Yorkshire Moors, near Pickering	Crew ejected after experiencing locked controls/hydraulic failure/Gas in system	Technical Defect/Operational Hazard		2 0R 1K	11/03/2003	Sqn Ldr Walker	Pt Lt Lt Lloyd
Z4448	EB	No. 15	CR1	RS078	237	3114	5	30/03/1988	Yes	Crashed on bellie range during Green Flag	Lost control whilst trying to break a SAM radar lock - SP15 was turned off and incorrect wing configuration	Accident Error		2 0R	20/08/2007	Flt Off T B Robinson	Pt Lt S P Tomes
Z4808	CJ	No. 17	CR1	RS137	409	3187	5	10/05/1988	Yes	Crashed into field near Berge-Beesko, Germany	Dived into ground whilst returning to low level	Accident Error		2 0R	20/08/2007		
Z4329	B-2	TTE	CR1	RS005	24	3011	5	09/08/1988	Yes	Crashed near Marham, Cumbria	Md air collision with Z4520, near Blencarn, Cumbria	Operational Hazard		2 0R	20/08/2007		
Z4593	MF	No. 617	CR1	RS038	107	3057	5	09/08/1988	Yes	Crashed near Malbury, Cumbria	Md air collision with Z4329, near Blencarn, Cumbria	Operational Hazard		2 0R	20/08/2007		
Z4881	BB	No. 14	CR1	RS151	455	3208	5	10/11/1988	Yes	Crashed near Wessome, W Germany	Md air collision with Alpha Jet 40-87, Tornado radome hit the front lower section of the Alpha jets starboard drop tank.	Accident Error		2 0R	20/08/2007		
Z4468	EV	No. 15	CR1	RS098	295	3134	5	20/07/1989	Yes	Crashed near Bergen, S Holland	Suffered engine failure on take off from RAF Leuchars, (nose wheel also failed to retract on takeoff)	Accident Error		2 0R	20/08/2007		
Z4833	EC	No. 23	CR1	AS077	723	3330	5	21/07/1989	Yes and Accident Report	Crashed into North Sea 30M NE of Newcastle	Crashed after failing to pull out of dive	Accident Error		1K 10K	31/03/2006		
Z4710	BJ	No. 14	CR1	RS114	238	3151	5	14/09/1989	Yes	Crashed near Brayton, Devon	Bird strike on take off from Obington	Accident Error		2 0R	20/08/2007		
Z4394	11	No. 2	CR1A	RS081	190	3093	5	09/10/1990	No	Crashed in field E of Beahm	Md air collision with Jaguar XZ108 over Spadonam range, port wing of Jaguar damaged the Tornado Fin causing loss of control	Operational Hazard		2 0R	20/08/2007	Pt Lt J J McLean	Pt Lt N Johnston
Z4454	EB	No. 15	CR1	RS084	252	3120	5	20/04/1990	Yes	Crashed 20m NE of Goose Bay, Canada	Uncontained starboard engine fire due to internal component failure	Technical Defect		2 0R	20/08/2007		
Z4545	545	TW2	CR1	RS014	57	3029	5	14/08/1990	Yes	Crashed into North Sea, 12m E of Spurn Head	Md air collision with Z4464	Accident Error		2 0R	20/08/2007		
Z4464	GM	No. 20	CR1	RS094	276	3130	5	14/08/1990	Yes	Crashed into North Sea, 12m E of Spurn Head	Md air collision with Z4545	Accident Error		1K 10K	20/08/2007		
Z4561	JR	No. 27	CR1	RS025	84	3045	5	10/08/1990	Yes	Crashed into North Sea 10M NE of Spurn Head	Dived into sea whilst practicing low level loft maneuver	Accident Error		2 0R	20/08/2007		
Z4466	FR	No. 16	CR1	RS096	281	3132	5	18/10/1990	Yes	Crashed on landing at Tabuk, Saudi Arabia	Main undercarriage struck raised arrestor barrier on landing, causing nose wheel to hit the runway first and collapse, skidded along	Accident Error		2 0R	20/08/2007		
Z4718	EB	No. 14	CR1	RS119	246	3160	5	15/01/1991	No	Crashed 14km west of Martrah, Oman	Flew into the desert whilst attempting low level turn	Accident Error		2 0R	20/08/2007		
Z4392	EX	No. 15	CR1	RS059	185	3091	5	17/01/1991	No	Aircraft hit ground 11km from target on run home, cause unknown	Night JP23 mission on Shahab airfield	Accident Error		2 0R	02/12/2005	Wing Cmdr Nigel Elado	Pt Lt Max Collier
Z4793	BC	No. 14	CR1	RS134	400	3183	5	17/01/1991	No	Shot down near Al Ramaylah airfield, Iraq	Shot down by shoulder launched SAM on 45kg low level attack.	Enemy Action		2 0R	02/12/2005	Pt Lt John Peters	Pt Lt John Nichol
Z4396	CE	No. 20	CR1	RS063	194	3095	5	19/01/1991	No	Shot down near Tallil airfield, Iraq	Night attack on Tallil airfield, supporting JP233 mission, believed Roland.	Enemy Action		2 0R	02/12/2005	Pt Lt David Biddell	Pt Lt Robert Stuart
Z4803	AC	No. 9	CR1	RS153	483	3211	5	20/01/1991	No	Crashed at Tabuk, Saudi Arabia	Technical problem on takeoff, crew ejected after two aborted landing attempts	Accident Error		2 0R	02/12/2005	Wing Cmdr Mike Heath	Sqn Ldr Peter Harrison
Z4467	FF	No. 31	CR1	RS097	281	3133	5	22/01/1991	No	Crashed on landing mission to Al Rutbah, Iraq	Aircraft hit ground, cause unknown.	Accident Error		2 0R	02/12/2005	Sqn Ldr Gary Lomas	Sqn Ldr Adrian Paul, Rev Weeks
Z4403	CO	No. 31	CR1	RS070	211	3102	5	24/01/1991	No	Crashed near Al Ramaylah airfield, Iraq	45kg TV fused bomb exploded prematurely causing catastrophic damage	Accident Error		2 0R	02/12/2005	Pt Lt Simon Burgess	Sqn Ldr Rob Anderson
Z4717	CD	No. 15	CR1	RS118	244	3159	5	14/02/1991	No	Shot down near Balkhina, 12m W of Fallouja, Iraq	Shot down, believed SA -3 on daylight medium altitude sortie - 45kg LGBs	Enemy Action		1 0R 1K	02/12/2005	Pt Lt Robin Stewart	
Z4376	..	No. 20	CR1	RS058	183	3090	5	10/05/1991	Yes	Crashed on Lambersted, Germany, on training mission	Alleged loss of control	Accident Error		2 0R	20/08/2007	Sqn Ldr Paolo Mason	Pt Lt Bob Woods
Z4540	NO	No. 017	CR1	RT013	47	3024	5	12/09/1991	Yes	Crashed into Bristol Channel, south of Steep Holm Island	Loss of TRM 4 manual controls, believed fire due to hot gas or hydraulic leak	Accident Error		2 0R	20/08/2007	Pt Lt A Edwards	Wing Cmdr J Ball
Z4838	GO	No. 43	F3	AS083	735	3337	5	21/10/1993	Yes	Crashed onto Moors near A66, Barnard Castle	Suffered major fuel leak whilst trying to gain height to fuel ignited and set fire to both engines	Accident Error		2 0R	20/08/2007	Pt Lt L Taylor	Pt Lt S Walker
Z4809	BP	No. 111	F3	AS071	711	3323	5	07/09/1994	Yes	Crashed 4m NE of Scarborough	Uncontained engine fire, due to internal failure (drybrake seal failure)	Technical Defect		2 0R	20/08/2007	Pt Lt S Swoley	Pt Lt C Chew
Z4558	CF	No. 43	F3T	AT090/AT07	928	3409	5	08/07/1994	Yes	Crashed into Mediterranean sea 11m SSE of Akrotiri during APC	Flew into sea whilst on approach	Accident Error		2 0R	20/08/2007		
Z4368	AL P	No. 617	CR1	RT032	163	3082	5	10/07/1994	Yes	Crashed into Newby River, 10m NNE of Lossiemouth	Failure of Camb coupling due to O ring failure causing fuel leak and subsequent fire damage to wiring looms	Technical Defect, Fuel Coupling		2 0R	20/08/2007	Pt Lt S T Petherick	
Z4397	O	No. 2	CR1A	RS064	197	3098	5	01/08/1994	Yes	20m East of Grand Etvers, Canada	Collided with Z4844 during aerial refuelling, caught fire and crashed into a reservoir, wreckage not found	Accident Error		2 0R	20/08/2007	Rpt A Stumpf	
Z4708	C	No. 13	CR1A	RS176	815	3391	5	01/09/1994	Yes	Crashed next to A85, Glen Oglo, Perthshire, Scotland	Aircraft flew into the ground	Not Positively Determined		2 0R	20/08/2007	Pt Lt H Ring	Flt Off P P Moriarty
Z4723	J	No. 13	CR1A	RS182	838	3399	5	19/09/1994	Yes	Crashed into sea off Cape Fares, Somalia	Catastrophic engine failure and subsequent fire	Technical Defect		2 0R	20/08/2007	Pt Lt D J Bazell	
Z4789	A	No. 56	F3	AS065	699	3316	5	10/03/1995	Yes	Crashed 15m E of Spurn Head	Uncontained port engine fire caused loss of control (damaged control system)	Accident Error		1K 10K	20/08/2007	Pt Lt J Magowan	Flt Off P P Moriarty
Z4714	Q	No. 13	CR1A	RS181	825	3397	5	14/09/1995	No	Crashed on landing at Goose Bay	Appalled on landing, nose wheel collapsed, aircraft slid off runway into a field	Accident Error		2 0R	20/08/2007	Pt Cdr Jon Somell	Pt Lt Mike Lonsdaley
Z4710	FR	No. 25	F3	AS028	586	3282	5	30/10/1995	No	Lined to Leuchars, with damage to forward fuselage. Strimed for spare	Md air collision with Z4723	Accident Error		2 0R	20/08/2007		
Z4723	CE	No. 43	F3	AS049	682	3297	5	30/10/1995	No	Crashed into North Sea 60m NE of Berwick	Md air collision with Z4710	Accident Error		2 0R	20/08/2007		
Z4366	AF	No. 56	F3T	AT013	542	3244	5	10/01/1996	No	Crashed at Boston after collision 9m W of Coningsby	Md air collision with Z4362	Accident Error		2 0R	20/08/2007		
Z4362	AB	No. 56	F3T	AT034	742	3341	5	10/01/1996	No	Crashed at Bigby, Lincoln after collision 9m W of Coningsby	Md air collision with Z4366	Accident Error		2 0R	20/08/2007		
Z4846	BL	No. 14	CR1	RS144	434	3198	5	11/01/1996	Yes	Crashed at Alnchurch, 5m SW of Munster	Pilot lost control (SP15 turned off)	Accident Error		2 0R	20/08/2007		
Z4789	AM	No. 9	CR1	RS132	391	3180	5	23/02/1996	No	RAF Bruggen	Fire on landing, Uncontained Cross Drive Clutch Failure.	Accident Error		2 0R	13/02/1999		
Z4845	AF	No. 9	CR1	RS143	432	3197	5	26/02/1996	No	Crashed on open ground near Isona, Germany, whilst diverting to Laarbach	Engine failure, hot gas leak, Uncontained Cross Drive Clutch Failure.	Accident Error		2 0R	20/08/2007		
Z4759	...	MD(FE)	F3T	AT029	679	3306	5	29/09/1996	No	Crashed onto beach at Blackpool	Control problem on take off due to foreign object jamming control surfaces	Jammed Taileron Control		2 0R	20/08/2007		
Z4732	BE	No. 29	F3	AS048	680	3296	5	15/09/1996	No	Crashed into North Sea 40m E of Flory (5416N 00321E)	777	Under Investigation		2 0R	20/08/2007	Sqn Ldr Vivian	
Z4330	B-08	...	CR1	RT007	25	3012	5	21/01/1999	Yes	Crashed near Everton & Matneysey, North	Collided with Conquest 152 G-BPZC, both aircraft crashed. Tornado crew plus two in Conquest killed.	Under Investigation		2 0R	20/08/2007		
Z4809	BA	No. 14	CR1	RS138	411	3188	5	14/10/1999	Yes	Crashed 1.5m South East of Kirkstoun, Northumbria	Flew into ground whilst aborting due to bad weather	Accident Error		2 0R	20/08/2007		
Z4830	...	F30E2	F3T	AT032	718	3327	5	17/11/1999	Yes	Crashed into North Sea, 11m SE Torrens power station	Uncontained fire due to engine failure	Technical Defect		2 0R	20/08/2007		
Z4599	VI	No. 2	CR1	RT025	120	3083	5	17/05/2002	Yes	Crashed into the River Bumber	Rear fuselage fire caused by fuel leak causing damage to wiring and mechanical control rods.	Technical Defect		2 0R	20/08/2007		
Z4710	D	No. 13	CR1A	RS177	819	3393	5	23/03/2003	Yes	Crashed into the desert, Northern Kuwait	Hit by IS Patriot missile fired in error	Accidental shoot down		2 0R	25/05/2003	Pt Lt R Main	Pt Lt D Williams
Z4841	DL	No. 31	CR1	RS107	307	3143	5										