

| Serial | Code | Swaption | Type | Variant | Flame Set | Control | CAT | Date | M.A.S.S field | Location | Reason | Accident Investigation Finding | Conclusion |
|--------|------|----------|------|---------|-----------|---------|-----|----------|---------------|--|---|---|------------|
| 20599 | --- | RAZ | FWD | FWD | --- | --- | S | 18/01/99 | No | Crashed into Irish Sea, soon off Blackpool | Fire into sea in heavy conditions | | |
| 20600 | A | No 19 | GR4 | 8509 | 38 | 3901 | S | 20/02/99 | Yes | Crashed near Ballinacorney, near Enniscorthy | Insufficient engine fuel | Tactical Defect | OK |
| 20601 | F | No 167 | GR4 | 8502 | 38 | 3904 | S | 20/02/99 | Yes | Crashed into North Sea, near North of Sheringham, Norfolk | Flight control, believed through misinterpretation of some lead heading Navigator to misguide command ejection | Not Positively Determined | UK IAD |
| 20602 | ED | No 17 | GR4 | 8503 | 443 | 3907 | S | 20/02/99 | Yes | Crashed near South Street, 880th Street, Toronto, Ontario | Lighting issues caused fuel tank over-pressurization fuel tank to catch fire/ignite | Accident | 2 OK |
| 20603 | uR | TWCU | GR4 | 8502 | 211 | 3907 | S | 20/02/99 | Yes | Crashed near Hempton, Norfolk | Collision with legator K299 (crashed into Irish Sea), 3m NW of Sheringham, Norfolk | Accident | 1 OK |
| 20604 | VE | No 17 | GR4 | 8503 | 39 | 3906 | S | 20/02/99 | Yes | Crashed near Hempton, Norfolk | Loss of control due to fuel failure, wires of fuel control system disconnected during taxi | Tactical Defect | OK |
| 20605 | 2A | No 17 | GR4 | 8503 | 39 | 3906 | S | 20/02/99 | Yes | Crashed near Hempton, Norfolk | Accidental door ejection during evasive action to avoid mid-air collision with an A-10 | Accident | OK |
| 20606 | B | No 167 | GR4 | 8502 | 347 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of Humberhead Head | Fire into North Sea whilst attempting to find Buccaroo tanker | Not Positively Determined | OK |
| 20607 | SS | TWCU | GR4 | 8502 | 76 | 3909 | S | 20/02/99 | Yes | Crashed into field at Biscay Park, Weymouth, near Dorset | Attempt to manoeuvre engine fuel intake valve to be from the ECS system causing carbon arc within an adjacent electrical loom. | Not Positively Determined | OK |
| 20608 | G | No 167 | GR4 | 8502 | 394 | 3909 | S | 20/02/99 | Yes | Crashed on disused railway line 5 km NE of Thornby, Cambs | Mid-air collision with Z445 on night training mission, Z445 received 1st return, hit from behind and dived | Accident | OK |
| 20609 | BE | No 14 | GR4 | 8501 | 475 | 3904 | S | 20/02/99 | Yes | Crashed near Ramen, Germany | The unbraked tail wheel landing gear caused a wheel lock due to failure of the locking mechanism | Tactical Defect | OK |
| 20610 | 2A | 2A | GR4 | 8502 | 394 | 3909 | S | 20/02/99 | Yes | Crashed on old airfield, Merville, Norm | Engine system after loss of control due to fire damaging the Right control mechanism | Tactical Defect | OK |
| 20611 | GH | No 18 | GR4 | 8501 | 217 | 3914 | S | 20/02/99 | Yes | Crashed into field at Brinkley Camp, Cambs after collision at Boreham | Mid-air collision with legator Z242, resulting in the Tornado hit the engine and wing root area of the legator. | Accident | OK |
| 20612 | DD | No 15 | GR4 | 8502 | 394 | 3909 | S | 20/02/99 | Yes | Crashed on Yorkhouse Moor, near Pickering | Crew ejected after experiencing locked control hydraulic failure (gas in system) | Tactical Defect | OK |
| 20613 | ES | No 16 | GR4 | 8501 | 217 | 3914 | S | 20/02/99 | Yes | Crashed into field near Borge-Hennau, Germany | Loss control whilst trying to break a TAM radio link - SPIC was turned off and incorrect wiring configuration | Operational Hazard | OK |
| 20614 | TT | TTT | GR4 | 8502 | 24 | 3911 | S | 20/02/99 | Yes | Crashed near Milburn, Cumbria | Dived into ground whilst returning to base | Accident | OK |
| 20615 | MF | No 167 | GR4 | 8502 | 397 | 3907 | S | 20/02/99 | Yes | Crashed near Milburn, Cumbria | Mid-air collision with Z299, near Blomans, Cumbria | Operational Hazard | OK |
| 20616 | BP | No 14 | GR4 | 8501 | 475 | 3904 | S | 20/02/99 | Yes | Crashed near Blomans, Cumbria | Mid-air collision with legator Z445, Tornado dived to the front lower section of the legator's forward drop tank. | Operational Hazard | OK |
| 20617 | EN | No 15 | GR4 | 8502 | 395 | 3904 | S | 20/02/99 | Yes | Crashed near Bergen, S Holland | Sufficient engine failure on take off from RAF Leuchars, (nose wheel also failed to retract on takeoff) | Operational Hazard | OK |
| 20618 | EC | No 13 | F3 | 4509 | 211 | 3901 | S | 20/02/99 | Yes | Crashed into field near NE of Newcastle | Caused by failure to put engine in | Accident | OK |
| 20619 | BI | No 14 | GR4 | 8501 | 475 | 3904 | S | 20/02/99 | Yes | Crashed near Drayton, Oxon | Bird strike on take off from Abingdon | Accident | OK |
| 20620 | II | No 2 | GR4 | 8504 | 599 | 3903 | S | 20/02/99 | Yes | Crashed in field at Eindhoven | Mid-air collision with legator Z240 over Spaakdamterp, part wing of legator damaged the Tornado by causing loss of control | Operational Hazard | OK |
| 20621 | ES | No 15 | GR4 | 8502 | 151 | 3909 | S | 20/02/99 | Yes | Crashed soon NE of Gosport, UK | Uncontrolled fuel engine fire due to unusual component failure | Tactical Defect | OK |
| 20622 | SYS | TWCU | GR4 | 8504 | 57 | 3909 | S | 20/02/99 | Yes | Crashed into North Sea, east of Spurn Head | Mid-air collision with Z445 | Accident | OK |
| 20623 | GM | No 18 | GR4 | 8502 | 225 | 3907 | S | 20/02/99 | Yes | Crashed into North Sea, east of Spurn Head | Mid-air collision with Z445 | Accident | OK |
| 20624 | JF | No 17 | GR4 | 8502 | 84 | 3905 | S | 20/02/99 | Yes | Crashed into North Sea, east of Spurn Head | Dived into sea whilst attempting low level manoeuvre | Accident | OK |
| 20625 | PH | No 16 | GR4 | 8502 | 285 | 3912 | S | 20/02/99 | Yes | Crashed landing at Takla, Saudi Arabia | Main undercarriage struck ground causing engine to stall, causing nose wheel to hit the runway and stall and collapse, skidded along runway and caught fire, crew ejected | Accident | OK |
| 20626 | BM | No 14 | GR4 | 8502 | 345 | 3906 | S | 20/02/99 | No | Crashed upon west of Mairah, Oman | Fire into the desert whilst attempting low level turn | Accident | OK |
| 20627 | EK | No 15 | GR4 | 8502 | 385 | 3909 | S | 20/02/99 | No | Attempted to land from target on horizon, cause unknown | Right engine overheat on Chukchi Airfield | Accident | OK |
| 20628 | BS | No 14 | GR4 | 8501 | 475 | 3904 | S | 20/02/99 | No | Shot down near Ar-Rumaylah airfield, Iraq | Shot down by Abkhaz launched SAM on 4000 ft low level attack. | Enemy Action | IPROW |
| 20629 | GE | No 18 | GR4 | 8504 | 298 | 3909 | S | 20/02/99 | No | Shot down near Tallal airfield, supporting PG 1 mission, believed to be | Right engine on Tallal airfield, supporting PG 1 mission, believed to be | Enemy Action | IPROW |
| 20630 | AG | No 15 | GR4 | 8502 | 470 | 3911 | S | 20/02/99 | No | Crashed at Takla, Saudi Arabia | Technical problem on takeoff, crew ejected after two aborted landing attempts | Accident | OK |
| 20631 | AF | No 18 | GR4 | 8502 | 285 | 3912 | S | 20/02/99 | No | Crashed on landing mission to Ar-Rumaylah, Iraq | Approach ground, cause unknown | Accident | OK |
| 20632 | AO | No 15 | GR4 | 8502 | 211 | 3909 | S | 20/02/99 | No | Crashed near Ar-Rumaylah airfield, Iraq | 4000 FT low level bomb release prematurely causing aerodynamic damage | Enemy Action | IPROW |
| 20633 | AD | No 167 | GR4 | 8501 | 475 | 3904 | S | 20/02/99 | Yes | Crashed into British Channel, south of Green Island | Loss of RW & manual controls, believed to be due to gas or hydraulic leak | Accident | OK |
| 20634 | CD | No 15 | GR4 | 8501 | 344 | 3909 | S | 20/02/99 | Yes | Shot down near Ballinacorney, east of Biscay, Iraq | Sufficient engine fuel leak, whilst trying to gain height, fuel gauges and fuel feed fire to both engines | Accident | OK |
| 20635 | --- | No 18 | GR4 | 8502 | 483 | 3909 | S | 20/02/99 | Yes | Crashed in Germany, on training mission | Uncontrolled engine fire, due to engine failure (likely fuel feed failure) | Tactical Defect | OK |
| 20636 | 2A | No 167 | GR4 | 8501 | 475 | 3904 | S | 20/02/99 | Yes | Crashed into British Channel, south of Green Island | Loss of RW & manual controls, believed to be due to gas or hydraulic leak | Accident | OK |
| 20637 | GO | No 13 | F3 | 4508 | 211 | 3901 | S | 20/02/99 | Yes | Crashed into North Sea near Alder, Denmark | Engine failure on take off | Accident | OK |
| 20638 | HP | No 167 | F3 | 4509 | 211 | 3901 | S | 20/02/99 | Yes | Crashed 4000 ft NE of Scarborough | Engine failure on take off | Accident | OK |
| 20639 | GF | No 13 | F3 | 4509 | 211 | 3901 | S | 20/02/99 | Yes | Crashed into British Channel, south of Green Island | Loss of RW & manual controls, believed to be due to gas or hydraulic leak | Accident | OK |
| 20640 | AJP | No 167 | GR4 | 8501 | 345 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of Spurn Head | Failure of ramjet engine due to 12 mg failure causing fuel leak and subsequent fire damage to wing tanks | Accident | OK |
| 20641 | D | No 14 | GR4 | 8504 | 345 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of Spurn Head | Collision with Z244 during parallel approach, fuel feed fire and fuel tank fire, crew ejected | Accident | OK |
| 20642 | C | No 13 | GR4 | 8501 | 895 | 3908 | S | 20/02/99 | Yes | Crashed near Ailsa, Glen Dalg, Perthshire, Scotland | Approach into the ground | Not Positively Determined | OK |
| 20643 | J | No 13 | GR4 | 8508 | 848 | 3908 | S | 20/02/99 | Yes | Crashed into sea off Cape Verde | Engine failure on take off | Tactical Defect | OK |
| 20644 | AU | No 15 | F3 | 4506 | 699 | 3906 | S | 20/02/99 | Yes | Crashed into sea off Cape Verde | Catastrophic engine failure and subsequent fire | Tactical Defect | OK |
| 20645 | D | No 13 | GR4 | 8508 | 848 | 3908 | S | 20/02/99 | Yes | Crashed into sea off Cape Verde | Uncontrolled engine fire caused loss of control (damaged control system) | Tactical Defect | OK |
| 20646 | FR | No 15 | F3 | 4508 | 386 | 3904 | S | 20/02/99 | No | Landed in a ditch, with damage to forward baggage, Stopped for spares | Mid-air collision with Z233 | Accident | OK |
| 20647 | GE | No 13 | F3 | 4506 | 661 | 3907 | S | 20/02/99 | Yes | Crashed into North Sea, east of Spurn Head | Mid-air collision with Z244 | Accident | OK |
| 20648 | AF | No 15 | F3 | 4504 | 544 | 3904 | S | 20/02/99 | No | Crashed at Brevinster after collision with W of Comragby | Mid-air collision with Z282 | Accident | OK |
| 20649 | AB | No 15 | F3 | 4506 | 744 | 3904 | S | 20/02/99 | Yes | Crashed at Digby, close to collision with W of Comragby | Mid-air collision with Z282 | Accident | OK |
| 20650 | BL | No 14 | GR4 | 8508 | 434 | 3908 | S | 20/02/99 | Yes | Crashed at Aldbath, SW of Munster | Engine failure on take off (SPIC turned off) | Accident | OK |
| 20651 | AM | No 13 | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | No | RAF Bruggen | Fire in landing, uncontrolled cross drive clutch failure | Accident | OK |
| 20652 | AF | No 9 | GR4 | 8501 | 399 | 3907 | S | 20/02/99 | Yes | Crashed on open ground near Baum, Germany, whilst diverting to Leerbruch | Engine failure, hot gas leak, Uncontrolled cross Drive Clutch Failure. | Uncontrolled Cross Drive Clutch Failure | OK |
| 20653 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed onto beach at Blackpool | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20654 | BT | No 19 | F3 | 4504 | 666 | 3908 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20655 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20656 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20657 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20658 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20659 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20660 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20661 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20662 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20663 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20664 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20665 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20666 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20667 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20668 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20669 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20670 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20671 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20672 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20673 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20674 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20675 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20676 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20677 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20678 | 2A | 2A | GR4 | 8502 | 399 | 3906 | S | 20/02/99 | Yes | Crashed into North Sea, east of E. Fly (Lough Beg) | Control problem on take off due to foreign jamming control surface | Accident | OK |
| 20679 | 2A | 2A | GR4 | | | | | | | | | | |