

AIRSPACE CO-ORDINATION NOTICE

Safety and Airspace Regulation Group



ACN Reference:	Version:	Date:	Date of Original
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AR-2024-2813	1.0	13/05/2024	09/05/2024
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Civil Aviation Authority

Tiree Radar Flight Trial FCSL

NDS

Subject to NOTAM: No**Date(s) of activity/Validity:**

1 Jun 24 – 31 Dec 24

Times

0800-1700z

Vertical Limits:

FL50-FL390

Allocated Mode 3A (SSR):

0024

Aircraft Details:

Type: Citation
Callsign: TBC

NDS Approved:

Yes – See Section 2

Event Sponsor(s):

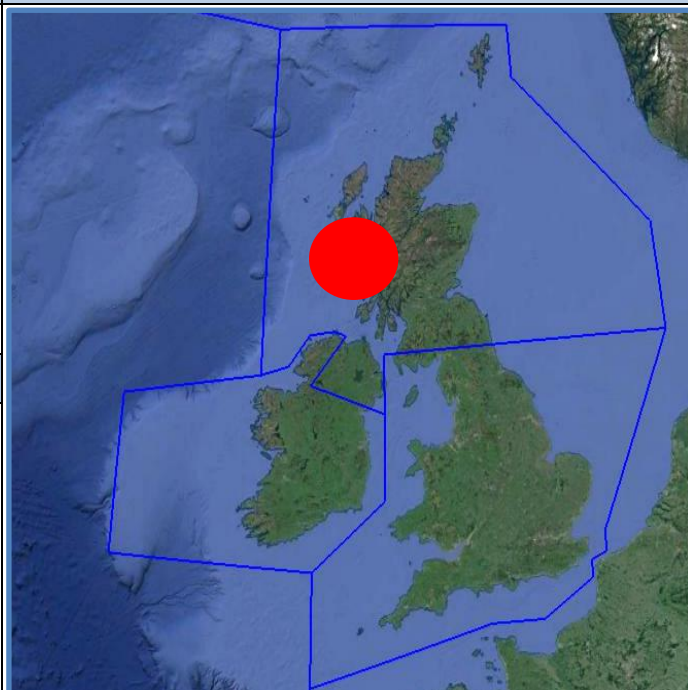
Anthony Taylor,
Systems Engineer,
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4000 Parkway,
Whiteley,
Fareham,
Hants,
PO15 7FL
anthony.taylor@nats.co.uk

Aircraft Operator(s):

Chris Tutt
Flight Calibration Services
Calibration House
17-19 Cecil Pashley Way
Shoreham Airport
Shoreham-by-Sea
West Sussex
BN43 5FF
01243 538245
operations@flight-cal.com

ATS Units/**Controlling Agencies:**

Prestwick Centre	01294 655300
Swanwick Mil North	01489 612943
Glasgow (Info)	0141 840 8029
Prestwick (Info)	01292 511107

Geographical Limits:**Airspace Reservations:**

Nil

Departure/Destination Aerodrome(s)

EGPK

ACN Issued by:

AU3

SECTION 1: CO-ORDINATION ARRANGEMENTS (GENERAL)

1. The pilot/operator is requested to telephone the ATC authorities on the cover prior to departure in order to notify or update the sortie details including area(s) of operation and planned levels (quoting the ACN Reference). A minimum of 24 hours' notice should be given unless specified in Section 2.
2. There may be other aircraft and/or activities outside Controlled/Regulated Airspace unknown to ATC.
3. The carriage and operation of a serviceable transponder (including Mode 'C') has been specified.
4. The pilot will be responsible for obtaining all necessary ATC clearances and for maintaining R/T contact with appropriate ATC authorities.
5. The pilot/operator will be responsible for obtaining prior clearances to enter any UK Danger Areas affected by the flight profile from the appropriate Range Control Authority unless this is specifically detailed in Section 2.
6. Other Unusual Aerial Activities (UAAs) may be notified to the CAA Safety and Airspace Regulation Group (SARG) and may take place within the airspace encompassed by this flight. The pilot/operator is to ensure that UK Daily NOTAM Nav Warnings are consulted prior to each flight.
7. All flights within Controlled Airspace are subject to the requirements of a Flight Plan in accordance with UK AIP ENR1.10. The ACN Reference should be entered into Field 18 of the Flight Plan together with any relevant 'special handling' codes.
8. Flight prioritisation and Non-Deviating Status is in accordance with the information specified on the ACN Cover. Such status may be afforded to part or all of the flight – see Section 2.
9. Availability of an ATS from Plymouth Military, Swanwick Military (78 Sqn) or Western Radar is subject to unit capacity, priorities and limitations of radar and radio coverage. Minimum pre-flight notification as per UK AIP ENR 1.6 unless otherwise specified in Section 2 of this ACN.
10. The CAA actively encourages the use of Moving map technology in the planning and flying phases of flights to reduce the risk of airspace infringements.

PUBLICATIONS AND CHANGES

11. The activity area may lie within Controlled and Uncontrolled Airspace as well as airspace reserved for military use. Aircrew are to thoroughly familiarise themselves with UK airspace structures and procedures, in particular those laid down within the UK Aeronautical Information Publication (UK AIP), ENR 1.1 and be fully conversant with UK Flight Information Services in accordance with UK CAP 493 (MATS Pt 1).
12. The CAA VFR 1:500,000 and 1:250,000 charts and the UK AIP ENR 5 depict some, but not all aviation activity sites and amendments should also be checked. Please refer to <http://www.nats-uk.ead-it.com>
13. This ACN details specific coordination essential to the activity taking place and does not remove the need for aircraft operators to comply with national flight planning and notification procedures. Pilots and ANSPs are required to ensure that all related aviation sites are aware of this planned activity and of subsequent changes not captured within this document.
14. The Sponsor or Event Organiser should co-ordinate any changes to this ACN with SARG quoting the ACN Reference at the top of the page.

Airspace Regulation (Utilisation) – AU3
Email: AROps@caa.co.uk
Tel: 01293 983880

SECTION 2: CO-ORDINATION ARRANGEMENTS (SPECIFIC)

15. This ACN details flight profiles to complete the Tiree Radar Flight Trial.

16. The sponsor is responsible for obtaining any required permits to fly within UK airspace; this ACN does not constitute approval to fly in UK airspace, but only outlines the coordination process/contacts to facilitate the flight.

17. **Notification of Calibration Flight.** The sponsor is to notify the agencies listed on page one of this ACN at least 1 week prior to the planned calibration. In addition, the pilot is to contact the appropriate agencies at least 24 hours prior to confirm that the flight will still take place and again at least 1 hours prior to departure to provide final details, agree a start time and confirm availability of an Air Traffic Service (ATS).

18. **Priority.** This flight has been afforded Non-Deviating Status (NDS) whilst established on a measured run only and within Controlled Airspace (CAS), (*UK AIP ENR 1.1 (4.2) & CAP 493 – Section 1, Ch4, Para 17 refers*). Outside CAS and in between runs, the aircraft is categorised as CAT Z, (*CAP 493 – Section 1, Ch4, Para 10c refers*) and attracts no priority. In order to reduce the impact to other airspace users, the controlling authority may request that the pilot hold, or accept radar vectors in order to make best use of the airspace, or to reduce overall delays.

19. Measured runs will require careful management around airport movements as NDS is difficult to negotiate at such low levels. If this presents an issue the orbits may need to be conducted at 4000ft.

20. Flight Profiles:

Serial No	Description	Altitude/FL	Notes
A1	Position 30NM, 31.5NM or 34NM from N56°27'19.840" W006°55'22.864" to commence clockwise Orbit.	FL100	1 x 360° Orbit. Can be flown anti-clockwise. Orbit distance dependant on weather at time of Trial.
A2	Fly R176 to 15NM South of Tiree Radar. Turn and overfly Radar on R356 to 250NM. Turn and fly R176 back to Tiree Radar.	FL390	
A3	Fly R176 to 15NM South of Tiree Radar. Turn and overfly Radar on R356 to 160NM. Turn and fly R176 back to Tiree Radar.	FL250	
A4	Fly R176 to 15NM South of Tiree Radar. Turn and overfly Radar on R356 to 160NM. Turn and fly R176 back to Tiree Radar.	FL100	
A5	Fly R176 to 15NM South of Tiree Radar. Turn and overfly Radar on R356 to 120NM. Turn and fly R176 back to Tiree Radar.	FL50	

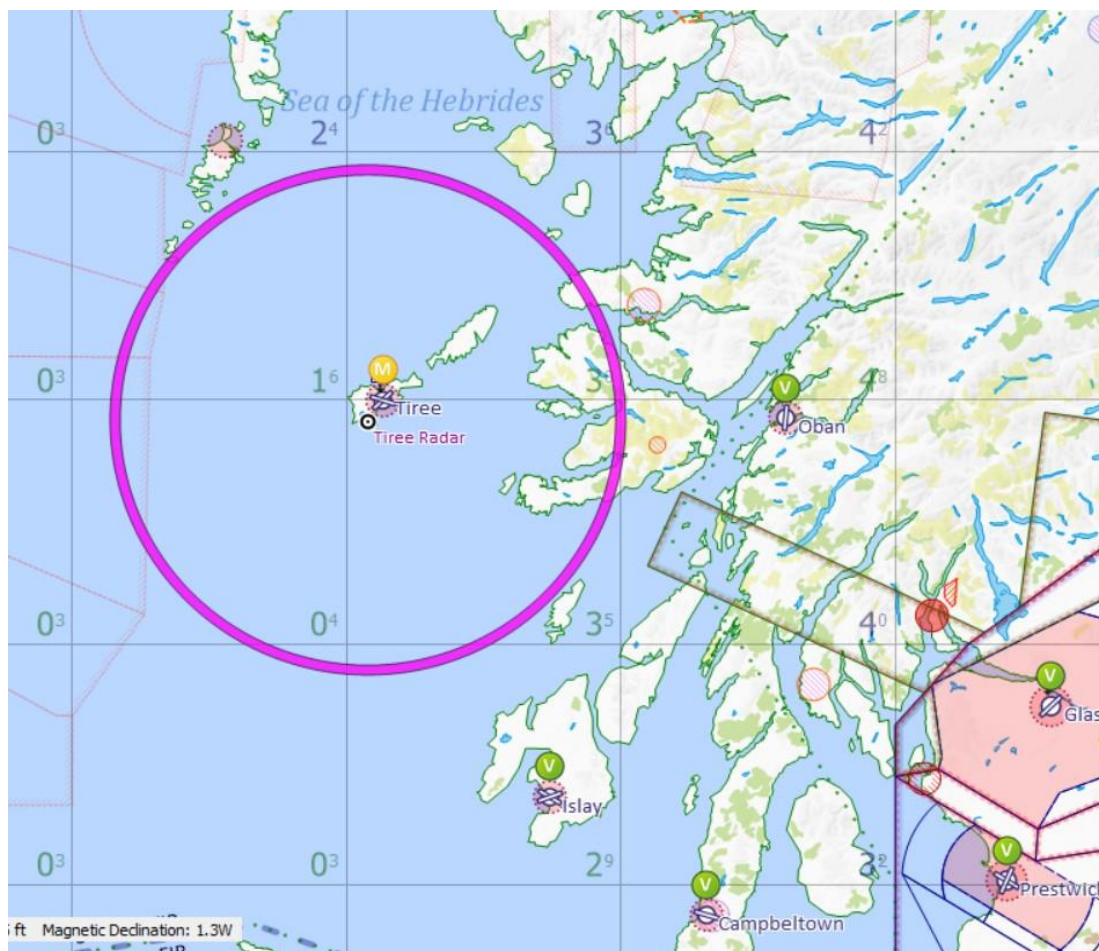
21. **ATS Provision – Controlled Airspace (CAS).** Access to controlled airspace is subject to the prevailing traffic situation and controller workload. The pilot is responsible for obtaining a clearance to enter controlled airspace prior to penetration.
22. Availability of an ATS from a unit is not guaranteed, is subject to controller availability, unit workload and possible reduced hours of operations. Amendments to the published hours of availability, as listed in the UK AIP ENR 1.6 – Para 4.1, AD2 or UK Military AIP, shall be notified via NOTAM.
23. **ATS Provision above FL100.** This service is available to all aircraft flying outside Controlled Airspace in the UK FIRs between FL 100 and FL 190, and within active TRAs and is subject to Unit capacity. The Units providing this service together with their boundaries are depicted within the UK AIP on the chart ENR 6-12. ENR 1.6 (4.2) lists their hours of operation, the RTF operating frequency on which this service is normally provided and a telephone number for pre-flight contact. A FPL should be filed and include the following addresses:
- a. EGZYOATT Swanwick Mil (78 Sqn)
 - b. EGTTFZC Western Radar
24. Amendments to the published hours of availability, as listed in the UK AIP ENR 1.6 – Para 4.2, shall be notified via NOTAM.
25. Between the hours of 18:00 to 08:00 (local time) on a weekday, at any time on a weekend or during a UK public holiday, Swanwick Mil (78 Sqn) require at least two weeks prior notice in order to obtain an ATS in support of this task.
26. **Air-to-Air Refuelling Areas (AARAs).** For details of the AARAs see the UK AIP – ENR 5.2. Activation is by NOTAM, and when active, information can be obtained from Swanwick Mil.
27. **Danger Areas (DAs).** Access to any DA is subject to range requirements and access is not guaranteed. The sponsor is to engage with the DA Authority at the earliest opportunity to coordinate access, noting that access may only be possible outside notified operating hours.
28. **Non-SSR Gliding Areas.** The sponsor should exercise caution when operating in these areas, as gliders without transponders may be encountered up to FL195. For info see the UK AIP: *ENR 1.1 (Para 1.12), ENR 5.2 (NSGA) and ENR6-63.*
29. **Temporary Reserved Areas (TRA).** The sponsor is responsible for complying with the requirements for access to any TRA iaw the UK AIP – ENR 1.1 (Para 5.1.5).

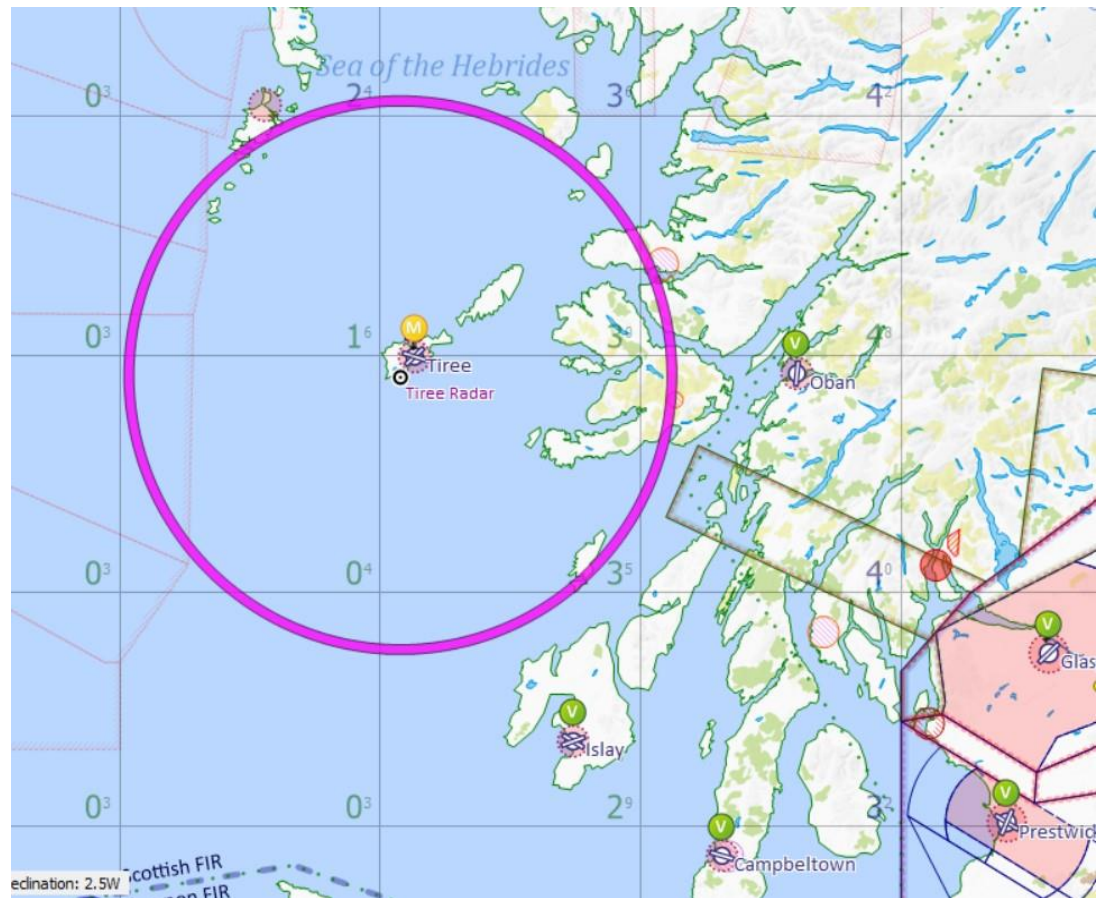
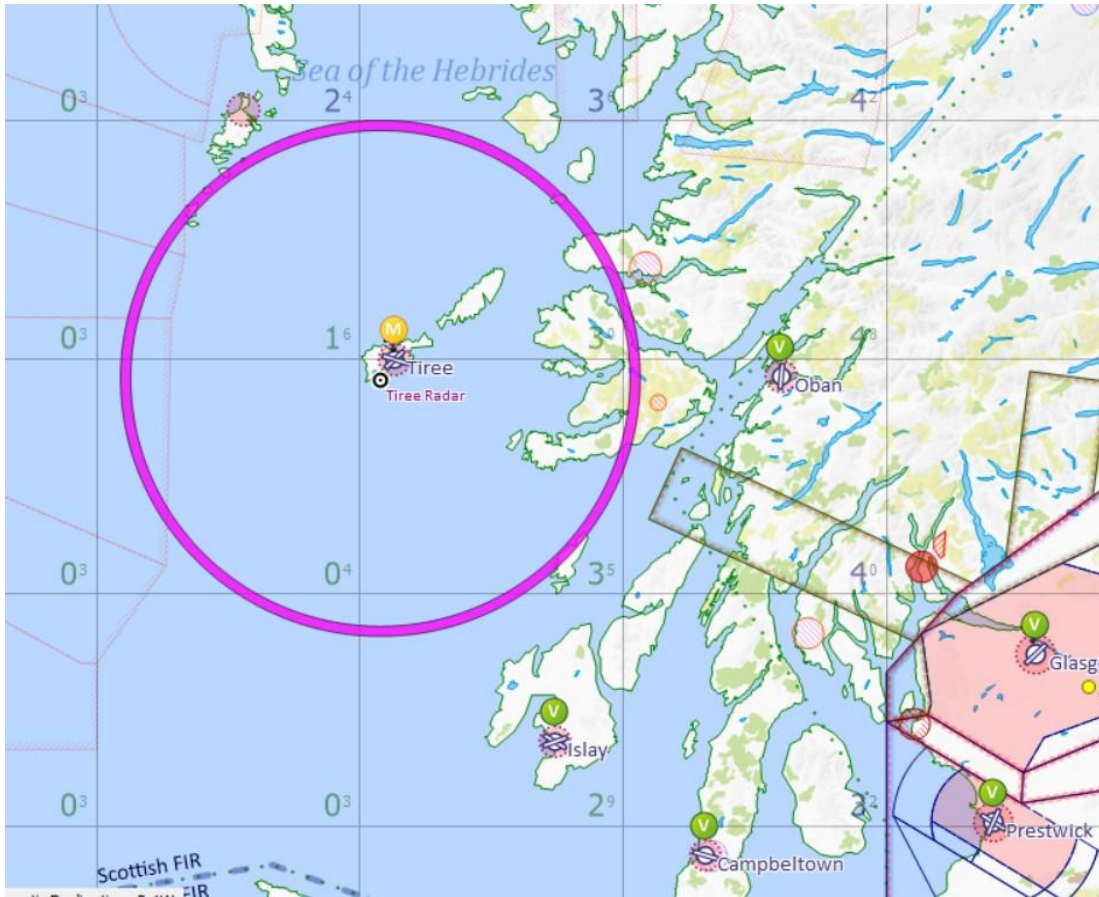
SECTION 3

Area of Operation

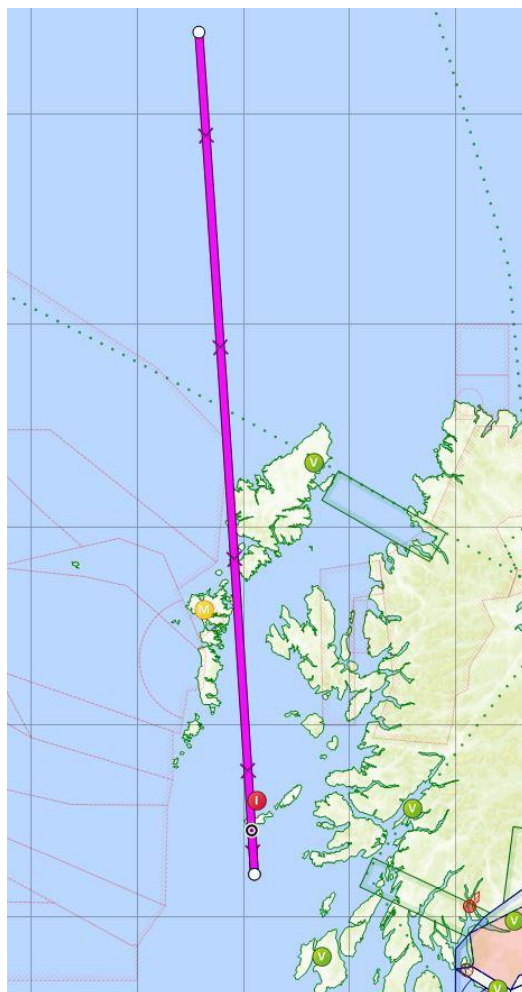
30. Charts highlighting the area of operation are shown below. These are for illustrative purposes only and not for operational planning.

Serial A1 – 30nm, 31.5nm or 34nm Orbit

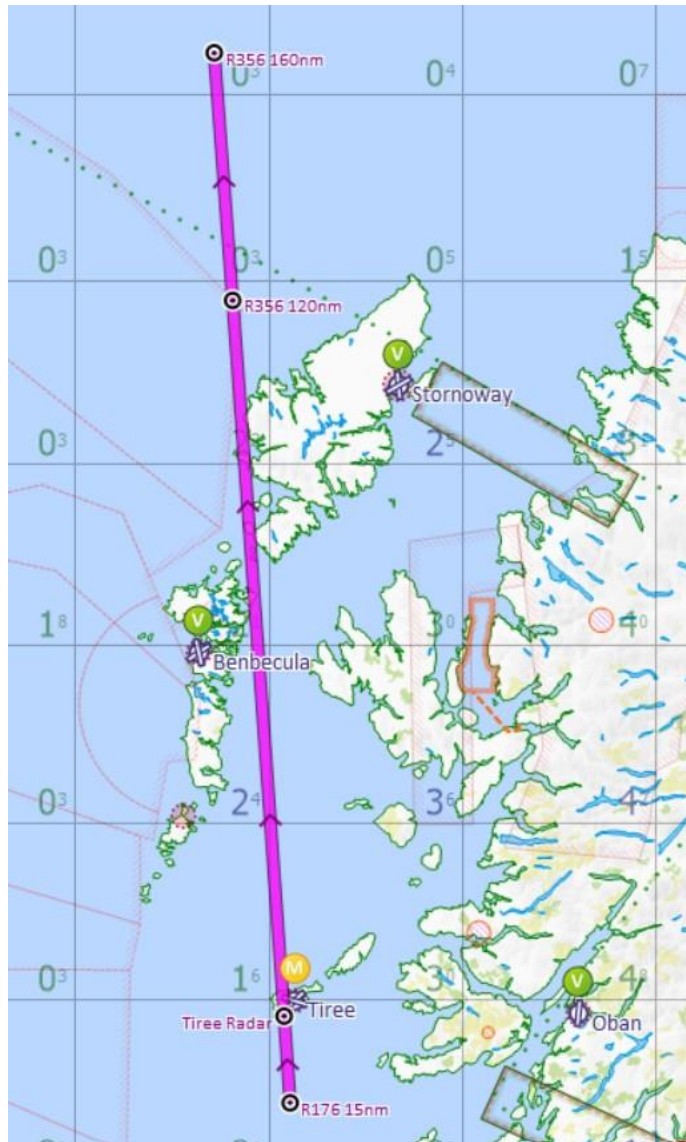




Serial A2 – R176, R356 and R176 to 15D and 250D



Serials A3 & A4 – R176, R356 and R176 to 15D and 160D



Serial A5 – R176, R356 and R176 to 15D and 120D

