



Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA
REPUBLIEK VAN SUID-AFRIKA

Vol. 579

Pretoria, 6 September 2013

No. 36833

**N.B. The Government Printing Works will
not be held responsible for the quality of
"Hard Copies" or "Electronic Files"
submitted for publication purposes**



AIDS HELPLINE: 0800-0123-22 Prevention is the cure

IMPORTANT NOTICE

The Government Printing Works will not be held responsible for faxed documents not received due to errors on the fax machine or faxes received which are unclear or incomplete. Please be advised that an “OK” slip, received from a fax machine, will not be accepted as proof that documents were received by the GPW for printing. If documents are faxed to the GPW it will be the sender’s responsibility to phone and confirm that the documents were received in good order.

Furthermore the Government Printing Works will also not be held responsible for cancellations and amendments which have not been done on original documents received from clients.

CONTENTS

INHOUD

No.	Page No.	Gazette No.	No.	Bladsy No.	Koerant No.
GOVERNMENT NOTICE			GOEWERMENTSKENNISGEWING		
Science and Technology, Department of			Wetenskap en Tegnologie, Departement van		
<i>Government Notice</i>			<i>Goewermentskennisgewing</i>		
670	Astronomy Geographic Advantage Act (21/2007): Notice of intention to declare Karoo Central Astronomy Advantage Areas	3	36833	670	Wet op Sterrekundige Geografiese Voordeel (21/2007): Kennisgewing van voorneme om die Karoo Sentrale Sterrekundige Voordeel Areas
				8	36833

GOVERNMENT NOTICE

DEPARTMENT OF SCIENCE AND TECHNOLOGY

No. 670

6 September 2013

DEPARTMENT OF SCIENCE AND TECHNOLOGY

NOTICE OF INTENTION TO DECLARE KAROO CENTRAL ASTRONOMY ADVANTAGE AREAS IN TERMS OF THE ASTRONOMY GEOGRAPHIC ADVANTAGE ACT, 2007.

In terms of sections 9(1) and (2) of the Astronomy Geographic Advantage Act, 2007 (Act No. 21 of 2007) (hereinafter referred to as "the Act"), I, Derek Hanekom, Minister of Science and Technology, hereby give notice of my intention to declare the areas described in the Schedule as the Karoo Central Astronomy Advantage Areas (AAAs).

Interested or affected persons are hereby afforded a further opportunity to submit written representations on or objections to the Schedule within sixty (60) days from the publication of this notice ("the closing date") to:

Ms Lipuo Mothae	Or
Dept of Science and Technology	Dept of Science and Technology
Building 53,CSIR Campus	Private Bag X894
Meiring Naude Road	Pretoria
Brummeria	0001
Pretoria	

Or

E mail address lipuo.mothae@dst.gov.za

Enquiries can be made at telephone number 012 843 6463

The Schedule to this notice is identical to the schedule to Notice 468 published in Government Gazette No. 36448 on 10 May 2013. All written representations which were submitted in response to Notice 468 will be duly considered. However, any person who has already made written representations thereon may submit additional written representations in response to this notice.

Please note that any written representations which are received after the closing date may be disregarded.

Any person submitting written representations who wishes to make an oral representation at a forthcoming public hearing (the details of which will be published in due course), must indicate this in their written representations.

Attention is drawn to Notice 649 of 2010 published in Government Gazette No. 33328 on 2 July 2010 in which interested and affected parties in the proposed core, central and co-ordinated AAAs as indicated in the schedule to that notice, are invited to register their details with the Department.

Attention is also drawn to the fact that once an area has been declared a central AAA, the Minister may –

- act to restrict and protect the use of radio frequency spectrum for radio astronomy purposes (for greater detail, see section 22 of the Act, which is available at the Department of Science and Technology website www.dst.gov.za/ in the navigation panel under "LEGISLATION" (click on it) and then under "Acts" (click on Acts) – Page 2 of 2 - Item no. 7 in the opened window;
- declare that no person may, within a central AAA, conduct certain activities (for greater detail, see section 23 of the Act);
- prescribe regulations to apply in core and central AAAs on national standards or measures for the control or minimisation of radio frequency interference, electromagnetic interference or any other activity (for greater detail, see section 37 of the Act); and
- make regulations concerning a range of issues (for greater detail, see section 50 of the Act).



DEREK HANEKOM
MINISTER OF SCIENCE AND TECHNOLOGY

SCHEDULE**1. Definitions**

In this notice any word or expression to which a meaning has been assigned in the Act shall have the meaning so assigned and, unless the context indicates otherwise:

"Polygon" means a closed plane figure bounded by straight lines; and

"WGS 84" means World Geodetic System dating from 1984 and last revised in 2004.

2. Scope of the declaration

This declaration applies to the Karoo Central Astronomy Advantage Areas described below which will be used for the purposes of radio astronomy and related scientific endeavours.

3. Description of the Karoo Central Astronomy Advantage Areas

- (1) The Karoo Central Astronomy Advantage Areas (Figure 1) consist of three partly overlapping areas with common inner boundaries that coincide with the outer boundaries of the Karoo Core Astronomy Advantage Area. The three areas have different outer boundaries that depend on the applicable propagation conditions for the different frequency bands specified, and other practical considerations.
- (2) The Karoo Central Astronomy Advantage Area 1 is the area between the boundaries of the Karoo Core Astronomy Advantage Area and outer boundaries in the form of a polygon for which the geographical coordinates according to the WGS 84 datum are provided in the table below. The area is limited to the boundaries of the Northern Cape Province at any point where the polygon may extend across the provincial border. This area will apply to radio astronomy observations in the frequency band from 100 to 2 170 MHz.

Point references: Karoo Central Astronomy Advantage Area 1	Latitude (degrees South)	Longitude (degrees East)
A 1	29.3500	18.8100
B 1	28.7800	20.9900
C 1	28.9100	21.6000
D 1	29.5200	22.0500
E 1	30.5900	23.4300
F 1	31.9600	22.2200
G 1	32.3700	20.9800
H 1	30.4100	19.0000

- (3) The Karoo Central Astronomy Advantage Area 2 is the area between the boundaries of the Karoo Core Astronomy Advantage Area and outer boundaries in the form of a polygon for which the geographical coordinates according to the WGS 84 datum are provided in the table below. This area will apply to radio astronomy observations in the frequency band from 2 170 to 6 000 MHz.

Point references: Karoo Central Astronomy Advantage Area 2	Latitude (degrees South)	Longitude (degrees East)
A 2	29.5100	19.6600
B 2	29.2200	21.6600
C 2	30.0800	22.7700
D 2	31.5100	22.6300
E 2	31.8200	20.6500
F 2	30.8100	19.5700

- (4) The Karoo Central Astronomy Advantage Area 3 is the area between the boundaries of the Karoo Core Astronomy Advantage Area and outer boundaries in the form of a polygon for which the geographical coordinates according to the WGS 84 datum are provided in the table below. This area will apply to radio astronomy observations in the frequency band from 6 000 to 25 500 MHz.

Point references: Karoo Central Astronomy Advantage Area 3	Latitude (degrees South)	Longitude (degrees East)
A 3	29.7900	20.4900
B 3	29.3400	21.8100
C 3	30.0800	22.7600
D 3	31.0600	22.5400
E 3	31.3800	21.4200
F 3	30.6800	20.1000

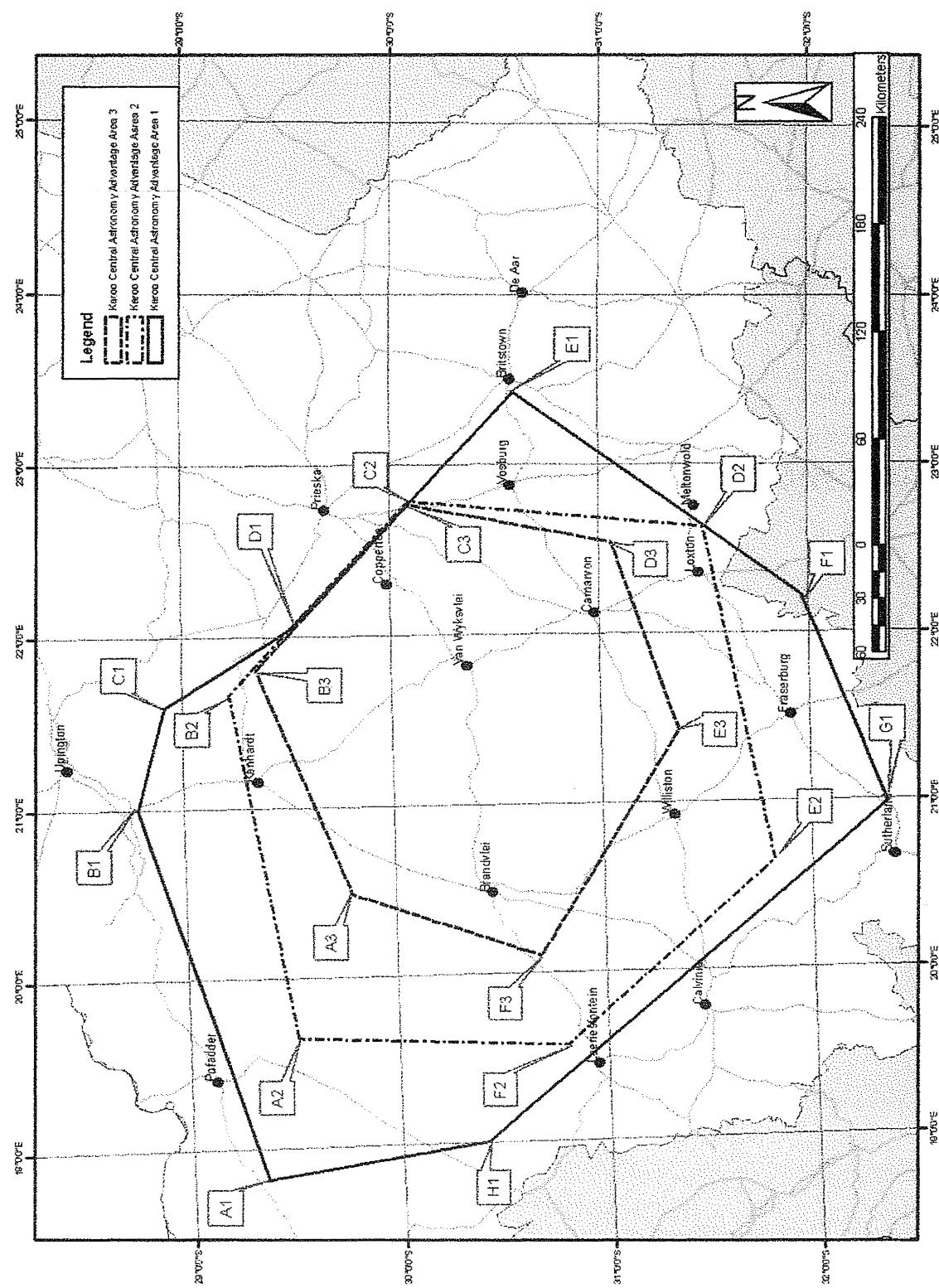


Figure 1: Karoo Central Astronomy Advantage Areas

No. 670

6 September 2013

DEPARTEMENT VAN WETENSKAP EN TEGNOLOGIE**KENNISGEWING VAN VOORNEME OM DIE KAROO SENTRALE
STERREKUNDIGE VOORDEEL AREAS TE VERKLAAR IN TERME VAN DIE
WET OP STERREKUNDIGE GEOGRAFIESE VOORDEEL, 2007.**

In terme van seksies 9(1) en (2) van die Wet op Sterrekundige Geografiese Voordeel, 2007 (Wet Nr. 21 van 2007) (hierna, na verwys as "die Wet"), gee ek, Derek Hanekom, Minister van Wetenskap en Tegnologie kennis van my voorneme om die areas te verklaar wat in die skedule beskryf word as die Karoo Sentrale Sterrekundige Voordeel Areas (SVAs).

Geïnteresseerde of geaffekteerde persone word hiermee 'n verdere geleentheid gebied om geskrewe vertoë op of besware teen die Skedule binne sestig (60) dae vanaf die publikasie van hierdie kennisgewing ("die sluitingsdatum") in te dien by:

Ms Lipuo Mothae	Of
Dept. van Wetenskap en Tegnologie	Dept. van Wetenskap en Tegnologie
Gebou 53, WNNR Kampus	Privaatsak X894
Meiring Naudeweg	Pretoria
Brummeria	0001
Pretoria	

Of

Epos adres lipuo.mothae@dst.gov.za
Navrae kan gemaak word by telefoonnummer 012 843 6463

Die Skedule tot hierdie kennisgewing is identies aan die skedule tot Kennisgewing 468 wat in Staatskoerant No. 36448 op 10 Mei 2013, gepubliseer is. Al die geskrewe vertoë wat in reaksie op Kennisgewing 468 ingedien is, sal behoorlik oorweeg word. Nietemin, enige persoon wat alreeds geskrewe vertoë daarop gemaak het, mag addisionele vertoë indien in reaksie op hierdie kennisgewing.

Neem asseblief kennis dat enige geskrewe vertoë wat laat ontvang word, na die sluitingsdatum, veronagsaam sal word.

Enige persoon wat geskrewe vertoë indien en 'n mondelinge vertoog by 'n toekomstige openbare verhoor wil maak (die besonderhede sal mettertyd gepubliseer word), moet dit in hulle geskrewe vertoë aandui.

Aandag word gevvestig op Kennisgewing 649 van 2010 in die Staatskoerant No. 33328 op 2 Julie 2010 gepubliseer waarin geïnteresseerde of geaffekteerde partye in die voorgestelde kern, sentrale en gekoördineerde SVAs soos aangedui in die skedule by daardie kennisgewing, uitgenooi is om hulle besonderhede by die Departement te regstreer.

Aandag word ook gevestig op die feit dat nadat 'n area as 'n sentrale AAA verklaar is, mag die Minister:

- Optree om beperking en beskerming op die gebruik van die radio frekwensie spektrum vir radio sterrekundige doeleinades voor te skryf (vir meer besonderhede, kyk in seksie 22 van die Wet, wat beskikbaar is op die Departement van Wetenskap en Tegnologie se webwerf www.dst.gov.za/ in die navigasiepaneel onder "Legislation" (klik op dit) en dan onder "Acts" (klik op Acts) – bladsy 2 van 2 – Item no.7 in die geopende venster;
- Verklaar dat geen persone, binne 'n sentrale SVA, sekere aktiwiteite mag onderneem nie (vir meer besonderhede kyk in seksie 23 van die Wet);
- Regulasies voorskryf om binne kern en sentrale SVAs van toepassing te wees om nasionale standarde en maatreëls vir die beheer en minimalisering van radio frekwensie steuring, elektromagnetiese steuring of enige ander aktiwiteit (vir meer besonderhede, kyk in seksie 37 van die Wet); en
- Regulasies maak betreffende 'n reeks van kwessies (vir meer besonderhede, kyk in seksie 50 van die Wet).



DEREK HANEKOM
MINISTER VAN WETENSKAP EN TEGNOLOGIE

SKEDULE

1. Definisies

Enige woord of uitdrukking in hierdie kennisgewing waaraan 'n betekenis in die Wet toegeken is, het die betekenis so toegeken tensy die konteks andersins aandui:

"Veelhoek" beteken 'n geslote plat figuur met reguit lyne verbind; en

"WGS 84" beteken die "World Geodetic System" in 1984 tot stand gebring is en laas in 2004 gewysig is.

2. Trefwydte van die verklaring

Hierdie verklaring is van toepassing op die Karoo Sentrale Sterrekundige Voordeel Areas soos hieronder beskryf wat vir die doeleindes van radio sterrekunde en verbandhoudende wetenskaplike ondernemings gebruik sal word.

3. Beskrywing van die Karoo Sentrale Sterrekundige Voordeel Areas

- (1) Die Karoo Sentrale Sterrekundige Voordeel Areas (Figuur 1) bestaan uit drie gedeeltelik oorvleuelende areas met gemeenskaplike binne grense wat ooreenstem met die buitegrense van die Karoo Kern Sterrekundige Voordeel Area. Die drie areas het verskillende buitegrense wat afhang van die toepaslike voortplantingstoestande vir die verskillende frekwensie bande gespesifieer en ander praktiese oorwegings.
- (2) Die Karoo Sentrale Sterrekundige Voordeel Area 1 is die area tussen die grense van die Karoo Kern Sterrekundige Voordeel Area en buite grense in die vorm van 'n veelhoek waaroor die geografiese koördinate volgens die WGS 84 gegewens in die tabel hieronder verstrek word. Die area is beperk tot die grense van die Noordkaap Provinsie by enige punt waar die veelhoek die grense van die provinsie mag oorskry. Die area is van toepassing op radio sterrekundige waarnemings in die frekwensie band van 100 tot 2 170 MHz.

Punt verwysings: Karoo Sentrale Sterrekundige Voordeel Area 1	Breedtegraad (grade Suid)	Lengtegraad (grade Oos)
A 1	29.3500	18.8100
B 1	28.7800	20.9900
C 1	28.9100	21.6000
D 1	29.5200	22.0500
E 1	30.5900	23.4300
F 1	31.9600	22.2200
G 1	32.3700	20.9800

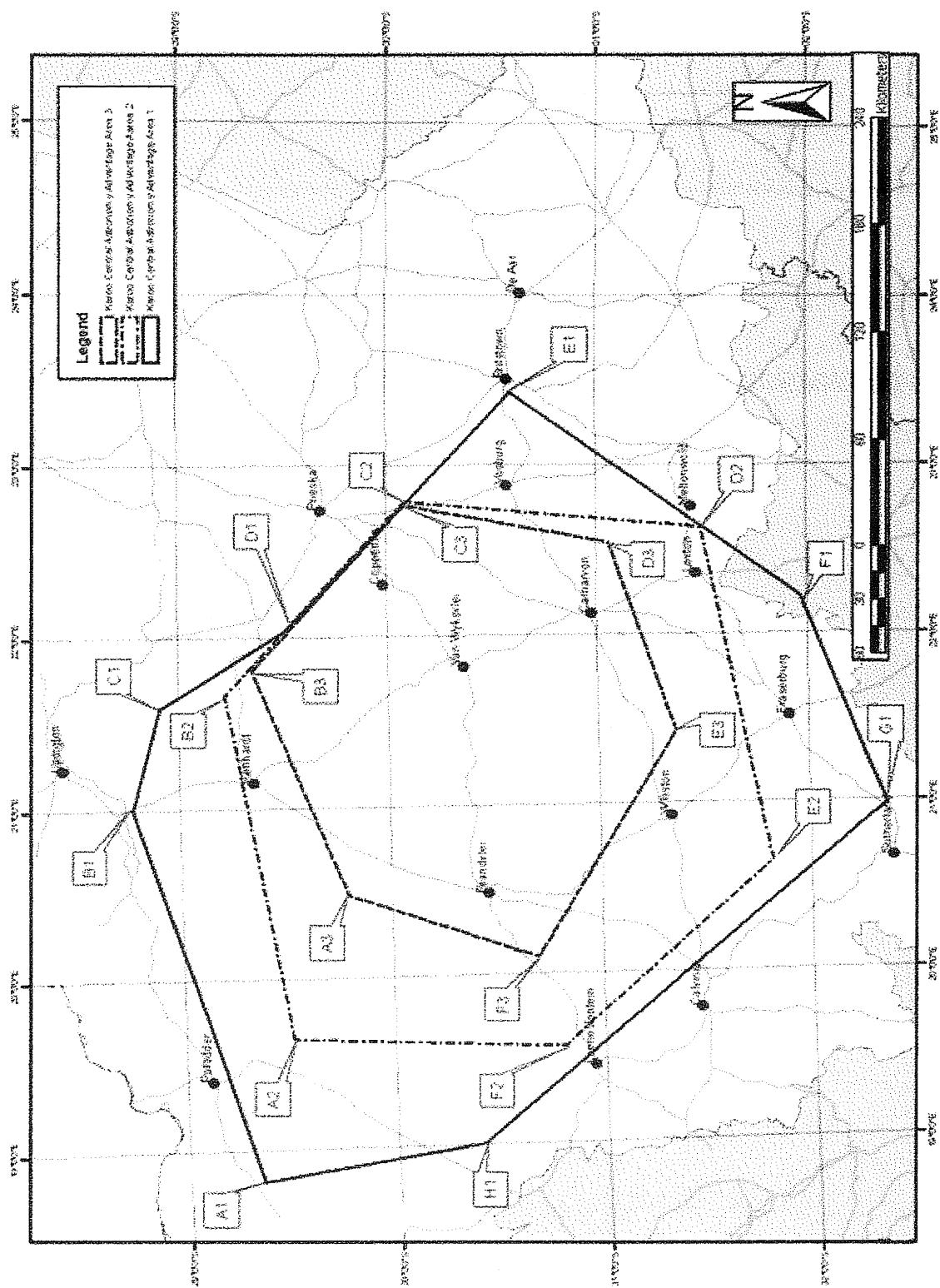
H 1	30.4100	19.0000
-----	---------	---------

(3) Die Karoo Sentrale Sterrekundige Voordeel Area 2 is die area tussen die grense van die Karoo Kern Sterrekundige Voordeel Area en buite grense in die vorm van 'n veelhoek waarvoor die geografiese koördinate volgens die WGS 84 gegewens in die tabel hieronder verstrek word. Die area is van toepassing op radio sterrekundige waarnemings in die frekwensie band van 2 170 tot 6 000 MHz.

Punt verwysings: Karoo Sentrale Sterrekundige Voordeel Area 2	Breedtegraad (grade Suid)	Lengtegraad (grade Oos)
A 2	29.5100	19.6600
B 2	29.2200	21.6600
C 2	30.0800	22.7700
D 2	31.5100	22.6300
E 2	31.8200	20.6500
F 2	30.8100	19.5700

(4) Die Karoo Sentrale Sterrekundige Voordeel Area 3 is die area tussen die grense van die Karoo Kern Sterrekundige Voordeel Area en buite grense in die vorm van 'n veelhoek waarvoor die geografiese koördinate volgens die WGS 84 gegewens in die tabel hieronder verstrek word. Die area is van toepassing op radio sterrekundige waarnemings in die frekwensie band van 6000 tot 25500 MHz.

Punt verwysings: Karoo Sentrale Sterrekundige Voordeel Area 3	Breedtegraad (grade Suid)	Lengtegraad (grade Oos)
A 3	29.7900	20.4900
B 3	29.3400	21.8100
C 3	30.0800	22.7600
D 3	31.0600	22.5400
E 3	31.3800	21.4200
F 3	30.6800	20.1000



Figuur 1: Karoo Sentrale Sterrekundige Voordeel Areas

Printed by and obtainable from the Government Printer, Bosman Street, Private Bag X85, Pretoria, 0001

Publications: Tel: (012) 334-4508, 334-4509, 334-4510

Advertisements: Tel: (012) 334-4673, 334-4674, 334-4504

Subscriptions: Tel: (012) 334-4735, 334-4736, 334-4737

Cape Town Branch: Tel: (021) 465-7531

Gedruk deur en verkrygbaar by die Staatsdrukker, Bosmanstraat, Privaatsak X85, Pretoria, 0001

Publikasies: Tel: (012) 334-4508, 334-4509, 334-4510

Advertensies: Tel: (012) 334-4673, 334-4674, 334-4504

Subskripsies: Tel: (012) 334-4735, 334-4736, 334-4737

Kaapstad-tak: Tel: (021) 465-7531