

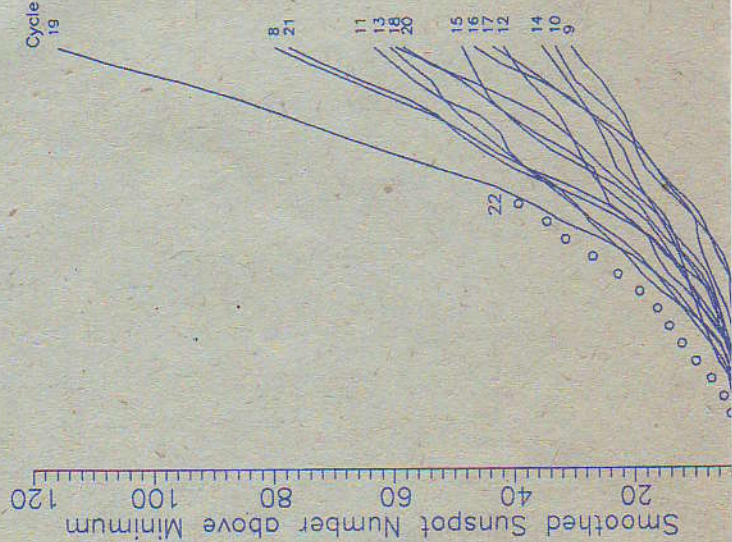
Berlin * DDR * 1160

DX*CLUB

INFORMATION



Rise of Solar Cycle 22 compared to previous Cycles



Galliana Gandia,EA; Johan Plomp,PA; David Agiobu,5N; Michael Clauss,DL; Sergio Calderon,JU; Frank Fuhrmann,DL; S. Murali Mohan,VU; Martin Stei,DL; Luis Gese Sabate,EA; Karl Bauer,OE; Elias Abu,5N; Raymond Mercelis,ON; Meher Mohamed Seyed Hamouda,5U; Mark Bullimore,G; Achim Brückner,DL; K.R. Shankar,VU; Ernst Schreiner,OE; Uwe Jordan,DL; Sam M. Nwaogugwu,5N; Kenneth Picton,G; Jerome Motté,F; Konrad Kärch,DL; Thorsten Scherf,DL; Anton Lukaacs,DL; Herbert Mertens,DL; Michael Buße,DL; Patrick Nesbitt,G; Sander J. Rabinowitz,W; Vladimir Tsurikov,U; Horst M. Carduck,DL;

H10ORBI

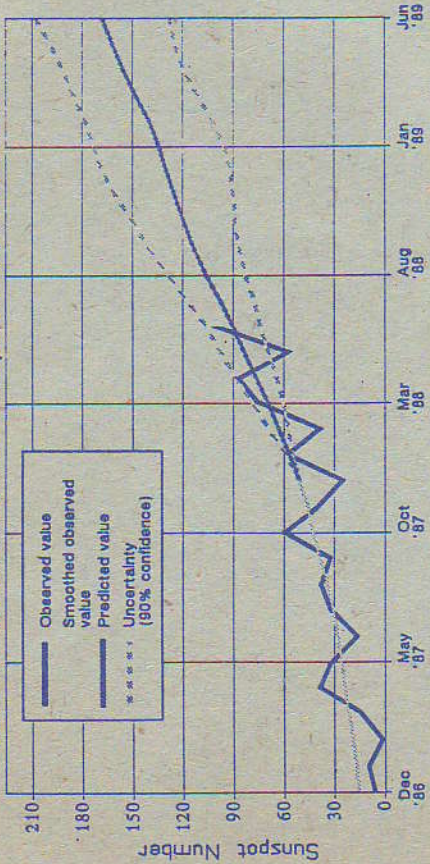
Amit Loiwal,VU; Mick Horsfield,G; al-Hakim Kaddouri Abd,7X; Tor Ew. Dellingerath,IA; Abdesslam El Berkaoui,CN; Marek Kuzio,SP; P. Varma,VU; Dieter Maldener,DL; Mrinal Talukdar,VU; Klaus Pillath,DL; R. Ilango,VU; William A. Mathews,W; J. Prabakar,VU; Alexei I. Potapov,U; Zohair Boussehmel,7X; Thomas B. Payne,G; S. C. Tamizharasu,VU; Wolfgang Schenk,DL; Yasmin Mumtaz,VU; D.P. Fritzegerald,G; N. Suriya,VU; Gisbert Kömer,DL; Ahmed Sidi,7X; K. W. Watson,G; Javier Torres Lacalle,EA; Arnaud Crouzier,F; T. D. Dinesh,VU; Peter Jos. Debie,DL; Faycal Ben Salem,3V; Gian Paolo Ruffatti,I; T. N. Sudarajan,VU; Andreas Kranz,B.; Joydeep Chatterjee,VU; Egon Schermer,DL; Natesh Kannan B.,VU; Claus-Peter Gries,DL; K. Ram Kumar,VU; Alain Mangeonjean,F; Omar Rezougui,7X; Rolf Malmgard,SM; Ivan Iema Gonzalez,HK; Raymond J. Heinen,W; Shaban Abdel Sattar Metwaly,SU; Henry Kok,PA; Rajiv Jain,VU; Alfred Knape,DL7; Belaïd Baali,7X; Cristlian Mocanu,YO; Fernando Perea Pereyra,EA; Johann Daniel,VK; K. Sridhar,VU; Georges Avice,F; Mario Enrique Muñoz,IU; Paolo Lombardi,I; Ramanou Macauley,5V; S. H. Scheper,PA; Khaleel R. Shareef,VU; John Watt,VE; Kushal Chand Lakhotia,VU; Matthias Schenk,DL; Umesh Kumar,VU; David F. Wratten,G; Kishi Kumar Sharma,VU; Wolfgang Lemke,DL7; Hirofumi Yamaguchi,JA; Patrick E. Travers,G; Suparto,YB; Franz Kaessl,DL; de Paula Maia Oliveira,PY; Arvid Sland,IA; Ashraful Islam,S2; David F. Wratten,G; Jose Javier Cabezero Zamora,EA; Michael Gerke,W; Chakib Laalj,CN; Günter Przechlewski,DL; Eudson Monteiro de Lima,PY; Frans Printemps,ON; Iliyasu Abubakar,5N; Ralf Nußbaum,DL; John E. Bear,VK; Grigory Gorozhankin,U; Daniel O. Seibel,IU; Georges Avice,F; Subhara Chatterjee,VU; Paolo Lombardi,I; Dharmendra R. Saradva,VU; Achim Brückner,DL; Nelson J. D'Souza,VU; Rajat Kumar,VU; Albert A. Smith,G; Goubi Hassan,CN; Lucien Loesch,IX; Riouchi Hassen,CN; Günter Langer,DL; K.Arun Shenoy,VU; Manju Chapegaing,VU; Günther Kraus,DL; L. K. Pandya,VU; Ek Dev Bhattacharai,VU; Ajibade Jimoh,5N; Dalendra Rai,VU; S. Sankar,VU; Gary Christopher Garnier,VU;

H25ORBI

Shakid Masud,AP; Heinz u. Lizi Haring,OE; Tarik Hasan Shafeen, S2; Manfred Seibt,DL; Clara Andrade,IU; Ciro Capotorto,I; S. Moses Vasanthan,VU; Jay Kumar Jha,VU; Dieter Maldener,DL; Mitsuki Mizuno,JA; N. Geetha,VU; Stanislav Kiselev,U; S. Ramasubramanian,VU; Kenneth Steele,G; Thangam Natarajan,VU; Oscar Naranjo Chavez,HC; Luigi Graziani,I; Mohamed/Hachmi,CN; Wilhelm Gebner,DL; Hussien Ahmad Ahmad,5A; Idris el-Morabit,CN; Maurice Andries,ON; Nejib Harbit,3V; Amkhaou Lahcen,CN; Bharatkumar H. Sharma,VU; Santosh Kumar Jha,VU; Andreas Kranz,DL; Jai Kumar Jha,VU; P. Natarajan,VU; Karsten Regenstein,G; P. Saravana Kanth,VU; Madhula Devi,VU; Karsten Hoch,DL;

0 376 12 818 24
Months after Minimum (Sep 86)

SESC 18-Month Smoothed Sunspot Number Prediction



Certificate Hunters (list ctd.)

H50RBI
Rune Berg, LA; Fathy Ahmed Ahmed, SU; Herbert Aichele, DL; Liliiana Beatriz Ramirez Jahns, LU; Roland Wollweber, DL; Marcelino Gonzalez Blasquez, EA; Erminio Francesc, I; Stephen Wijesekara, 4S; Frank Merschhaus, DL; R. Prasen Vyas, VU; Josef Grellinger jr., OE; Samir Abidi, 3V; Rudolf Seidl, OE; Vivek V. Kanzarkar, VU; Jan Harkes, PA; Saji E. Thomas, VU; Thierry Danigo, F; Md. Soleyman Miah, S2; Robert Taylor, G; Garba Baji Abdullahi, 5N; Karl Zimmermann, DL; R. Ravi Ganesh, VU; Alfred Zimmerler, HB; A. Raghavan, VU; Marcel de Rooock, ON; Esmay Azem, S2; Donato Ferraresi, I; Abdel Rahman Rakh, 7X; Rini de Weijze, PA; Md. Zakir Hossain, S2; Arne Christensen, OZ; Peggy Tan, 9M; John Watt, VE; Gagan Khanna, VU; Erich Schmörlzer, OE; Muhammad Akbar Khan, VU; Stefan Sahlin, SM; Apurba Kumar Pal, VU; Klaus Bröde, DL; P. Duryodhana, VU; Ingo Sucholtz, DL; Suresh Kumar Khatri, VU; Franz Lackinger, OE; A Giri, VU; Alfred Pöhlng, DL; Arpaul Singh Rehal, VU; Nikolai Rudnev, U; Denis Pichiliani, PY; Christian Pietschmann, DL; Vasilij Spearin, U; Joseph Klemann, DL; Surendra Singh Chauhan, VU; Clifford A. Tooke, G; Moustapha Bentchich, 7X; Jean-Charles Guichard, F; Daria Yma St. Hill, 9Z; Gerhard Ciurka, DL; Sandip Das, VU; Vladislav N. Antonov, U; Dipankar Talukdar, VU; Jürgen Pessel, DL; Moustapha Ben Ali Garibi, 3V; Cerd Jehle, DL; Liasu Jibrilla, TU; David W. Pennefather, EI; Henry Language, EA; Lothar Pohl, DL; R. S. Rajesh, VU; Gerhard Schuler, DL; Sunil Furtado, VU; Hans-Jochen Schümann, DL; Salvador

Surender Kumar Kalra, VU; R. S. Subash Chandran, VU; Ciro Capotorto, I; Khaled Moualkia, 7X; Mabil Bouras, 7X; Otto Beutel, DL; Biswajit Kalita, VU; Amancio A. Cardoso Leitao, CT; Laura Gliens, G; T. Sateesh Kumar, VU; Pardeep Kumar, VU; Christian Himmelsbach, OE; Ramon Musons Soler, EA; Moustapha Bentchich, 7X; Ajay Kumar, VU; Oreste Albini, I; Subhra Chatterjee, VU; N. Suriya, VU; Arturo Gurzoni, I; Chandan Swami, VU; Baidyanath Upadhyaya, VU; Aldo Galgano, I; Bharti Kumari, VU; Prof. Malkiat Singh Dhoat, VU; Messaoud Berroaune, 7X; William A. Matthews, W; Jorge Alberto Barbiero, IU; Auvo Liimakka, DL; Juan Carlos Moro Hernandez, CM; V. Venkataraman, VU; Michael Grill, DL; Suresh Singh Chauhan, VU; Maike Kurpisch, DL; Allen Dyk, VK.

H500RBI

Sitangshu Mowli Mazumder, S2; Werner Eisele, DL; Krishna Kumar Jaiswal, VU; R. Shreedhar, VU; Volker Willschrey, DL; Sunil Kumar Singh, VU; Winfried Le Bour, F; Pratap Singh Sandhu, VU; Jürgen Zerm, DL; G. V. Rama Swamy, VU; Andrzej Gaweda, SP; Kalu Ram Saharan, VU; Jose Luis Salaverria Gomez, EA; Neville Kerrigan, VK; Manfred Tesch, DL; D. Bhushan Kumar, VU; Manohar Lal Gilla, VU; Heinz u. Lizi Haring, OE; David Martin, VK; Heiner Finkhaus, DL; Miquel Garcia i Sangra, EA; B. Thiruganasambandam, VU; Gerhard Lehrig, DL; Sudhir Kumar Jha, VU; Manfred Seibt, DL; Refael Lopez Lopez, CM; Alan Noble, G; Lokesh Kumar, VU; Wolf-Dieter Klink, DL; Rajendra Kumar Swarnkar, VU; Pascal Mandin, F; Maria Paz Perez de la Cruz, EA; Börje Nilsson, SM; Jitendra Kumar Jindal, VU; Meic Shepherd, G; Bhupinder Juneja, VU; Dieter Maldener, DL; Naresh Kumar Goel, VU.

H1000RBI

Prasun Kundu, VU; T. Elampoornan, VU; Mike Styles, G; Inderjeet Munjal, VU; Ben Aneur Azzouz, 7X; Mohamed Bachir, CN; Rajender Tutlani, VU; Peter Herrmann, DL; Sajjan Soman, VU; William Carl Grosser, VK; Abdellatif Frimi, CN; Manish Chandra Kar, VU; Kumar Radha Raman Kanth, VU; Henrik Karl Nielsen, OZ; Vivek Kumar Chadha, VU; G. R. Prahlada, VU; Ewald Bartunek, OE; Raj Kumar, VU; N. Ravichandran, VU; Vishnu Kant Sarwarria, VU; Dr. McD Emslie, G.

H1500RBI

Ravi Kanneganti, VU; Oleg Panko, U; Kanchan Kr. Chatterjee, VU; P. N. Dougal, VU; Mauro Lopiano, I; Seeman Saeed, AP; Puneet Chawla, VU; T. K. Soundara Rajan, VU; Harald Riedel-Taschner, OE.

H2000RBI

Hem Raj Tutlani, VU; Vladimir Gudzenko, U; Ranjib Kumar Sarkar, VU; Manfred Seibt, DL; Shashi Pal Munjal, VU; Alan Noble, G; Matthew Mrefe Akpotu, 5N; Wolf-Dieter Klink, DL; Pascal Mandin, F.

H3000RBI

Vladimir Efimov, U; Peter Svarc, OE.

Congrats!

UA00 Far East + KH6 Hawaii + 7P Lesotho + LU Argentina + VU India + ZL New Zealand via East via West + W2 North America East + W6 North America West via West + Local