

## Swedish Space Research Programme 2003

### INCOME

**Firm SRAC budget for 2003** **45 500 kkr**

### COSTS

	Grant	Overhead (30%)	Total
<b>Basic funding of research groups</b>			
Project grants decided 2 years ago	1 360	408	1 768
Project grants decided 1 year ago	2 725	818	3 543
Proposed new project grants	25 210	7 563	32 773
<b>Sum:</b>	<b>29 295</b>	<b>8 789</b>	<b>38 084</b>
<b>Other firm allocations</b>			
Three Odin PhD positions	900	270	1 170
Reserve (at disposal of SRAC secretary)	300	0	300
Odin operations (earmarked)	3 000	0	3 000
Programme support at SSC	200	0	200
Management support at SSC for HIFI (124/02)	300	0	300
<b>Sum:</b>	<b>4 700</b>	<b>270</b>	<b>4 970</b>
<b>Provisional allocation</b>			
Pamela ground station in Sweden (84/01), maximum	1 000	0	1 000
<b>Sum:</b>	<b>1 000</b>	<b>0</b>	<b>1 000</b>
<b>SUM (kkr):</b>			<b>44 054</b>

**Minimum remaining SRAC budget:** **1 447 kkr**

#### Candidate projects for remaining budget (to be evaluated by SRAC during 1st half of 2003)

Olofsson (113/02), MIRI filters for JWST  
Schweitz (131/02), NanoSpace 1  
Stasiewicz (106/02), ISS-Radio  
Stegman (98/02), Magic sounding rocket  
Thidé (95/02), Nano-sat and AIM  
Further studies of prime candidates for national satellite programme

#### Candidate projects for funding outside the SRAC budget

Fuglesang (76/02)  
Seetharaman (106/02)  
Tesch (75/02)

# Funding of Individual Research Groups

(All figures below are given excluding overhead)

## Atmospheric Physics

Principal applicant	Dnr	Project title	Grant 2003
Kirkwood Sheila	79/02	HIRTA: High Resolution Trace-gases and Aerosols	100
Murtagh Donal	118/02	Global Environment	1 572
Stegman Jacek	98/02	Studies of the Middle Atmosphere	1 180

## Space Physics

Principal applicant	Dnr	Project title	Grant 2003
André Mats	90/02	Research in Space Plasma Physics	2 768
Barabash Stanislav	71/02	Plasma physics of the solar system	3 000
Lundstedt Henrik	121/02	Solar activity and space weather	651
Marklund Göran	91/02	Research in Space Plasma Physics	2 788
Opgenoorth Hermann	93/02	Magnetospheric Physics using Cluster, future ILWS Satellite Missions and Ground-Based Instrument Works	657
Sandahl Ingrid	81/01	Plasma studies	1 419
Stasiewicz Kristof	96/01	Analysis and Visualization of Space Measurements	370

## Astronomy

<b>Principal applicant</b>	<b>Dnr</b>	<b>Project title</b>	<b>Grant 2003</b>
Belitsky Viktor	73/02	FIRST HIFI Beam Measurement Range	<b>1 800</b>
Bengtsson Stefan	126/02	Microanalyses of microfossils on Earth - Preparation for ancient Earth studies and for sample return from Mars	<b>450</b>
Bergvall Nils	97/02	Galaxy formation and cosmic reionization	<b>65</b>
Carlson Per	84/01	Astroparticle Physics in Space	<b>390</b>
Eriksson Kjell	139/00:2	Studies of stellar atmospheres using satellites	<b>225</b>
Fransson Claes	107/01	Supernovae	<b>270</b>
Goobar Ariel	72/02	The Nature of Dark Energy and Dark matter: satellite observations of high-z supernovae	<b>260</b>
Hjalmarson Åke	122/02	Odin - Astronomy	<b>1 660</b>
Holm Nils	75/01	Synthesis and characterisation of peptides encoded by self-assembled monolayers on nucleic acid bases adsorbed on mineral surfaces: Relevance to pre-RNA information processing and the origins of life	<b>176</b>
Johansson Sveneric	85/00	Participation in space observations and evaluation of data from HST	<b>320</b>
Lindgren Lennart	117/00	Astrophysical space using Hipparcos and GAIA	<b>815</b>
Merkel Harald	124/02	Hot Electron Bolometric Mixers for the HERSCHEL payload	<b>1 750</b>
Olofsson Göran	114/02	Experimental space research for studying star formation and the interstellar medium	<b>2 672</b>
Olofsson Hans	111/02	AGB-stars and their circumstellar envelopes	<b>350</b>
Rickman Hans	64/02	Studies of Small Bodies in the Solar System	<b>528</b>
Svensson Roland	105/02	High Energy Astrophysics	<b>734</b>
Östlin Göran	112/02	Galaxy Evolution/HST	<b>360</b>

## Physiology

Principal applicant	Dnr	Project title	Grant 2003
Linnarsson Dag	125/02	Pulmonary and cardiovascular effects of gravity and weightlessness	1 200

## Material Sciences

Principal applicant	Dnr	Project title	Grant 2003
Carlberg Torbjörn	86/02	Crystal Growth during Microgravity	540

## Space Technology

Principal applicant	Dnr	Project title	Grant 2003
Brenning Nils	93/01	Diagnostic and modelling in the VASIMR plasma rocked prototype	100
Tennfors Einar	92/02	Radio frequency theory and modelling for the VASIMR	125

