

MSSL Solar Group – PDRA Project Management Sheet
2009/10 Academic Year

Louise Harra – April 2010

a) Current Project List:

| Project Code | Title/Short Project Description | Mission data used current) or future mission foundation | Project Type | | Current Stage (Percent Complete)* | | | Time to Completion* |
|--------------|---|---|--------------|--------------------------------------|-----------------------------------|----------|----------|---------------------|
| | | | Role | Collaborator | Pilot | Analysis | Write-up | |
| LKH01 | 13 th December magnetic cloud | Hinode, ACE, SOHO. Foundation for SO through linkage of RS and in situ. | L | Cristina Mandrini, Serio Dasso. IAFE | 100% | 95% | 60% | 1 Month |
| LKH02 | outflows in EIS related to in situ data | Hinode, ACE, STEREO Foundation for SO. | SI | Andrew F and Lidia v. | 100% | 90% | 60% | 1 Month? |
| LKH03 | coronal hole outflows related to magnetic fragments | Hinode | SE | Tsuneta-san, Ito-san | 100% | 20% | 0% | 6-12 Months |
| LKH04 | preflare non-thermal velocity. | Hinode | SI | David W. | 20% | 0% | 0% | 12 Months |
| LKH06 | Helioseismology of CHs | Hinode, SOHO | SI | Sergei Zharkov | 100% | 30% | 0% | 6-12 Months |
| LKH07 | Image deconvolution of velocities | Hinode, TRACE | SI | Jian Sun | 100% | 50% | 0% | 6-12 Months |

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|-------|---|--------|----|--|------|-----|-----|----------|
| LKH08 | Emerging flux – linking simulations and obs | Hinode | SE | Vasilis Archontis, Alan Hood, Ehsan etc. | 100% | 10% | 0% | 6mnths |
| LKH09 | LCT of monopolar footpoint regions in active regions and non-thermal velocity | Hinode | SE | Santiago/Harasan | 100% | 30% | 0% | 12 Mnths |
| LKH11 | Emerging flux – quiet Sun fragments/flows with simulations | Hinode | SE | Caroline (UCLAN), Viggo etc. | 50% | 10% | 10% | 6 mnths |

(L = Lead Project, SI = Support Internal, SE = Support External; * = Estimated)

b) Impediments to progress:

| Project Code | Impediment | Suggested/Required Solution | |
|--------------|--|--|------|
| | | Action Required | By: |
| LKH02 | Mission related issues get in the way with Faz and myself! | Find free time to hide away. | LKH |
| LKH03 | Need to spend time with collaborators | Applied for RS funding. | LKH |
| LKH07 | Need good examples of strong flows in active regions with slot data and good TRACE data (or SDO when it is launched) | Find a good example of flaring in an AR with slot data – an example has been found by Ignacio. | All! |

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c) Completed projects for last month:

| Project Code | Project Title | Product |
|--------------|--|----------------|
| LKH00 | Emerging flux paper – addressed referee’s comments | Paper accepted |
| LKH05 | Coronal dimming | Paper accepted |

d) Proposed New Projects:

| Project Code | Project Title/Summary | Project Type | | Time to Completion* |
|--------------|--|--------------|---------------------------|---------------------|
| | | Role | Collaborator | |
| LKH10 | Long term evolution of the solar disk, outflows and in situ data | SE | Duncan MacKay, Faz, Lidia | 2 years |

e) Deadlines (Abstracts, Conferences, Manuscripts, etc.)

| Project Code | Deadline | Travel Approval Obtained (if applicable) |
|--------------|--|--|
| LKH01 | 19 th Feb COSPAR abstract submission – 2 abstracts submitted. | |