



nsdm\_glbl: number of global grid blocks

R:	cell_max = 2 + 10 * level_max 2**(2*level_max)		sbdm_iota nsdm_glbl = 10*2**(2*sbdm_iota))										
			0	1	2	3	4	5	6	7	8		
			10	40	160	640	2560	10240	40960	163840	655360		
5	10242												
6	40962	1024	256	64	16	4	1	0.25	0.0625	0.015625			
7	163842	4096	1024	256	64	16	4	1	0.25	0.0625			
8	655362	16384	4096	1024	256	64	16	4	1	0.25			
9	2621442	65536	16384	4096	1024	256	64	16	4	1			
10	10485762	262144	65536	16384	4096	1024	256	64	16	4			
11	41943042	1048576	262144	65536	16384	4096	1024	256	64	16			
12	167772162	4194304	1048576	262144	65536	16384	4096	1024	256	64			
13	671088642	16777216	4194304	1048576	262144	65536	16384	4096	1024	256			
No. cells per grid block													

physics\_mode = enabled  
 io\_config\_file = ZGrd.CP.lyr.fcfg  
 restart\_interval = 0  
 Number of grid variables = 16  
 Number of field variables = 38  
 km = 256  
 nsdm: number of blocks per process

			level_max								
im x jm malloc/proc		nsdm	5	6	7	8	9	10	11	12	13
PEs	20	2	18x18 249 MiB	34x34 872 MiB	66x66 OOM						
	40	1	18x18 125 MiB	34x34 438 MiB	66x66 OOM						
	80	2		18x18 250 MiB	34x34 874 MiB	66x66 OOM					
	160	1		18x18 126 MiB	34x34 383 MiB	66x66 OOM					
	320	2			18x18 252 MiB	34x34 877 MiB	66x66 OOM				
	640	1			18x18 128 MiB	34x34 386 MiB	66x66 OOM				
	1280	2				18x18 266 MiB	34x34 898 MiB	66x66 OOM			
	2560	1				18x18 142 MiB	34x34 407 MiB	66x66 OOM			
	5120	2					18x18 286 MiB	34x34 942 MiB	66x66 OOM		
	10240	1					18x18 162 MiB	34x34 508 MiB	66x66 OOM		
	20480	2						18x18 395 MiB	34x34 1151 MiB	66x66 OOM	
	40960	1						18x18 271 MiB	34x34 717 MiB	66x66 OOM	
	81920	2							18x18 ??? MiB	34x34 ??? MiB	66x66 OOM
	163840	1							18x18 ??? MiB	34x34 ??? MiB	66x66 OOM

OOM: out of memory