

**Amphi ABOUTAJDINE (FSR-SIEGE) MIP-1
THERMODYNAMIQUE 1**

N°	APOGEE	OBSERVATION
1	17013255	
2	19004446	
3	21000197	
4	21002379	
5	21003631	
6	21003635	
7	21005165	
8	22000111	
9	22002844	
10	22003132	
11	22003232	
12	22003663	
13	22003764	
14	22004074	
15	22018519	
16	23001301	
17	23001545	
18	23002430	
19	23003140	
20	23003180	
21	23003196	
22	23003303	
23	23003505	
24	23003621	
25	23005238	
26	23006257	
27	23006623	
28	23007159	
29	23007565	
30	23007629	
31	23007710	
32	23007742	
33	23009158	
34	23009185	
35	23009793	
36	23010041	
37	23010098	
38	23010423	
39	23010474	
40	23010803	

41	23010935	
42	23011073	
43	23011150	
44	23011753	
45	23012155	
46	23012770	
47	23014524	
48	23018378	
49	23020242	
50	23028338	
51	24001362	
52	24001598	
53	24001652	
54	24001706	
55	24001713	
56	24002127	
57	24002436	
58	24002533	
59	24002543	
60	24002579	
61	24002611	
62	24002652	
63	24002699	
64	24002845	
65	24002846	
66	24002886	
67	24002983	
68	24003373	
69	24003442	
70	24003504	
71	24003667	
72	24004696	
73	24004704	
74	24004769	
75	24005195	
76	24005279	
77	24005320	
78	24005524	
79	24005684	
80	24005881	
81	24006036	
82	24006320	
83	24006334	
84	24006500	

85	24006711	
86	24007058	
87	24007293	
88	24007508	
89	24007753	
90	24007755	
91	24007796	
92	24008264	
93	24008395	
94	24008940	
95	24009008	
96	24009049	
97	24009131	
98	24009217	
99	24009469	
100	24009507	
101	24009527	
102	24009585	
103	24009658	
104	24009720	
105	24009761	
106	24009905	
107	24010356	
108	24010624	
109	24010840	
110	24011428	
111	24011647	
112	24012346	
113	24016082	
114	24016725	
115	24018518	
116	24019023	
117	24021319	
118	24023270	
119	24024372	
120	24026206	
121	24026568	

**Amphi ZAOUI (FSR-SIEGE) MIP-1
THERMODYNAMIQUE 1**

N°	APOGEE	OBSERVATION
1	15012148	
2	17013200	
3	21001444	
4	21001535	
5	21002001	
6	21005352	
7	21005361	
8	22000747	
9	22002918	
10	22020325	
11	23002023	
12	23002397	
13	23003128	
14	23003209	
15	23003279	
16	23003381	
17	23003512	
18	23003628	
19	23003884	
20	23004073	
21	23004074	
22	23004244	
23	23004675	
24	23004696	
25	23004711	
26	23005212	
27	23005465	
28	23006579	
29	23006732	
30	23006787	
31	23006912	
32	23007006	
33	23007189	
34	23007484	
35	23007552	
36	23007619	
37	23009219	
38	23009380	
39	23009473	
40	23009896	

41	23010528	
42	23010591	
43	23010652	
44	23010919	
45	23011354	
46	23011646	
47	23012510	
48	23012577	
49	23012838	
50	23013179	
51	23013242	
52	23022449	
53	23028348	
54	24001315	
55	24001330	
56	24001347	
57	24001377	
58	24001404	
59	24001412	
60	24001429	
61	24001599	
62	24001692	
63	24001745	
64	24002107	
65	24002320	
66	24002398	
67	24002673	
68	24002693	
69	24002720	
70	24002747	
71	24002943	
72	24003094	
73	24003289	
74	24003509	
75	24003608	
76	24004006	
77	24004090	
78	24004479	
79	24004566	
80	24004815	
81	24005090	
82	24005221	
83	24005227	
84	24006358	

85	24006483	
86	24006549	
87	24006679	
88	24006986	
89	24007000	
90	24007011	
91	24007278	
92	24007429	
93	24007554	
94	24008245	
95	24008554	
96	24008556	
97	24008563	
98	24008569	
99	24008717	
100	24008719	
101	24009035	
102	24009058	
103	24009114	
104	24009410	
105	24009503	
106	24009552	
107	24009703	
108	24010773	
109	24011171	
110	24011483	
111	24011623	
112	24011878	
113	24012486	
114	24012508	
115	24016912	
116	24017466	
117	24018077	
118	24018996	
119	24019122	
120	24019356	

**IBN SINA (FSR-SIEGE) MIP-1
THERMODYNAMIQUE 1**

N°	APOGEE	OBSERVATION
1	19004115	
2	20016773	
3	21013794	
4	22000901	
5	22002626	
6	22005039	
7	22007880	
8	22018466	
9	23001547	
10	23001907	
11	23002600	
12	23002791	
13	23002838	
14	23003179	
15	23003623	
16	23003703	
17	23004705	
18	23004785	
19	23004787	
20	23004877	
21	23004993	
22	23004995	
23	23005489	
24	23006308	
25	23006320	
26	23006898	
27	23007043	
28	23007265	
29	23007524	
30	23007589	
31	23007610	
32	23009141	
33	23009515	
34	23010778	
35	23011000	
36	23011158	
37	23011393	
38	23011548	
39	23011626	
40	23011640	

41	23011749	
42	23011963	
43	23012308	
44	23013996	
45	23017514	
46	23022421	
47	23028353	
48	24001376	
49	24001660	
50	24001714	
51	24001727	
52	24001795	
53	24002167	
54	24002582	
55	24002606	
56	24002614	
57	24002726	
58	24002778	
59	24002796	
60	24003003	
61	24003270	
62	24003423	
63	24003557	
64	24003613	
65	24003669	
66	24003689	
67	24004288	
68	24005812	
69	24005908	
70	24006348	
71	24006357	
72	24006570	
73	24006596	
74	24006625	
75	24006824	
76	24007022	
77	24007118	
78	24007459	
79	24007682	
80	24008404	
81	24008484	
82	24008490	
83	24008720	
84	24009025	

85	24009494	
86	24010506	
87	24011232	
88	24015991	
89	24018991	
90	24019838	

**AL BAYTAR (FSR-SIEGE) MIP-1
THERMODYNAMIQUE 1**

N°	APOGEE	OBSERVATION
1	21000068	
2	21001653	
3	22000265	
4	22000617	
5	22002793	
6	22005937	
7	22009092	
8	23003153	
9	23003256	
10	23003637	
11	23003912	
12	23004897	
13	23004921	
14	23005182	
15	23005487	
16	23006241	
17	23006461	
18	23006508	
19	23006517	
20	23006803	
21	23006929	
22	23007535	
23	23009739	
24	23009784	
25	23009977	
26	23010939	
27	23012017	
28	23028345	
29	24001302	
30	24001334	
31	24001696	
32	24002286	
33	24002469	
34	24002487	
35	24002488	
36	24002516	
37	24002609	
38	24002655	
39	24002953	
40	24003568	

41	24003601	
42	24003714	
43	24004000	
44	24004357	
45	24004420	
46	24004505	
47	24004570	
48	24004682	
49	24004691	
50	24004708	
51	24005278	
52	24005296	
53	24005477	
54	24005733	
55	24006612	
56	24006863	
57	24006865	
58	24007228	
59	24007349	
60	24007537	
61	24007772	
62	24008468	
63	24008629	
64	24011493	
65	24011564	
66	24011961	
67	24012329	
68	24019980	
69	24022011	
70	24023250	

**AL BIROUNI (FSR-SIEGE) MIP-1
THERMODYNAMIQUE 1**

N°	APOGEE	OBSERVATION
1	16009415	
2	22002541	
3	22003094	
4	22003193	
5	22025489	
6	22029076	
7	23001558	
8	23002043	
9	23002362	
10	23002516	
11	23003348	
12	23003438	
13	23003687	
14	23004457	
15	23004747	
16	23004763	
17	23004862	
18	23004926	
19	23005050	
20	23005101	
21	23005684	
22	23006219	
23	23006220	
24	23006742	
25	23006939	
26	23007027	
27	23007685	
28	23009833	
29	23009881	
30	23010734	
31	23026274	
32	24001312	
33	24001452	
34	24001796	
35	24002075	
36	24002158	
37	24002407	
38	24002554	
39	24002572	
40	24002607	

41	24002948	
42	24003465	
43	24003477	
44	24003628	
45	24003823	
46	24004514	
47	24004861	
48	24005017	
49	24005018	
50	24005624	
51	24005655	
52	24005729	
53	24005883	
54	24006304	
55	24006834	
56	24007331	
57	24008375	
58	24008480	
59	24008557	
60	24008885	
61	24009649	
62	24009868	
63	24010582	
64	24010852	
65	24012142	
66	24016358	
67	24018994	
68	24019589	
69	24020120	
70	24021324	

**IBN HAYAN (FSR-SIEGE) MIP-1
THERMODYNAMIQUE 1**

N°	APOGEE	OBSERVATION
1	10009802	
2	17021817	
3	22002435	
4	22003761	
5	22006253	
6	22006501	
7	22006838	
8	22013691	
9	22025662	
10	23002767	
11	23003258	
12	23003573	
13	23003583	
14	23003712	
15	23003893	
16	23004685	
17	23005165	
18	23005295	
19	23006487	
20	23007101	
21	23009056	
22	23010410	
23	23010539	
24	23010982	
25	23011224	
26	23012305	
27	23012521	
28	23019766	
29	24001295	
30	24001419	
31	24001664	
32	24003023	
33	24003371	
34	24003531	
35	24003657	
36	24003680	
37	24003864	
38	24003975	
39	24004001	
40	24004131	
41	24005025	
42	24005077	
43	24006453	
44	24006794	

45	24006816	
46	24007198	
47	24007405	
48	24007780	
49	24009091	
50	24009408	
51	24010552	
52	24010892	
53	24019271	
54	24019459	
55	24022156	
56	24028001	