

HASHEMITE KINGDOM OF JORDAN

MINISTRY OF ENERGY AND MINERAL RESOURCES

BASE METALS PROJECT

FOR

SUMR AL TAIYBA MOUNTAINS AREA

Draft Updated Report

Natural Resources Studies Directorate

Prospecting Studies Division

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List of Abbreviations

	А	Area bearing (Influence Area)
	Ce	Cerium
	Cs	Cesium
	Е	East
-	Fig.	Figure
	GIS	Geographic Information System
	ICP-MS	Inductively Coupled Plasma Mass Spectrometry
	km	Kilometer
	km ²	Square Kilometer
	La	Lanthanum
	Lu	Lutetium
	m	Meter
	m ²	Square Meter
	m ³	Cubic Meter
	Max.	Maximum
	mg/kg	Milligram Per Kilogram
	Min.	Minimum
	mm/year	Millimeter Per Year
	Ν	North
	Nd	Neodymium
	NGMP	National Geological Mapping Project
	No.	Number
	NRA	Natural Resources Authority
	ppm	Part Per Million
	REEs	Rare Earth Element(s)
	St.D.	Standard Deviation
	S	South
	TD	Total Depth
	AM	Ahaymir Volcanic Suit
	UTM	Universal Transverse Mercator
	W	West

ABSTRACT

Over the last five years, the Ministry of Energy and Mineral Resources (MEMR) has initiated several mineral resources exploration projects, including Phosphate, Potash, REE, Gold, and base metals. These projects result from geological and geochemical studies conducted by the Natural Resources Studies Directorate (NRSD) of MEMR in collaboration with various global agencies across the country.

A geochemical survey of basement rocks in southern Jordan was conducted by the Geochemical Survey Division (MEMR) in collaboration with the French Geological Survey (BRGM). A final report was published in 1994. Geochemical anomalies were identified in several areas in the Wadi Araba, including the Sumr Al Taiyba Mountains, known as the ARAGEO-2 anomaly by BRGM, which were recommended for follow-up.

The study area is located in Wadi Araba, approximately 230 km south of Amman along the Dead Sea-Aqaba Road. It can be accessed via dirt roads and is about 9 km south of Bir-Mathkour village. The study area covers 6.5 km2, in addition, the area has been divided into 42 catchment areas.

Extensive studies were conducted on the pre-determined four designated zones in catchment areas one and two by excavating trenches. A total of thirteen trenches were excavated, in addition, three boreholes were drilled, and necessary samples were collected and sent to the MEMR lab for analysis. After collecting and analyzing 185 samples, it was discovered that the levels of Zn (max. 2380 ppm and background 435 ppm), Pb (max. 547.7 ppm and background 44 ppm), and Li (max. 381.7 ppm and background 63 ppm) had significantly increased. Furthermore, there was an increase in the results within acceptable percentages of elements such as Cu, Ni, V, Sr, Cr, Cs, Ba, Sn, and Y.

Consequently, this project is currently open for private-sector partnerships and investments, making it a promising area for interested parties to explore. As of the time of writing this report, further exploration is still needed and waiting for the final report of the geochemical survey and their recommendations related to the rest catchment areas. Private sector individuals and companies are welcome to explore potential investment opportunities.

1. INTRODUCTION

1.1. Background

In response to the accelerating global competition in the production of precious, base metals, and REE. The Jordanian Government represented by the Ministry of Energy and Mineral Resource (MEMR) has adopted a new strategy that targets expanding various types of metals exploration as well as optimal utilization of mineral resources. Accordingly, several of mineral resources exploration projects were launched in the last five years included Phosphate, Potash, REE, Gold, and base metals based on the results of Geological and geochemical studies that are implemented by MEMR represented by Natural Resources Studies Directorate (NRSD) and other global agencies over the country.

Based on the regional geochemical survey carried out by BRGM, which identified the Sumr Al Taiyba Mountains area "ARAGEO-2 anomaly" as a potential target for the presence of gold and base metals mineralization, this follow-up geochemical survey, which began on 10/16/2022, aimed to continue the work on tracing the source of geochemical anomalies and identifying them more precisely to study and evaluate them by a joint team consist of geological and geochemical surveyors as well as prospecting and geophysical geologists.

1.2. Location and Access

The study area is located in Wadi Araba, about 230 km south of Amman along the Dead Sea-Aqaba road and about 9 km south of Bir-Mathkour village and can be accessed via dirt roads (Fig. 1).



Figure 1: Location of the Study Area

1.3. Previous studies

The Geochemical Survey Division (MEMR) in collaboration with the French Geological Survey (BRGM) have conducted a regional survey of the basement rocks in southern Jordan in 1994.

The objective of the survey was to identify areas with abnormal concentrations of elements that are indicative of mineralization using stream sediments and heavy mineral concentrates.

The released final report has recommended several areas been identified as geochemical anomalies. One of these anomalous areas located in Wadi Araba region called the Sumr Al Taiyba Mountains were defined ARAGEO-2 anomaly according to BRGM.

BRGM collected seventeen (17) stream sediment samples and five (5) heavy mineral concentrates from the second-order streams within the study area with a sampling density of about 4 samples/km² (Fig. 2).

The study area "ARAGEO-2" contains anomalous concentrations of zinc and lead, in addition to shows of gold (Appendix A). The presence of such elements associated with concentrations above the common "background" makes the area potential for economic mineralization and should be studied in detail.



Figure 2: Distribution of Previous Survey Samples (BRGM).

1.4. Purpose of the study

Integrated studies to explore the components, the environmental condition and the major source of Precious, Base metals and REE in Sumr Al Taiyba mountains with a limited area equivalent to 6.5 km2. Therefore, based on regional results of BRGM data, the geochemical and prospecting studies were launched.

In the Geochemical survey, the Sumr Al Taiyba area was divided into 42 catchments. The following types of group samples including stream, heavy & rocks were collected and subjected to certain kinds of analysis including ICP-MS, XRF, and thin section in the MEMR lab in addition to AAS for gold investigation in the SGS Canadian lab to determine the concentrations and anomalies certain type of elements called pathfinder. The pathfinder elements are group of elements including precious and base metals produced over long series of sulfidation minerlization process. The recent layout results of Geochemical survey in the study area, total of four alteration (weak) zones contain distinguishing values of pathfinder elements that were determined in the catchment areas 01 & 02 (Fig. 3).

As a follow-up of integration studies, Prospecting studies were commenced on 5 Feb 2023 in the catchment areas 01, 02, and 10 including trench excavation and drilling boreholes to determine the following requirements:

- Measure the strike, dip & dip direction of the alteration layers in the weak zones.
- Define the type of pathfinder elements deposited along the zones in addition to their level values.
- Determine the mineralization type.



Figure 3: Catchments and Weak Zones in the Study Area

2. GEOLOGY OF THE STUDY AREA

From a geological point of view, the Sumr Al Taiyba Mountains consist entirely of Pre-Cambrian rhyolite volcanic rocks "AM" surrounded by sediments of Pleistocene and Quaternary alluvial and flood plains (Fig. 4). On the south, it is structurally bordered by Cretaceous sedimentary rock units consisting of sandstone, limestone, argillites, marl, phosphate, and chert.



Figure 4: Geology of The Study Area

The main faults, which are believed to follow the Dead Sea Transform Fault System "DSTF", surround the AM from all sides forming a semi-circular shape with peaks concave towards the west where the general inclination (Fig. 5). Thus, it is likely that there are complex structures within the study area that need a detailed study. The closest exposure of the same rock unit "AM" is located about 6 km to the east in Wadi Abu-Khusheiba.

The lowest altitude in the study area is about 175 m a.m.s.l in the west, while the highest altitude is about 400 m a.m.s.l in the east, with a height difference of about 225 m. The study area is divided into two parts: one half has a floodplain terrain with an intricate network of streams, while the other half is mountains with rhyolite volcanic rocks of the AM. In the southeastern corner, there are Cretaceous sedimentary rocks of the Kurnub Sandstone Formation "KS", and carbonate formations belong to the Ajloun and Balqa Groups. The slope is generally gentle in most of the area of about 40 and reaches its maximum on the slopes of the high mountains.

The study area is part of geological map sheet Petra & Wadi AlLahyana scaled 1:50,000. According to the map, Ahaymir group was divided into four members (Fig. 5) including Al Bayda (Quartz-Feldspar Porphyry), Mufarqida Conglomerate, Musaymir Effusive and Qusayb Rhyolite where Qusayb Rhyolite member is the most one predominant in the study area. Furthermore, diabase and andesite rocks are embedded in between over the study area.



Figure 5: Distribution of Ahaymir Rock Unit

3. FIELD WORK

3.1 **Reconnaissance Trips**

Driven by the Ministry of Energy and Mineral Resources' mandate to optimize mineral resource exploitation and attract investors, the prospecting studies division initiated exploration activities in the Sumr Al Taiyba study area (covers 6.5 km²).

Initial reconnaissance trips in November 2022 (in collaboration with the geochemical division) aimed to identify zones of weakness indicative of potential mineralization. These zones included fracture zones filled with residual fluids from the final crystallization of Auhimr Suite igneous rocks (Araba Complex), fault zones, and igneous dykes. Subsequent trips, guided by updated geochemical survey results, further refined potential exploration zones.

Trenching and pit excavation identified promising locations, and subsequent sample analysis led to the selection of drilling sites. These operations and their outcomes will be elaborated upon in subsequent sections.

3.2 Trenches & Boreholes

As mentioned above, a total of four zones were determined in catchment areas 01 and 02 in addition to another proposed altered zone was determined in catchment no. 10. Trenches and drilling boreholes are prospecting methods were utilized to obtain further information regarding the pathfinder elements within alteration layers extend along the weak zones. The trenches were excavated perpendicular to the strike of the weak zones to expose as much as possible of alteration layers that are occured over there. Along the trench, the footwall and the hanging wall are the main structural features used to indicate the start and end of alteration occurrences. By using millimeter paper, the lithology and structure features of the trenches were documented with the following details (Fig. 6, Trench 03 is an example):

- Distinguishing in the draw between the alteration layer and the mother rock layer (Rhyolite).
- The strike, dip, and dip direction of alteration layers.
- Shows of exposed base metals or any related alteration minerals.
- Start and End of the trench.
- Sample's location



Figure 6: Workflow in Field

Using Arc-Map in digitizing the drawn trench in order to declare the following parameters (Fig. 7, Trench 03 is an example):

- Lithology type & structure features.
- Length and depth of the altered layer.
- Define the pathfinder elements results by PPM.
- Strike, Dip, Dip Direction of the altered zones.



Figure 7: Digitized Trench Using Arc_ Map 10.6v

Ultimately, the Arc-Map will use to link the altered layer to define the outcome of the strike, Dip, and Dip Direction for a particular group of drawn trenches over certain weak zones. The second phase is drilling borehole to explore the subsurface extension of the altered zone. The borehole location is determine according to the dip direction of altered layer whereas the separated distance between the rig location and the weak zone is measured according the maximum penetration depth of the rig. That distance is measured based on the tan angle the dip-altered layer multiply to the maximum penetration depth of the rig (Fig. 8, Zone 01 is an example).



Figure 8: Borehole Location in the Weak Zone Based Tan Angle

4. Geophysical Studies

In respond to the irregular shape topography of the study area and incompatible status for the predominant rock in the study area to the altered layer in term of their physical characteristics in term of the bulk density, texture and shape, geophysical resistivity survey was implemented using ERT method that has variety arrays to proceed. Three different arrays were carried out included (Fig. 9):

- Winner Schlumberger
- Dipole Pole
- Pole Pole



Figure 9: Geophysical Resistivity Survey, ERT method.

Each of array –that are mentioned above - was used according to the certain parameters to obtain the optimal resolution for the target layer including the electrode spacing, the length of array and the rate of penetration Table No. 01. The largest penetrated depth is 54 m using pole –pole whereas the highest penetrated depth resolution is 26 m using Pol-pole with spacing electrode 1 m. Remarkably, the geophysical report contains the subsurface models with interpretations will be enclosed with this report after received the final layout from the geophysical team.

Type of Array	# of Array	Electrode Spacing	Length of array	Rate of penetration depth	Penetrated depth
Winner Schlumberger	1	2 m	64 m	16%	~10 m
Diploe - Pole	1	2 m	64 m	40%	~25 m
Pole - Pole	1	2 m	64 m	85%	~54 m
Pole - Pole	1	1 m	31 m	85%	26 m

Table 1: Array parameters for ERT Resistivity method.

5. Surface Geochemical Analysis – Rock Samples

According to the surface geochemical survey analysis for the total of 64 collected rock samples the composite elements of the predominant Rhyolite rocks over the study area have been identified than the composite elements of the altered layer using Correlation matrix statistical analysis for assets requested 34 of elements Table 02.

Be	Cd	Co	Cs	Cu	Ga	Li	Ni	Pb	Sr
V	Zn	Hf	Mo	Nb	Sb	Sn	W	Zr	Ce
Dy	Gd	Ho	La	Nd	Pr	Sc	Sm	Y	Yb
Rb	Cr	Ti	Ba						

Table 2: ICP-MS Analysis for requested group of elements.

The correlation matrix is statistical analysis method to figure out the relation between two groups of assets. If the correlation value close to +1 between two type of element, the co-existence for them in the same mineral is high potential and vice versa for correlation value equal -1. In the (Fig. 10) revealed total of 18 analyzed elements are associated to the predominant Rhyolite rock (mother rock) Table 03, whereas total of 13 analyzed elements are associated to the altered layer Table 04. Remarkably, Zirconium and Copper are the main elements composite for the Rhyolite rocks and altered layer rocks, respectively; and both of element were used in the correlation matrix to explore the rest of component for the two asset rock by their correlation value which is restricted between +1 , -1). So far, two element from the composite elements of the two group assets are included in the both assets Sn and Y Table 05.

Zr	Rb	Be	Ga	Hf	Mo	Nb	Sn	W	Ce
Dy	Gd	La	Nd	Pr	Sm	Y	Yb		

Table 3: Composite elements of the Rhyolite Rock asset.

Table 4: Composite elements of the altered layer rock asset.

Cu	Zn	Li	Pb	Sr	V	Cr	Ni	Ba	Со
Cs	Sn	Y							

Table 5: Shared elements in the two-rock asset.

Sn Y

Corresponding to the Table 04, the composite elements of the altered rocks asset have been entitled pathfinder elements to track the sulfidation minerals in term of their type, strike, Dip, Dip-direction and settled depth. Furthermore, the background of the pathfinder elements of the altered rock was extracted from the overall surface rock geochemical analysis. The pathfinder elements background ppm were used to find out their potential high value which is considered indices into certain type of sulfidation mineralization process (Table 06).

	Bi_ppm	Rb_ppm	Be_ppm	Cd_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Ga_ppm	Li_ppm	Ni_ppm	Pb_ppm	Sr_ppm	V_ppm	Zn_ppm	Hf_ppm	Mo_ppm	Nb_ppm	Sb_ppm	Sn_ppm	W_ppm	Zr_ppm	Ce_ppm	Dy_ppm	Gd_ppm	Ho_ppm	La_ppm	Nd_ppm	Pr_ppm	Sc_ppm	Sm_ppm	Y_ppm	Yb_ppm	Ва_ррт
Bi_ppm	1																																	
Rb_ppm	#DIV/0!	1																																
Be_ppm	#DIV/0!	-0.48574	1																															
Cd_ppm	#DIV/0!	#DIV/0!	#DIV/0!	1																														
Co_ppm	#DIV/0!	-0.42462	0.157165	#DIV/0!	1																													
Cr_ppm	#DIV/0!	0.141024	-0.36366	#DIV/0!	-0.11663	1																												
Cs_ppm	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1																											
Cu_ppm	#DIV/0!	-0.29203	-0.08608	#DIV/0!	-0.20514	0.057523	#DIV/0!	1	L																									
Ga_ppm	#DIV/0!	-0.82644	0.388282	#DIV/0!	0.497119	-0.11918	#DIV/0!	-0.1744	1																									
Li_ppm	#DIV/0!	-0.14409	-0.09503	#DIV/0!	0.173868	-0.10489	#DIV/0!	0.002377	0.143773	1																								
Ni_ppm	#DIV/0!	0.087089	0.042499	#DIV/0!	0.131254	0.716725	#DIV/0!	0.006226	0.120002	0.000541	1																							
Pb_ppm	#DIV/0!	0.16833	-0.00302	#DIV/0!	-0.07141	-0.18326	#DIV/0!	-0.00702	-0.27523	0.614961	-0.1097	1																						
Sr_ppm	#DIV/0!	0.613747	-0.10741	#DIV/0!	0.478972	-0.01814	#DIV/0!	-0.00121	-0.01967	0.28164	0.052957	0.049832	1																					
V_ppm	#DIV/0!	0.438594	-0.10394	#DIV/0!	0.466174	-0.08488	#DIV/0!	-0.01482	0.018174	0.172695	-0.11554	0.169169	0.765249	1																				
Zn_ppm	#DIV/0!	-0.70809	-0.08991	#DIV/0!	0.089754	-0.13463	#DIV/0!	0.03395	0.038063	0.853583	-0.06117	0.716499	0.056847	0.605128	1																			
Hf_ppm	#DIV/0!	0.254973	0.104416	#DIV/0!	-0.02116	0.157375	#DIV/0!	-0.1074	0.551753	-0.25252	0.10386	-0.53432	-0.46693	-0.36269	-0.19248	1																		
Mo_ppm	#DIV/0!	0.054858	0.401947	#DIV/0!	0.02128	-0.24821	#DIV/0!	-0.06372	0.254101	0.187405	-0.04828	-0.12838	-0.06203	-0.07848	-0.06371	0.10912	1																	
Nb_ppm	#DIV/0!	-0.3075	0.038006	#DIV/0!	0.19854	0.150078	#DIV/0!	-0.13562	0.707179	-0.10581	0.026631	-0.42063	-0.18729	-0.08677	-0.00211	0.844873	0.074484	1																
Sb_ppm	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1															
Sn_ppm	#DIV/0!	-0.47047	0.275322	#DIV/0!	0.003283	-0.27268	#DIV/0!	-0.05009	0.29582	-0.08311	-0.19182	0.22319	-0.25018	-0.21853	0.04755	0.289124	0.132473	0.22954	#DIV/0!	1														
W_ppm	#DIV/0!	-0.43022	0.353005	#DIV/0!	0.237653	-0.11559	#DIV/0!	-0.23084	0.579422	-0.35826	0.003908	-0.45407	-0.52565	-0.44536	-0.27121	0.686142	0.148078	0.540356	#DIV/0!	0.411565	1													
Zr_ppm	#DIV/0!	0.516592	0.214653	#DIV/0!	0.009971	-0.00654	#DIV/0!	-0.04922	0.599282	-0.45433	-0.30931	-0.45212	-0.43239	-0.34117	-0.36268	0.974907	0.196306	0.834609	#DIV/0!	0.309407	0.684751	1												
Ce_ppm	#DIV/0!	-0.59391	0.107158	#DIV/0!	-0.03019	-0.02363	#DIV/0!	-0.17953	0.314065	-0.28998	-0.00629	-0.205	-0.30107	-0.26706	-0.20935	0.491936	0.003105	0.299935	#DIV/0!	0.141582	0.379902	0.49954	1											
Dy_ppm	#DIV/0!	0.259174	-0.0566	#DIV/0!	-0.11881	-0.02949	#DIV/0!	-0.03901	0.075613	-0.21103	-0.17714	-0.14399	-0.13632	-0.11893	-0.10158	0.228919	-0.05297	0.249928	#DIV/0!	-0.04996	0.058595	0.208862	0.091231	1										
Gd_ppm	#DIV/0!	-0.89441	0.603754	#DIV/0!	0.38146	-0.38163	#DIV/0!	-0.18191	0.729571	0.085264	0.088154	-0.1737	-0.07302	-0.00921	-0.00932	0.438408	0.383756	0.385162	#DIV/0!	0.33233	0.487473	0.570399	0.425128	-0.07664	1									
Ho_ppm	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1								
La_ppm	#DIV/0!	-0.56553	0.053506	#DIV/0!	0.079017	-0.00878	#DIV/0!	-0.22641	0.434217	-0.31221	-0.03778	-0.23057	-0.50478	-0.45103	-0.20451	0.594502	0.022779	0.540672	#DIV/0!	0.425119	0.750935	0.600264	0.603117	0.165781	0.309616	#DIV/0!	1							
Nd_ppm	#DIV/0!	-0.28696	0.018943	#DIV/0!	0.077602	0.019906	#DIV/0!	-0.23128	0.473867	-0.30325	0.011512	-0.28892	-0.46103	-0.39951	-0.20377	0.687227	0.01992	0.621517	#DIV/0!	0.348602	0.72207	0.699661	0.705606	0.189964	0.38664	#DIV/0!	0.964778	1						
Pr_ppm	#DIV/0!	-0.29632	0.018689	#DIV/0!	0.178954	0.030076	#DIV/0!	-0.20935	0.617995	-0.25405	0.034548	-0.34849	-0.36472	-0.27918	-0.13588	0.771693	0.022374	0.7708	#DIV/0!	0.335846	0.706693	0.779662	0.670919	0.213521	0.464838	#DIV/0!	0.899318	0.959562	1					
Sc_ppm	#DIV/0!	#DIV/0!	-0.09964	#DIV/0!	0.495942	-0.07211	#DIV/0!	-0.03436	0.054819	0.146211	-0.10019	0.041809	0.872261	0.962059	0.406404	-0.34674	-0.06582	-0.06442	#DIV/0!	-0.18824	-0.39789	-0.32645	-0.26301	-0.10415	-0.014	#DIV/0!	-0.40767	-0.36035	-0.24838	1				
Sm_ppm	#DIV/0!	-0.76946	0.479837	#DIV/0!	0.310059	-0.26777	#DIV/0!	-0.32275	0.734399	-0.08571	0.070507	-0.2366	-0.18413	-0.1598	-0.15548	0.551123	0.303686	0.467756	#DIV/0!	0.365742	0.620784	0.65422	0.696146	0.030801	0.885874	#DIV/0!	0.616775	0.691737	0.716586	-0.12003	1			
Y_ppm	#DIV/0!	0.686019	0.045026	#DIV/0!	0.006677	0.106983	#DIV/0!	-0.015	0.495131	-0.31923	0.071836	-0.51985	-0.55302	-0.47041	-0.28372	0.904345	0.069486	0.768312	#DIV/0!	0.259729	0.762767	0.865867	0.538439	0.173019	0.372669	#DIV/0!	0.711001	0.7784	0.833153	-0.45502	0.530354	1		
Yb_ppm	#DIV/0!	0.563115	0.659247	#DIV/0!	0.116248	-0.41199	#DIV/0!	-0.13542	0.361984	0.100629	0.095002	-0.15307	-0.14812	-0.16075	-0.16611	0.226195	0.57441	0.052747	#DIV/0!	0.272376	0.38204	0.374445	0.068855	-0.09761	0.779526	#DIV/0!	0.089321	0.111773	0.108408	-0.14628	0.608564	0.175795	1	
Ba_ppm	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.007498	#DIV/0!	0.646891	#DIV/0!	0.517088	0.118438	0.527042	#DIV/0!	#DIV/0!	0.563022	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-0.44036	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1

Figure 10: Correlation matrix for Surface Geochemical analysis rocks.

Pathfinder element	Cu	Zn	Li	Pb	Sr	V	Cr	Ni	Ba
Background	923	435	63	44	95	55	332	166	217
Pathfinder		Cs	Sn	V	ррш	ррш	ррш	ррш	ррш
element	00	0.5		-					
Background	22	5	11	87					
8	ppm	ppm	ppm	ppm					

Table 6: The Background pathfinder elements.

5.1 Sampling & Lab analysis

The sampling was carried out according to the standard criteria that is relied mainly on the description lithology that separates between the Rhyolite rock and altered rocks. Total of 142 samples were collected from total of 15 excavated trenches as well as 53 samples were collected from three drilled borehole

During the Prospecting activities, the selected samples were subjected into set of chemical analyses included XRF, ICP-MS and XRD instruments that were proceeded in the MEMR lab; the requested chemical sets are included in following tables below Table No. 07, 08, and 09.

Fe2O3	MnO	TiO2	CaO	CuO	K2O	SO3	SiO2	Al2O3	MgO	Na2O
Wt.%	Wt.%	Wt.%	Wt.%	Wt.%	Wt.%	Wt.%	Wt.%	Wt.%	Wt.%	Wt.%

Table 7: XRF analysis for the following oxides:

Table 8: ICP-MS	analysis for	the following elements
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Be	Cd	Со	Cs	Cu	Ga	Li	Ni	Pb	Sr
V	Zn	Hf	Mo	Nb	Sb	Sn	W	Zr	Ce
Dy	Gd	Ho	La	Nd	Pr	Sc	Sm	Y	Yb
Rb	Cr	Ti	Ba						

Table 9: XRD analysis to determine the following type of minerals group

Major Minor	Traces
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6. RESULTS and DISCUSSION (MODELING and INTERPRETATION)

The identified four zones in the catchment 01, 02 were intensively examined utilizing excavated trenches whereas drilling boreholes will carry out based on trenches parameters and geophysical survey data. The most layout data was covered in the identified zones :

- Digitize trenches on millimeter paper.
- Determine the strike, dip, and dip direction of each trench
- Expressing ICP-MS data for the pathfinder elements over the digitized trenches.
- Determine the extension, strike, dip, and dip direction of the alteration layers over the weak zone according to the excavated trenches.
- Expressing ICP-MS data of the alteration layers over the weak zone using ARC-map.
- Define the pathfinder element using the Correlation matrix method for each zone.
- Define the background and maximum values for the ICP results for each weak zone.
- Explore the predominant minerals in the alteration layers using XRD analysis.
- The aforementioned points have been discussed in detail for each zone separately.
- All chemical results details have been enclosed in the appendix B.

6.1 The Results of zone No. 01

The four trenches were excavated and one borehole was drilled. The alteration layers were identified and distinguished than the mother rock (Rhyolite) in the digitized millimeter paper in addition to the length of each layer. The ICP results for the pathfinder elements are representing the main function of indication into the alteration zone. Therefore, the Zinc was nominated in the four weak zones to represent the rest of the pathfinder elements on the digitized millimeter paper as well as used to correlate the altered layer over the weak zone. In the following Figures (11, 12, and 13), the alterations were distinguished using Zn values in ppm as well as their depth and length in meter unit.



Figure 11: Weak Zone 01, Digitized & ICP Zn in Trench 01



Figure 12: Weak Zone 01, Digitized & ICP Zn in Trench 02



Figure 13: Weak Zone 01, Digitized & ICP Zn in Trench 03

Based on the Alteration results, the correlation links Trench 01, Trench 02, and Trench 03 together reveal to an alteration zone dipping toward the south-east of the study area (Fig. 14).

Meanwhile, for further investigation in the weak zone 01, Trench labelled 11 was excavated (Fig. 14).



Figure 14: Alteration Correlation in the Weak Zone 01

Trench no. 11 is dipping toward the southwest and crossing the main correlation in the weak zone 01. Recently, it was digitized in millimeter paper revealed on total of five alteration layers that were sampled and sent to the MEMR lab. The sample results of Trench 11 were represented on the digitized millimeter paper (Fig. 15).

On the other hand, based on the zinc correlation over weak zone 01 (Fig. 14), the borehole was drilled to a total depth of 43 meters accompany with sampling. Based on the lithology description and chemical analysis results for total of 43 collected samples , the alteration layer was encountered at depth 10 m and continued to depth 20 m.



Figure 15: Weak Zone 01, Digitized Trench 11

The pathfinder elements over the weak zone have been determined using the Correlation matrix. The correlation matrix of Zone 01 (Fig. 16) shows the elements that have emerged during the alteration process and apart than the mother rock elements.

According to the correlation value for the following elements Zinc (Zn), copper (Cu), and Zirconium (Zr) the pathfinder elements and mother rock have been known. The pathfinder elements in zone 01 are Zn, Cu, Li, Ni, Pb, Sr, V, Y. Mother rock elements: Zr, Be, Cd, Co, Cs, Mo, Nb, Sb, Sn,W, Sm,Yb.

	Be(ppm)	Cd(ppm)	Co(ppm)	Cs(ppm)	Cu(ppm)	Ga(ppni)	Li(ppm)	Ni(ppm)	Pb(ppm)	Sr(ppm)	V(ppm)	Zn(ppm)	Hf(ppm)	Mo (ppm)	Nb(ppm)	Sb(ppm)	Sn(ppm)	W(ppm)	Zr(ppm)	Ce(ppm)	Dy(ppm)	Gd(ppm)	Ho(ppm)	La(ppm)	Nd(ppm)	Pr(ppm)	Sc(ppm)	Sm(ppm)	Y(ppm)	Yb(ppm)
Be(ppm)	1																													
Cd(ppm)	0.277831	1																												
Co(ppm)	0.056735	0.167827	1																											
Cs(ppm)	-0.41261	0.421663	-0.1591	1																										
Cu(ppm)	-0.53477	-0.84508	-0.0936	-0.35365	1																									
Ga(ppni)	0.909229	0.252523	-0.05109	-0.30791	-0.52202	1																								
Li(ppm)	-0.03275	0.002889	-0.27119	-0.29791	0.180837	0.056586	6 1																							
Ni(ppm)	-0.48423	-0.66449	0.010426	-0.2647	0.85623	-0.46014	0.150929	1																						
Pb(ppm)	-0.48413	-0.52272	-0.09995	0.122516	0.444491	-0.32211	-0.49815	0.415805	1																					
Sr(ppm)	-0.58581	-0.27197	-0.09338	-0.01147	0.633671	-0.57105	0.298236	0.702987	0.193533	1																				
V(ppm)	-0.67456	-0.61366	-0.36959	0.259297	0.620332	-0.5595	-0.03414	0.550674	0.664327	0.530818	1																			
Zn(ppm)	-0.17819	-0.09248	0.10724	-0.35532	0.373161	-0.18414	0.5543	0.318269	-0.22383	0.710888	0.148332	1																		
Hf(ppm)	-0.16338	-0.59519	0.051596	-0.27122	0.455116	-0.20935	-0.52798	0.440354	0.648649	0.183371	0.428139	-0.01324	1																	
Mo (ppm)	0.246602	0.992897	0.162171	0.418322	-0.83196	0.237907	0.019821	-0.65154	-0.48519	-0.26753	-0.59503	-0.08745	-0.60846	6 1																
Nb(ppm)	0.341301	0.990994	0.207623	0.30841	-0.83652	0.301573	0.035282	-0.64958	-0.56685	-0.27665	-0.684	-0.04064	-0.56767	0.981159	1															
Sb(ppm)	-0.27961	0.581503	0.196947	0.214785	-0.13979	-0.3434	0.229781	0.030973	-0.3159	0.57517	-0.18455	0.544427	-0.28355	0.575435	0.59251	1														
Sn(ppm)	0.310129	0.998024	0.186669	0.374784	-0.84411	0.282533	0.008894	-0.66582	-0.53317	-0.27748	-0.64119	-0.07084	-0.57396	0.989041	0.996275	0.582428	1													
W(ppm)	0.252802	0.887062	0.54449	0.261055	-0.69869	0.205061	-0.06074	-0.5493	-0.48403	-0.175	-0.66075	0.07869	-0.52947	0.879425	0.895769	0.618425	0.893901	1	1											
Zr(ppm)	0.242947	0.89875	0.236441	0.358904	-0.7592	0.187676	-0.2584	-0.53248	-0.29517	-0.187	-0.51149	-0.08139	-0.18683	0.882642	0.904822	0.590496	0.908621	0.802473	3 1											
Ce(ppm)	0.656783	0.081946	0.020032	-0.64582	-0.06552	0.662799	0.474825	0.023101	-0.3694	-0.0405	-0.4269	0.286994	-0.25271	0.102607	0.156377	-0.00805	0.115321	0.11407	-0.01466	i 1										
Dy(ppm)	-0.24616	-0.99703	-0.19179	-0.42041	0.832318	-0.21053	-0.00154	0.666474	0.526032	0.28384	0.616331	0.100029	0.590241	-0.98995	-0.9884	-0.58284	-0.99506	-0.88842	-0.89678	-0.04885	1									
Gd(ppm)	0.397692	0.970848	0.181416	0.234146	-0.80116	0.353813	0.056545	-0.61036	-0.55175	-0.21875	-0.6696	0.024561	-0.52422	0.96126	0.986067	0.609137	0.981228	0.875398	0.908288	0.265307	-0.96179) 1								
Ho(ppm)																							1							
La(ppm)	0.553765	0.472597	-0.03309	-0.19736	-0.3713	0.65171	0.430853	-0.30244	-0.49726	0.010695	-0.47743	0.370555	-0.52116	0.479543	0.507802	0.310412	0.494013	0.476607	0.312981	0.715849	-0.4276	0.589422		1						
Nd(ppm)	0.704075	0.28792	0.02093	-0.48515	-0.28147	0.772106	0.35374	-0.24571	-0.40838	-0.09779	-0.5226	0.34418	-0.28925	0.295547	0.355659	0.108447	0.325014	0.327008	0.209386	0.841513	-0.24559	0.455899		0.932883	3 1					
Pr(ppm)	0.461905	-0.30111	-0.10969	-0.67943	0.268637	0.543441	0.498394	0.166787	-0.15324	0.073408	-0.13708	0.404443	-0.18103	-0.28202	-0.23952	-0.23024	-0.27435	-0.18539	-0.44649	0.798993	0.336244	-0.15013		0.599956	0.731314		1			
Sc(ppm)																											1			
Sm(ppm)	0.501822	0.89469	0.164237	0.049249	-0.74849	0.489604	0.189636	-0.58935	-0.56597	-0.2811	-0.7405	0.056999	-0.61835	0.895661	0.927896	0.501194	0.910193	0.829432	0.766208	0.447049	-0.88217	0.946143		0.680246	0.591324	0.11039	5	1		
Y(ppm)	0.322615	-0.32102	-0.02198	-0.35106	0.205287	0.26621	-0.41127	0.303123	0.430802	0.172048	0.171836	0.027103	0.660723	-0.34341	-0.28807	-0.17162	-0.29451	-0.27439	-0.0227	0.290498	0.361275	-0.16191		0.068965	0.26089	0.26082	1	-0.17391	1	i l
Yb(ppm)	0.355807	0.981999	0.163057	0.29724	-0.83025	0.313477	-0.00593	-0.64898	-0.51234	-0.27878	-0.65421	-0.05889	-0.49514	0.970577	0.991634	0.576523	0.990008	0.861621	0.933281	0.163085	-0.97909	0.990174		0.492232	0.359001	-0.2510	9	0.923583	-0.20764	∔ 1

Figure 16: Correlation Matrix for Chemical Analysis of Zone No. 1

Using the background elements concentration of the Rocks that were collected from the surface during the geochemical survey, the ICP results (ppm) for the pathfinder elements over Trenches 01, 02, and 03 have been classified into the background and maximum value for each element to define the dimensions of the altered zone, see (Table 10).

	Cu	Zn	Li	Ni	Pb	Sr	V
Background (ppm)	923	435	63	166	44	95	55
Max. (ppm)	20.5	205.7	17.8	210.6	28.9	224.7	12.8
	Y						
Background (ppm)	87						
Max. (ppm)	83.5						

Table 10: ICP Results of Base Metals & REE for Weak Zone 01

• Based on the table 01, the base metals exceeded their background values are: <u>Ni, Sr.</u>

Furthermore, five samples selected randomly earlier from Trench 11 and sent to the Jordan Atomic Energy Commission (JAEC) lab for analysis. The ICP (Table 11) results showing interest values that are indicated into alteration zone has certain strike, dip & dip direction embedded in the trench 11.

Li Ni V Cu Zn Pb Sr Background 933 427 60 130 45 95 55 (ppm) 225 80 1318 72 78 190 Max. (ppm) 140 Y Ba Background 49 220 (ppm) Max. (ppm) 19 2664

Table 11: ICP Results of Base Metals & REE For Trench 11

• Based on the Table 11, the base metals exceeded their background concentration are: <u>Zn, Li, Pb, Sr, and V.</u>

Ultimately, the XRD results have showed the major minerals deposited along the alteration layer extends over this zone "Quartz, Feldspar" and traces of "Muscovite, Hematite and Clay".

The borehole labeled no. 05 (Fig. 14) was determined after confirmed the final layout of the dip direction and direction of the alteration layer from the excavated trenches in the zone 01 – the determine borehole location was explained in the methodology section - The total depth of the drilled borehole is 43m and the altered layer was encountered based on the lithology description and ICP results of the pathfinder elements from depth 9 m and finished at depth 22m (Fig. 17).



Figure 17: Borehole Lithological Log vs Chemical Analysis

The thickness of altered layer has increased when moved toward the dip direction of the altered zone 01 (Fig. 18). Remarkably, the level values of pathfinder elements have increased along the dip direction of the altered layer.



Figure 18: Correlation between Borehole Log and Excavated Trench

6.2 The Results of zone No. 02

In the weak zone 02 four trenches were excavated. Each one was digitized on millimeter paper in addition to the structural measurements were documented (Fig. 19, 20, 21, 22). The chemical results were received included the following analysis ICP, XRF & XRD. The Zinc element was used to represent the rest of the pathfinder elements on millimeter paper as well as to correlate the altered layer over the weak zone.



Figure 19: Weak Zone 02, Digitized Trench 07



Figure 20: Weak Zone 02, Digitized Trench 08



Figure 21: Weak Zone 02, Digitized Trench 09


Figure 22: Weak Zone 02, Digitized Trench 10

The correlation of altered layer over the weak zone 02 was conducted by using Zn element as indication for the rest pathfinder element

over the weak zone 02. The correlated altered layer has final layout of structural measurements including the Strike, Dip & Dip direction (Fig. 23).

The XRD results have showed the major minerals deposited along the alteration layer extends over this zone "Anorthite, Feldspar (Albite, Microcline)" and minor of "Augite", Furthermore traces of "Quartz, Hematite and Gypsum".



Figure 23: Alteration Correlation in the Weak Zone 02

Moreover, the pathfinder elements of the alteration layer over the weak zone 02 was figured out using Correlation matrix. Due to total of 18 elements were received their ICP results from MEMR lab instead of 34 elements were planned to receive that issue had occurred in respond to the periodic maintenance that was implemented for the ICP tool in the MEMR lab. The correlation matrix among 18 elements of ICP results, the pathfinder & mother elements were determined (Fig. 24):

The pathfinder elements: Zn, Cu, Ni, Pb, Cr, Ba, Li, Sr, and Y. The mother rock elements: Zr.

	Co(ppm)	Cu(ppm)	Ga(ppni)	Li(ppm)	Ni(ppm)	Pb(ppm)	Sr(ppm)	Zn(ppm)	Nb(ppm)	Sn(ppm)	W(ppm)	Zr(ppm)	Ce(ppm)	La(ppm)	Nd(ppm)	Y(ppm)	Cr(ppm)	Ba(ppm)
Co(ppm)	1																	
Cu(ppm)		1																
Ga(ppni)	0.989478		1															
Li(ppm)	-0.10972	0.616284	-0.20483	1														
Ni(ppm)	-0.02957	0.556907	0.085589	0.595983	1													
Pb(ppm)	0.143067	0.966462	0.13373	0.607716	0.570984	1												
Sr(ppm)	-0.00502		0.114451	-0.56778	0.315869	-0.59649	1											
Zn(ppm)	-0.56946	0.956628	-0.4885	0.660962	0.616335	0.901971	0.780117	1										
Nb(ppm)	-0.17545		-0.25916	0.362315	-0.00428	0.784534	-0.92767	-0.67352	1									
Sn(ppm)	-0.54041		-0.56687	0.040042	0.278469	0.724927	-0.61436	-0.24265	0.852773	1								
W(ppm)	-0.56623		-0.66157	0.462542	-0.29513	0.384879	-0.8129	-0.28455	0.853344	0.813524	1							
Zr(ppm)	-0.51748	-0.7163	-0.45842	-0.71439	-0.76729	-0.67145	0.725302	-0.78781	-0.6811	-0.31134	-0.25341	1						
Ce(ppm)	-0.60242		-0.65678	0.06406	-0.02362	0.530407	-0.65044	-0.14859	0.820615	0.943099	0.908001	-0.15479	1					
La(ppm)	-0.62004		-0.70231	0.365068	-0.20871	0.417746	-0.76174	-0.22172	0.846599	0.867954	0.992121	-0.20604	0.949807	1				
Nd(ppm)	-0.54153		-0.62698	0.398877	-0.17074	0.504777	-0.82244	-0.33225	0.903115	0.882643	0.989827	-0.32264	0.93865	0.992587	1			
Y(ppm)	-0.87461		-0.90855	0.21274	-0.00528	0.262523	-0.44526	0.139961	0.624279	0.849116	0.869652	0.104357	0.899822	0.912126	0.873259	1		
Cr(ppm)	0.742644	0.298011	0.827854	0.269339	0.767246	0.32872	0.508852	0.24865	-0.46628	-0.47126	-0.8372	-0.36869	-0.6247	-0.80863	-0.76537	-0.80622	1	
Ba(ppm)	0.850241	0.88324	0.875956	0.655618	0.722961	0.934246	0.288171	0.863864	-0.46733	-0.75619	-0.76714	-0.78594	-0.88179	-0.82621	-0.76022	-0.93124	0.402261	1

Figure 24: Correlation Matrix for Chemical Analysis of Zone No. 2

Using the background elements concentration of the Rocks that were collected from the surface during the geochemical survey. The ICP results (ppm) for the pathfinder elements over the Trenches 07, 08, 09, 10 have been classified into background and maximum value for each element in order to figure out the dimensions of the altered zone, see (Table no. 12).

Table 12: ICP Results of Base Metals & REE for Weak Zone 02

	Zn	Cu	Pb	Cr	Ba	Li	Sr	Y
Background	427	933	44	154	220	60	95	49
(ppm)								
Max.	1185	226	148	205	927	132	247	64

Based on the table 12, the base elements exceeded their background concentration are:

Zn, Pb, Cr, Ba, Li, Y and Sr.

6.3 The Results of zone No. 03

In this zone total of three trenches were excavated, trench no. 04 and 05 were digitized and represented by Zinc element as indication for the rest pathfinder elements (Fig. 25, Fig. 26), whereas the trench no. 12 has been digitized and samples for chemical analysis were collected and sent to MEMR lab.



Figure 25: Weak Zone 03, Digitized & ICP Zn in Trench 04



Figure 26: Weak Zone 03, Digitized & ICP Zn in Trench 05

The correlation links the trenches 04, 05 and 12 dipping toward north east of the study area (Fig. 27). The correlation was established based on the ICP-Zn in ppm that represented the rest of the pathfinder elements.



Figure 27: Alteration Correlation in the Weak Zone 03

The pathfinder elements have been determined in the weak zone 03 using similar workflow series in the weak zone 01 & weak zone 02.

The pathfinder elements were determined using 31 elements instead of 34 elements recommended ICP-MS to analyze in respond to the periodic maintenance for the MEMR lab equipment.

According to the (Fig. 28), the pathfinder elements are Zn, Cu, Co, Cs, Li, Pb, Sr, V, Sn, and Ba.

Whereas mother rock elements are Zr, Be, Hf, Mo, Nb, W, Gd, La, Nd, Pr, Sm, and Yb.

	Be(ppm) Cd(ppm)	Co(ppm)	Cs(ppm)	Cu(ppm)	Ga(ppni)	Li(ppm)	Ni(ppm)	Pb(ppm)	Sr(ppm)	V(ppm)	Zn(ppm)	Hf(ppm)	Mo (ppm)	Nb(ppm)	Sb(ppm)	Sn(ppm)	W(ppm)	Zr(ppm)	Ce(ppm)	Dy(ppm)	Gd(ppm)	Ho(ppm)	La(ppm)	Nd(ppm)	Pr(ppm)	Sc(ppm)	Sm(ppm)	Y(ppm)	Yb(ppm)	Rb(ppm) Cr(opm) Ti((ppm)	Ba(ppm)
Be(ppm)	1														1																		
Cd(ppm)	1																																
Co(ppm)	0.148862	1																															
Cs(ppm)	0.223229	0.535606		1																													
Cu(ppm)	-0.12321	-0.11873	0.27220	7 '	1																												
Ga(ppni)	0.536341	0.10434	-0.1538	9 0.002909	9 ·	1																											
Li(ppm)	0.307632	0.805128	0.83771	9 0.050745	5 0.15419 [.]	1	1																										
Ni(ppm)	0.229421	0.737249	0.08602	9 -0.04585	5 0.35618	1 0.44895	1	1																									
Pb(ppm)	0.134516	0.258413	0.81155	3 0.727005	5 0.106214	4 0.58929	8 0.06115	4 1	1																								
Sr(ppm)	-0.34454	0.731582	0.54502	5 0.069097	7 -0.2695	1 0.68197	8 0.33	4 0.367843	3	1																							
V(ppm)	-0.19467	0.868146	0.59219	9 -0.093	1 -0.54052	2 0.78591	4 0.28872	2 0.264149	0.87908	3 .	1																						
Zn(ppm)	-0.11117	0.891922	0.66577	5 0.134912	2 -0.01972	2 0.87044	2 0.52429	3 0.48947	0.88383	8 0.950878	3 1	1																					
Hf(ppm)	0.09031	-0.71722	-0.8472	7 -0.03954	4 0.406699	9 -0.885	1 -0.0997	1 -0.54675	-0.8269	-0.880	7 -0.88081	1	1																				
Mo (ppm)	-0.4542	-0.22923	-0.1197	8 -0.00939	9 -0.2176	1 -0.2013	6 -0.367	9 -0.03883	-0.1449	4 -0.01153	3 -0.13155	0.0689	13	1																			
Nb(ppm)	0.11866	-0.70444	-0.8373	5 -0.01601	1 0.41773	7 -0.8708	4 -0.0605	7 -0.53444	-0.8261	3 -0.87713	3 -0.86971	0.99386	7 -0.0068	5 1	1																		
Sn(ppm)	-0.02543	-0.42724	-0.05473	3 0.90887	7 0.156875	5 -0.3208	4 -0.1366	8 0.48139	-0.3020	3 -0.42374	4 -0.23042	0.36060	5 0.02768	5 0.379767	7	1																	
W(ppm)	0.184304	-0.40978	-0.687	6 -0.13788	8 0.358984	4 -0.8031	7 0.26872	-0.56221	-0.7343	4 -0.7276	-0.74688	0.858	8 -0.0701	9 0.871133	3	0.245667	1																
Zr(ppm)	0.093146	-0.77306	-0.8502	5 -0.04578	8 0.090122	-0.8935	3 -0.3856	4 -0.56085	-0.8410	9 -0.87236	-0.89413	0.99745	3 0.06285	4 0.995236	5	0.379192	0.844839	1															
Ce(ppm)	0.214238	-0.59346	-0.8017	8 -0.11317	7 0.467576	6 -0.8137	8 -0.0398	-0.54209	-0.7492	8 -0.8360	-0.8208	0.96395	i9 -0.0240	4 0.961191	1	0.294535	0.868599	0.955017	1	1													
Dy(ppm)	0.121532	0.220018	-0.0175	9 0.037436	6 0.079326	6 0.17530	6 0.27183	6 -0.11003	3 -0.0803	4 0.17159	0.192769	-0.0910	8 -0.3482	4 -0.0285	5	-0.02374	0.024429	-0.04709	-0.19427	1	1												
Gd(ppm)	0.190103	-0.50301	-0.75352	2 -0.17266	6 0.47948 [.]	1 -0.6651	2 -0.2451	5 -0.49443	-0.6730	2 -0.6994	4 -0.69163	0.85677	4 0.23436	5 0.828645	5	0.204172	0.685771	0.852147	0.909005	-0.26338	3 1	1											
La(ppm)	0.217543	-0.55069	-0.723	3 -0.17638	8 0.450098	B -0.7496	4 -0.1242	-0.50282	-0.7411	8 -0.7876	-0.79617	0.8818	4 0.23280	2 0.852217	7	0.213931	0.794494	0.864479	0.9317	-0.35076	0.943694	4											
Nd(ppm)	0.231212	-0.54581	-0.7835	7 -0.19153	3 0.466478	B -0.7656	7 -0.1001	8 -0.55561	-0.7448	3 -0.7939 ⁻	-0.79856	0.92037	9 0.11675	7 0.904063	3	0.210922	0.831864	0.909175	0.97266	-0.25696	0.95863	3	0.984148	1									
Pr(ppm)	0.218058	-0.5453	-0.7836	9 -0.20794	4 0.44897 [.]	1 -0.7712	3 -0.1031	6 -0.56548	-0.7466	4 -0.7898	-0.80364	0.91845	7 0.14657	8 0.898136	6	0.194004	0.830186	0.90604	0.96715	-0.27072	0.959195	5	0.987107	0.998647	1	1							
Sc(ppm)	-0.04817	0.913702	0.69855	3 -0.17203	3 -0.42504	4 0.80806	7 0.3510	1 0.300377	0.87584	4 0.94298	0.914198	-0.9035	4 -0.1024	8 -0.90729	9	-0.49285	-0.67511	-0.91362	-0.809	0.024877	-0.70032	2	-0.72829	-0.7564	-0.74948	1							
Sm(ppm)	0.344887	-0.24812	-0.4739	2 -0.16612	2 0.61356	6 -0.5161	3 0.08949	8 -0.32077	-0.5860	3 -0.58667	-0.52762	0.7094	3 0.10110	9 0.686749	9	0.205633	0.739797	0.68251	0.811619	-0.32239	0.838888	8	0.842013	0.84281	0.843185	-0.47699	1						
Y(ppm)	0.015311	-0.76729	-0.8417	3 0.030242	2 0.33175	5 -0.8510	7 -0.2901	1 -0.47687	-0.7924	-0.85075	-0.85768	0.96895	4 0.19931	6 0.955346	6	0.40278	0.743337	0.975562	0.923567	-0.14405	0.889781	1	0.870608	0.902779	0.902483	-0.91549	0.652905	5 1					
Yb(ppm)	0.073456	-0.52218	-0.7675	6 -0.21804	4 0.354369	9 -0.825	9 -0.033	6 -0.59433	-0.6469	2 -0.74802	-0.77215	0.90750	2 0.06668	4 0.885267	7	0.173788	0.834254	0.888349	0.935747	-0.26976	0.861623	3	0.869666	0.903708	0.91171	-0.69477	0.81454	0.863158	1				
Rb(ppm)	0.276422	-0.37264	0.35726	8 0.521917	7 0.51278	5 0.04330	5 -0.4476	0.656884	-0.2591	4 -0.3982	-0.2018	3 0.04837	1 0.14247	1 0.030496	6	0.527825	-0.08918	0.037373	3 0.072425	-0.36515	0.146384	4	0.182118	0.100301	0.094901	-0.26318	0.245349	0.105081	0.011151	1			
Cr(ppm)	-0.05131	0.847884	0.26798	4 -0.1887	1 -0.15506	6 0.50761	9 0.81160	-0.0005	0.627324	4 0.717254	0.698745	-0.4731	5 -0.1659	6 -0.45668	3	-0.38361	-0.13243	-0.57682	-0.4064	0.164294	-0.4744	4	-0.42292	-0.4148	-0.40631	0.729674	-0.23112	-0.57672	-0.3085	-0.63626	1		
Ba(ppm)	0.524117	0.4262	0.1803	7 0.161867	7 0.344576	6 0.05464	4 0.4658	5 0.066027	0.09538	8 -0.05333	0.096186	-0.0458	-0.8781	5 -0.07534	1	0.076467	0.277276	-0.0936	0.106826	-0.29381	0.011813	3	0.319354	0.204939	0.204079	0.260487	0.527018	-0.21533	0.086961	0.227593 0.2	259498		1

Figure 28: Correlation Matrix for Chemical Analysis of Zone No. 3

Using the background concentration ppm of the pathfinder elements that were extracted from the geochemical survey Table 05, the base elements exceed the background limit are Zn, Cu, Co, Cs, Li, Pb, Sr, V, and Sn.

	Zn	Cu	Со	Cs	Li	Pb	Sr	V	Sn	Dy
Background (ppm)	427	933	10	5	60	44	95	55	6	17
Max. (ppm)	1659	1587	35	37	183	94	325	202	34	14
	Rb	Ba								
Background (ppm)	230	220								
Max. (ppm)	204	227								

Table 13: ICP Results of Base Metals & REE in the Weak Zone 03

The XRD has not analyzed for weak zone in respond to the similarity results to the weak zone 01 and zone 02 in term of alteration lithology characteristics.

In this zone, the Pathfinder elements are recorded values have more tendency toward anomaly values. In this zone and long over the direction of the altered layer, geophysical survey by resistivity method was conducted to figure out its dimension in the subsurface.

6.4 The Results of zone No. 04

Three trenches were excavated labeled Trenches 06A, 06B, and Tr06C. They have revealed two of alteration layer dipping within different direction.

The trenches have been digitized and represented according to pathfinder ICP-Zn element data, to clarify the alteration layer in term of strike, dip, dip direction & lithology (Fig. 29, Fig. 30, and Fig. 31).



Figure 29: Weak Zone 04, Digitized & ICP Zn in Trench 06A



Figure 30: Weak Zone 04, Digitized & ICP Zn in Trench 06B



Figure 31: Weak Zone 04, Digitized & ICP _Zn in Trench 06C

As mentioned in above, those trenches have revealed into two different dipping direction where Trench 06A has dipping direction to the southwest of the study area whereas Trenches 06B and 06C have dipping direction to the southeast of the study area (Fig. 32).

The Boreholes labeled BH07 and BH08 were projected close to the Trenches 06A and 06B, respectively, corresponding to the dip direction. The proposed boreholes will be drilled until encountered the altered layer accompany with sampling.

The pathfinder elements were identified for the weak zone 04 using correlation matrix by gathering the ICP results of the excavated trenches.



Figure 32: Dipping Direction Trench 06A & Trench 06B_06C

The Pathfinder elements have been determined based on the eight analyzed ICP results instead of 34 recommended elements ICP analyses. That attributed to the same reasons were encountered MEMR lab directorate for the samples zone labeled 03.

According to the correlation matrix of the zone 04 (Fig. 33), the pathfinder elements are: Cu, Zn, Ba, Pb, Li, Ni, and Cr.

Whereas the only element represents the mother rock in respond to the shortages in ICP-analysis is Zr.

	Cu(ppm)	Li(ppm)	Ni(ppm)	Pb(ppm)	Zn(ppm)	Zr(ppm)	Cr(ppm)	Ba(ppm)
Cu(ppm)	1							
Li(ppm)	0.361504	1						
Ni(ppm)	0.089636	0.692263	1					
Pb(ppm)	0.586947	0.817397	0.615888	1				
Zn(ppm)	0.386633	0.957395	0.763314	0.83389	1			
Zr(ppm)	-0.31525	-0.80215	-0.68568	-0.51361	-0.74647	1		
Cr(ppm)	0.041457	0.487426	0.898544	0.575243	0.582015	-0.42669	1	
Ba(ppm)	0.037122	0.267784	0.506464	0.165765	0.245113	-0.63841	0.492825	1

Figure 33: Correlation Matrix for Chemical Analysis of Zone No. 4

The Chemical Results ICP for trench 06A are given in the Table 14:

	Cu	Zn	Ba	Pb	Li	Ni	Cr
Background (ppm)	933	427	220	44	60	130	154
Max. (ppm)	281.6	1455	1686	88	333	107	309

Table 14: ICP Results of pathfinder elements Trench 06A

The pathfinder elements are recorded values exceeded limit their background is: Zn, Ba, Pb, Li, and Cr.

Regarding XRD analysis, the results were obtained in the weak zone01 has been represented to this zone as well due to the similarity of alteration characteristics.

6.5 Geochemical Interpretation of Sumr Al Taiyba Area

6.5.1 Introduction

The mountains of Sumr Al Taiyba consist of composite volcanos, which composed of acidic lava flows (Rhyolite), pyroclastic deposits like ignimbrites, Breccia & Tuff, mudflow (lahar) deposits and lava domes. Pyroclastic rocks are the most common rocks in the study area. The host rocks (composite volcanoes) Intersected by dykes rich in basic & ultrabasic components. Chemical anomalies are concentrated within diabase dykes, and the most important anomalies in this area are zinc, barium, lead, copper, lithium and zirconium, in addition to the presence of some other elements: such as scandium and cerium.

The diabase deposits which included by terrain in study area are emplaced varies. While traditional models set porphyry development in the root zones of upstanding calc-alkaline stratovolcanoes (Composite Volcanoes) and mineralization must be outcropped by considerable later uplift and erosion, many quality porphyry base metals and intrusion related ore deposits do not occur in association with related volcanic rocks. In addition, mineralization and volatiles may have been concentrated by retention within the magma chamber and concentrate in apophyses localized on major structures or adjacent subsidiary dilatant structural sites (Balaram & Sawant, 2022).

High sulphidation epithermal ore deposits display characteristic alteration, which aids target generation, and in some instances evolve to host marginal and overprinting lower sulphidation ores, which display improved metallurgy and metal grades.

6.5.2 Indicator minerals

The indicator minerals, which provide information of source magma chemistry, including crystallization temperatures, degree of fractionation, water content, and oxidation state. Indicator minerals have become important in the exploration of gold, diamond, rare earth elements (REE), platinum group elements (PGE), base metals, and lithium deposits in the past four decades and now. The most important indicator minerals in the study area are hematite, rutile, zircon, apatite, pyrite, sphlerite, magnetite, galena, clay minerals, zeolites & titanite. These minerals are resistant to weathering and so end up in the soil, till, or stream sediments, indicating their presence in the bedrock of a specific type of mineralization, hydrothermal alteration, or lithology, and these minerals are increasingly targeted in mineral exploration studies (Balaram & Sawant, 2022).

6.5.3 Pathfinder Elements

During exploration studies, pathfinder elements together with indicator minerals provide a means to evaluate large areas for their mineral potential by eliminating likely barren areas from the areas under consideration. The most important significant elements in the study area that appear strongly like zinc (Zn), zirconium (Zr), lead (Pb), and barium (Ba), in addition to other elements such as REE, W, Hf, Nb, Co, V, Sr & Ni. The Fig. 34 shows the main chemical elements and their anomalies with rocks changes in Sumr Al Taiyba area.



Figure 34: Lithological section of Fz01-BH5 borehole shows the main chemical elements and their anomalies with rock changes

Geochemical anomalies are geochemical features different from what is considered normal. They can be the result of unusual or uncommon processes concentrating particular elements (e.g. an ore-forming process, weathering and element dispersion from an unusual element concentration such as an ore body. Traditionally, geochemical anomalies have been identified by setting threshold values, which mark the upper and lower limits of normal variation for a particular population of data. Values within the threshold values are referred to as background values and those above or below as anomalies.

In mineral exploration, interest is generally in positive anomalies, on the assumption that ore deposits and their weathering have increased element abundances above normal crustal levels. However, negative anomalies can also be important, for example, where they reflect depletion in some elements during host rock alteration accompanying ore formation. Based on the foregoing, we will summarize chemical anomalies and determine interrelationships in the study area as follows:

6.5.3.1 Negative anomalies

Among the most important chemical elements that showed a negative anomaly in Sumr Al Taiyba region are Zirconium (Zr), in addition to other elements like LREE (Cerium (Ce), Lanthanum (La), Neodymium (Nd), Praseodymium (Pr) & Samarium (Sm)), some HREE like Yttrium (Y), potassium (K), Hafnium (Hf), Tungsten (W), Niobium (Nb) and tin (Sn).

6.5.3.2 Positive anomalies

Zinc (Zn), lead (Pb), Copper (Cu), lithium (Li) and barium (Ba) are considered, respectively, among the most important positive anomalies indicating the presence of the ore body, in addition to other elements such as Titanium (Ti), cobalt (Co), vanadium (V), strontium (Sr), nickel (Ni) & some HREE like scandium (Sc).

The Fig. 35 below shows the nature of relationships between the positive and negative anomalous chemical elements (Cu, Sr, Ba, K, Cs, Li, Zr, Hf, Nb, Ti, La, Ce, Pb, Ga & Zn) in diabase dikes.



Figure 35: Elemental correlation coefficient to Cu, Sr, Ba, K, Cs, Li, Zr, Hf, Nb, Ti, La, Ce, Pb, Ga & Zn in diabase dikes.

Fig. 36 also shows the prevailing trend that takes us towards the ore body in the study area based on diabase samples for Zn, Pb, Ba, Cu and Li. The above-mentioned element anomaly plot showed strong anomalies for Pb, Cu and Zn, with less strong anomalies for Li and Ba, noting that the prevailing direction of the anomaly in the region is toward the northeast of Sumr Al Taiyba Mountains, noting that research is still ongoing to determine the center of mineralization in the study area.





Figure 36: Anomalies of Zn, Ba, Pb, Li & Cu plot of latitude vs. longitude reflecting theirs distributions.

6.6 Economic Elements

Barium is considered an economically viable element, as the element is characterized by its high concentrations in the diabase dikes separating it, with relatively high concentrations in the host rocks, as the average element in the region reaches 837 ppm, with the highest value for this element in the region reaching 1791ppm (0.17 wt. %). Similar to barium, zinc has very high concentrations, which have reached 1825 ppm (0.18 wt. %) in the diabase dikes up to this moment, with an average of 837.5 ppm. Lithium is also considered an economically viable element in the diabase dikes, with the highest value of the element reaching approximately 357 ppm, noting that the average concentrations of the element in samples are equal to 137.5 ppm. As for zirconium, its concentrations in the study area, within the host rocks, reached 1083 (0.10 wt. %) ppm, with an average of 727 ppm, which are relatively high concentrations when compared it to its concentrations in different places of Jordan.

7. CONCLUSION

The mountains of Sumr Al Taiyba consist of composite volcanos, which composed of acidic lava flows (Rhyolite), pyroclastic deposits like ignimbrites, Breccia & Tuff, mudflow (lahar) deposits and lava domes Intersected by dykes rich in basic & ultrabasic components. Chemical anomalies are concentrated within diabase dykes, and the most important anomalies in this area are zinc, barium, lead, copper, lithium and zirconium, in addition to the presence of some other elements: such as scandium and cerium.

Such this discovered kind of alteration layers' interest with strike, dip and dip direction as well as remarkable concentration of pathfinder elements are indicating into vast subsurface mineralization taken place within certain environment of epithermal sulfidation process that is divided into high sulfidation, intermediate sulfidation and low sulfidation.

According to the ICP results of the requested elements, included precious base and rare earth elements in the four weak zones, the alteration layers deposited in the weak zone 03 and weak zone 04 are recorded the highest values. In addition to the altered layer deposited along the strike trench 11.

Generally, hematite, rutile, apatite, pyrite, magnetite, ilmenite, clay minerals, halite, gypsum, zeolites, corundum &

titanite are the most lithified indicators encountered in the alteration layers as they are playing major proves for alteration process occurred within particular condition of halo oxidation which is resulted by low to intermediate epithermal sulfidation process. Moreover, this type of discovered pathfinder elements that were mentioned above are well guidance for low epithermal mineralization deposited long over 300 m with varieties of thicknesses.

Based on the explored of pathfinder elements in each weak zone by using correlation matrix, the following pathfinder elements included Zn, Cu, Li, Pb, Sr, V, Cr and Ba are the most predominant type in the four weak zones, whereas the following pathfinder elements included Co, Cs, Sn, and Y are less common in the four weak zones. Remarkably, the weak zone 03 and weak zone 04 are recorded interesting values of the pathfinder elements.

The most important chemical elements that showed a negative anomaly in Sumr Al Taiyba region are Zr, in addition to other elements like LREE (Ce, La, Nd, Pr & Sm), K, Hf, W, Nb, Sn & some HREE like Y.

Zn, Pb, Cu, Li & Ba are considered, respectively, among the most important positive anomalies indicating the presence of ore body, in addition to other elements such as Ti, Co, V, Sr, Ni & some HREE like Sc. Presence of Pb, Cu and Zn, with less strong anomalies for Li and Ba, indicate that the prevailing direction of the anomaly in the region is toward the northeast of Sumr Al Taiyba Mountains, noting that the research is still ongoing to determine the center of mineralization in the study area.

Ba, Zn, Zr & Li are considered among the most important elements that may be economically viable in the study area.

Sumr Al Taiyba has to subject into further of developed prospecting studies including Geophysical studies, tilted angle of core drilling, advance chemical analysis and alteration anomaly extraction in remote sensing in order to figure out the main source of alteration layer as well as the subsurface bodies of mineralization ore.

8. APPENDICES

8.1 APPENDIX A8.1.1 TABLES

Appendix 1: Results of stream sediment samples and HMC (BRGM).

S_ID	X_UTM	Y_UTM	Туре	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	K ₂ O	MnO	TiO ₂	Р
2109	721863	3362188	SS	84.4	8.9	4.6	4.5	1.3	3.6	0.1	0.72	1764
2110	721970	3361991	SS	103	12.7	11.4	5.5	2.4	4.9	0.3	2.19	2795
2111	722476	3360920	SS	73	8.6	4.1	11.9	1.6	3.5	0.1	0.68	2206
2112	721549	3360293	SS	81.2	9.8	5.5	7	1.5	4.1	0.1	1.16	2831
2113	721310	3360257	SS	91.4	9.6	2.9	4.8	0.4	4.9	0.1	0.26	527
2114	720804	3360062	SS	93.1	10.3	3.1	3.4	0.6	5.2	0.1	0.34	597
2115	719967	3359680	SS	76.9	8.6	3.2	2.5	0.5	-0.1	0.1	0.29	477
2116	719921	3359901	SS	74.7	7.1	3.2	3.8	0.3	3	0.1	0.24	403
2117	719318	3359288	SS	80.6	2.3	1.6	7.5	0.2	1.4	0	0.11	1066
2118	719632	3360593	SS	74.8	7.7	3.7	2.9	0.4	2.9	0.1	0.29	435
2119	720001	3360646	SS	70.4	8.3	4.6	2.5	1	3.2	0.1	0.56	774
2120	720098	3360754	SS	71.2	8.7	5	2.4	1.2	3.1	0.1	0.58	1011
2121	720114	3360958	SS	73.3	8	5.4	2.8	0.8	3.4	0.1	0.91	1379
2122	720136	3361245	SS	69.6	8.6	6.3	4.2	1.8	3.6	0.2	1.07	1758
2123	720903	3361394	SS	76.8	7.8	4.8	2.9	0.8	3.1	0.1	0.56	948
2124	720093	3361650	SS	76	7.8	5.4	2.5	1	3.4	0.1	0.74	1208
2125	719959	3361925	SS	82.8	9.5	3.5	2.8	0.9	3.6	0.1	0.39	614
8598	722605	3361620	HMC	45.7	1	10.3	20.6	3.5	0.3	0.2	2.31	61503
8599	721101	3360017	HMC	85.4	0.8	3.6	7.4	0.8	0.3	0	0.41	3561
8600	719979	3359495	HMC	80.9	0.7	4.7	7	0.7	0.3	0	0.46	4098
8601	719478	3360400	HMC	83.3	0.9	3.8	7.1	0.7	0.4	0.1	0.54	3392
8602	719951	3361108	HMC	66.1	3.3	21	3.5	1.7	0.9	0.5	8.7	2442
S_ID	Li	Be	В	V	Cr	Co	Ni	Cu	Zn	As	Sr	Y
2109	28	6	32	42	25	14	25	16	206	-31	105	68
2110	57	9	37	125	31	23	34	35	477	-34	142	91
2111	27	4	32	40	24	18	29	14	168	-6	193	52
2112	20	5	32	64	38	14	26	16	134	1	195	68
2113	14	5	32	20	11	10	20	10	97	-26	92	75
2114	19	5	30	24	12	9	21	20	113	-33	83	74
2115	-2	6	37	28	7	-3	10	6	126	46	5	61
2116	12	6	36	21	12	15	25	5	116	83	73	68
2117	5	2	36	16	13	14	26	24	41	33	54	24
2118	17	6	35	30	15	16	27	5	188	78	52	74
2119	28	5	33	54	20	19	30	8	237	100	64	60
2120	31	6	31	61	32	18	32	14	289	100	67	60
2121	16	5	31	66	16	20	31	12	172	92	67	65
2122	22	5	31	87	32	22	43	15	308	111	78	61
2123	15	7	34	49	24	19	33	9	207	81	51	77
2124	16	6	35	53	20	19	29	13	208	97	49	75
2125	21	6	37	35	12	-4	9	19	166	-16	87	70
8598	11	2	48	224	133	18	98	32	241	60	639	56
8599	5	1	41	49	28	8	35	23	76	54	110	21
8600	5	1	59	56	28	20	44	17	105	78	101	27
8601	6	1	47	42	23	24	45	12	98	71	132	23
8602	18	3	41	485	49	46	70	25	687	104	91	50

S_ID	Nb	Мо	Ag	Sn	Ba	La	Ce	W	Pb	Bi	Zr	Au
2109	44	12	0.6	21	271	69	146	22	39	30	784	
2110	74	19	0.5	30	511	105	228	40	124	14	917	5
2111	34	16	0.8	28	403	49	128	22	35	28	575	
2112	48	18	0.4	24	436	73	170	30	44	8	822	
2113	45	14	0.6	20	337	73	172	31	34	57	809	
2114	46	15	0.4	22	368	75	170	27	39	20	779	
2115	42	-4	-0.4	5	227	60	144	64	39	-25	628	
2116	52	5	1.4	25	333	62	153	68	50	-21	854	
2117	20	0	1.2	20	224	25	63	49	37	-1	317	
2118	53	7	1.2	25	145	71	175	68	56	-3	830	
2119	47	7	1.2	27	302	58	144	79	76	6	633	
2120	47	7	1.2	25	304	60	143	80	100	9	615	
2121	55	8	1.4	26	227	63	163	76	63	10	776	
2122	49	6	1.4	30	310	53	132	79	61	-9	685	
2123	57	7	1.4	28	180	69	167	76	61	-3	915	5
2124	58	7	1.3	29	152	76	178	79	63	14	889	
2125	43	-4	-0.7	7	203	67	147	39	27	13	732	
8598	36	0	0.1	4	4376	50	59	29	104	-8	146	
8599	21	6	0.2	19	488	28	31	27	53	-8	935	
8600	28	17	1.1	26	698	34	42	32	52	-18	1658	
8601	26	18	1.3	34	342	35	52	28	56	-10	1298	
8602	99	28	0.6	35	265	67	129	48	81	-43	2020	

Appendix 2: Summary of catchment & sub-catchment areas and the number of proposed samples within the study area.

	CATCHMENT AREAS BRGM Results No. of													
		BR	GM R	esults		Ν	No. of							
Catchment	Priority		(ppm)	Area	Sa	mples	Notes						
ID	, i i i i i i i i i i i i i i i i i i i	Au	Pb	Zn	(sq.m)	SS *	HMC*							
C-1	Α	5	123	477	53542	2	2	Zn, Pb, (Au) anomalies						
C-2	Α	5	123	477	10169 1	4	2	Zn, Pb, (Au) anomalies						
C-3	Α	5	123	477	74271	3	2	Zn, Pb, (Au) anomalies						
C-4	Α	5	61	207	17362 5	5	5	Zn, Pb, (Au) anomalies						
C-5	В	-	61	308	45845 8	4	2	Zn, Pb anomalies						
C-6	В	-	100	289	93069	3	1	Zn, Pb anomalies						
C-7	В	-	100	289	97133	1	1	Zn, Pb anomalies						
C-8	В	-	76	237	12532 1	2	1	Zn, Pb anomalies						
C-9	В	-	63	208	14043 5	2	2	Zn, Pb anomalies						
C-10	С	-	63	172	51206 6	3	1	Pb anomaly & high Zn background						
C-11	D	-	39	206	12421 3	1	0	Zn anomaly						
C-12	D	-	39	206	42483	1	0	Zn anomaly						
C-13	D	-	56	188	62301	1	1	High Zn & Pb background						
C-14	D	-	35	168	26468	0	0	Rock sampling prospecting						
C-15	D	-	27	166	91815	2	0	Moderate Zn & low Pb background						
C-16	D	-	44	134	12832 6	2	0	Zn & Pb shows						
C-17	D	-	39	126	19544	0	0	Rock sampling prospecting						
C-18	D	-	50	116	113072	2	1	Zn show & high Pb background						
C-19	D	-	39	113	14544 0	2	1	Zn show & high Pb background						
C-20	D	-	34	97	23505 5	2	2	Zn show & moderate Pb background						
C-21	Е	-	-	-	22806 4	1	1	Close to gold shows						
C-22	Е	-	-	-	10940 9	1	0	Close to gold shows						
C-23	Ε	-	-	-	57319	1	1	Close to gold shows						
C-24	Ε	-	-	-	32737	1	1	Close to gold shows						
C-25	E	-	-	-	41172	1	1	Close to gold shows						
C-26	E	-	-	-	62352	1	0	Close to Zn & Pb anomalies						
C-27	E	-	-	-	79401	1	0	Close to Zn & Pb anomalies						
C-28	Е	-	-	-	55710	1	1	Close to Zn & Pb anomalies						
C-29	E	-	-	_	86044	1	1	Close to Zn & Pb anomalies						
C-30	Ε	-	-	-	83557	1	1	Close to Pb anomaly						
C-31	F	-	-	-	27856	0	0	Rock sampling prospecting						

C-32	F	-	-	-	61454	0	0	Rock sampling prospecting
C-33	F	-	-	-	60093	0	0	Rock sampling prospecting
C-34	F	-	-	-	54304	0	0	Rock sampling prospecting
C-35	F	-	-	-	37651	0	0	Rock sampling prospecting
C-36	F	-	-	-	16857	0	0	Rock sampling prospecting
C-37	F	-	-	-	49843	0	0	Rock sampling prospecting

Continue

C-38	F	-	-	-	53243	0	0	Rock sampling prospecting
C-39	F	-	-	-	37758	0	0	Rock sampling prospecting
C-40	F	-	-	-	86403	0	0	Rock sampling prospecting
C-41	F	-	-	-	52725	1	0	Rock sampling prospecting
C-42	F	-	-	-	57160	0	0	Rock sampling prospecting
					Sum	53	31	

*SS: stream sediment samples, *HMC: heavy mineral concentrates.

أحواض التصريف المائي الثانوية (Subcatchment)													
Catchment	Duiouiter	BRG	M Result	s (ppm)	Area	Natar							
ID	Priority	Au	Pb	Zn	(sq.m)	INOTES							
C-1A	A	5	123	477	29238	Zn, Pb, (Au) anomalies							
C-2A	A	5	123	477	20750	Zn, Pb, (Au) anomalies							
C-2B	A	5	123	477	45883	Zn, Pb, (Au) anomalies							
C-2C	Α	5	123	477	14590	Zn, Pb, (Au) anomalies							
C-3A	Α	5	123	477	26249	Zn, Pb, (Au) anomalies							
C-3B	Α	5	123	477	10543	Zn, Pb, (Au) anomalies							
C-4A	Α	5	61	207	16922	Zn, Pb, (Au) anomalies							
C-4B	Α	5	61	207	22089	Zn, Pb, (Au) anomalies							
C-4C	Α	5	61	207	30456	Zn, Pb, (Au) anomalies							
C-4D	Α	5	61	207	39067	Zn, Pb, (Au) anomalies							
C-5A	В	-	61	308	341856	Zn, Pb anomalies							
C-5B	В	-	61	308	206772	Zn, Pb anomalies							
C-5C	В	-	61	308	108049	Zn, Pb anomalies							
C-6A	В	-	100	289	33531	Zn, Pb anomalies							
C-6B	В	-	100	289	19458	Zn, Pb anomalies							
C-8A	В	-	76	237	50799	Zn, Pb anomalies							
C-9A	В	-	63	208	31723	Zn, Pb anomalies							
C-10A	С	-	63	172	318250	Pb anomaly & high Zn background							
C-10B	С	-	63	172	153237	Pb anomaly & high Zn background							
C-15A	D	-	27	166	44689	Moderate Zn & low Pb background							
C-16A	D	-	44	134	70289	Zn & Pb shows							
C-18A	D	-	50	116	59196	Zn show & high Pb background							
C-19A	D	-	39	113	71202	Zn show & high Pb background							
C-20A	D	- 34 97		114654	Zn show & moderate Pb background								

Appendix 3: Results of the orientation survey stream sediment samples in the laboratories of JAEC and MEMR.

• JAEC laboratory

							الأردنية	اقة الذرية	هيئة الطا							
ID	Ва	Bi	Cd	Co	Cr	Cu	La	Li	Мо	Ni	Pb	Y	Zn	Zr	Th	U
ST-S-1	528.29	<18.29	<1.81	78.03	<105.89	93.38	<50.62	<136.20	<36.96	41.25	98.18	53.72	411.57	474.57	55.90	7.00
ST-S-1a	479.38	<18.29	<1.81	74.86	<105.89	85.04	<50.62	<136.20	<36.96	40.06	<71.93	49.58	426.19	432.76	<8.75	<4.78
ST-S-2	491.52	<18.29	<1.81	73.52	<105.89	93.26	51.34	<136.20	<36.96	40.40	<71.93	57.41	391.58	500.03	8.96	<4.78
ST-S-2a	482.69	<18.29	<1.81	64.36	<105.89	85.09	<50.62	<136.20	<36.96	36.51	<71.93	56.00	424.21	489.50	<8.75	<4.78
ST-S-3	471.79	<18.29	<1.81	<37.38	<105.89	49.98	65.06	<136.20	<36.96	27.03	72.92	65.69	419.30	560.11	9.88	<4.78
ST-S-3a	460.87	<18.29	<1.81	<37.38	<105.89	49.42	57.30	<136.20	<36.96	27.22	72.34	59.44	403.94	497.04	11.46	<4.78
ST-S-4	580.86	<18.29	<1.81	<37.38	<105.89	45.33	73.41	<136.20	<36.96	<26.31	99.80	74.43	413.40	606.57	13.66	6.15
ST-S-4a	551.30	<18.29	<1.81	<37.38	<105.89	46.49	72.85	<136.20	<36.96	<26.31	84.56	69.19	406.33	571.06	9.06	4.89
ST-S-5	599.00	<18.29	<1.81	<37.38	<105.89	45.69	78.28	<136.20	<36.96	<26.31	103.81	75.59	423.63	618.82	10.42	5.36
ST-S-5a	438.75	<18.29	<1.81	<37.38	<105.89	54.63	60.85	<136.20	<36.96	26.62	<71.93	59.81	404.52	501.68	<8.75	<4.78
ST-S-6	512.49	<18.29	<1.81	<37.38	<105.89	42.77	83.46	<136.20	<36.96	<26.31	77.94	77.60	441.10	640.10	11.30	5.67
ST-S-6a	465.72	<18.29	<1.81	<37.38	<105.89	40.20	72.05	<136.20	<36.96	<26.31	77.93	67.72	418.72	545.20	<8.75	<4.78
ST-S-7	545.70	<18.29	<1.81	56.52	<105.89	85.79	67.62	<136.20	<36.96	33.98	89.16	67.29	656.73	582.04	8.80	<4.78
ST-S-7a	644.48	<18.29	<1.81	47.90	<105.89	80.15	86.02	<136.20	<36.96	<26.31	152.16	69.73	541.85	607.66	<8.75	<4.78
ST-S-8	808.05	<18.29	<1.81	51.66	<105.89	94.26	84.19	<136.20	<36.96	28.85	163.02	72.45	591.02	630.60	10.47	5.11
ST-S-8a	469.57	<18.29	<1.81	52.32	105.97	83.78	55.30	<136.20	<36.96	28.15	83.45	56.30	592.42	486.46	<8.75	<4.78

• MEMR laboratory

											MEM	R Laborat	ory										
#	S.ID	Co_ppm	Cs_ppm	Cu_ppm	Ga_ppm	Li_ppm	Ni_ppm	Pb_ppm	Sr_ppm	V_ppm	Zn_ppm	Hf_ppm	Zr_ppm	Ce_ppm	Dy_ppm	Gd_ppm	La_ppm	Nd_ppm	Pr_ppm	Sc_ppm	Sm_ppm	Y_ppm	Yb_ppm
1	ST-S-1	35.3	5.1	58.2	25.5	40.4	82	88.3	139.3	270.6	346.6	8.7	369.7	115.4	21.4	21.9	50.8	53.7	15.9	10.7	17.2	45.5	5.7
2	ST-S-1a	32.3	2.5	58.8	23.8	38.6	88.8	66.3	144.8	237.5	369.3	7.7	333.2	110.1	6	20	49.3	52.2	15.1	10.6	16.4	40.7	5.2
3	ST-S-2	31.5	2.5	60.5	26.3	37.7	72.9	69.3	137.2	236.5	333.1	9.3	384.2	112.9	10.3	21.5	52.1	55.1	15.8	10.4	17.8	47.2	5.7
4	ST-S-2a	27.1	2.5	48.1	22.3	35.8	74.1	51.5	115.3	205.2	351.4	8.4	364.4	106.2	9.1	18.9	48.2	50.4	13.8	9.2	15.6	44.7	5.3
5	ST-S-3	14.4	5.8	36.5	22.2	37.5	62.8	69.1	96.8	96.7	340.8	9.5	412.6	130.1	12.3	17.2	58.2	57.4	15.3	6.1	14	51.2	5.4
6	ST-S-3a	13.9	5.6	34.7	19.3	35	48.3	65.5	99.7	97.3	338.4	8.4	368.4	120.3	11.3	16	53.5	53.5	14.4	6.1	12.9	46.3	2.5
7	ST-S-4	12.2	6.6	30.7	10.9	41.9	61.2	88.4	83.6	77.7	348.2	11.5	485.9	151.4	16	19.4	67.4	65.9	17.8	2.5	15.2	61.2	6.4
8	ST-S-4a	14	6.2	33.8	22.2	44.2	48	100.5	92.4	79.7	371.5	9.5	411.8	145.1	13.2	17.7	63.6	63	16.3	5.4	14	52.1	5.5
9	ST-S-5	13.2	6.5	30.8	22.7	41.4	38.5	90.1	82.9	80.1	348	11.3	482.4	151	15.4	19.1	65.8	64.7	17.3	2.5	14.9	59.6	6.2
10	ST-S-5a	14.2	5.5	35	19.8	36	50.9	59	100.7	93.9	336.5	8.5	369.4	120.2	11.6	16.1	52.3	53.1	14.3	6.1	12.9	46	2.5
11	ST-S-6	16.3	6.7	35.5	17.2	49.5	101.9	69.1	83.3	56.8	348.9	11.3	477.7	154.6	14.5	18.1	68.5	66.7	18.1	2.5	14.7	58.9	6.1
12	ST-S-6a	10.8	6.3	26.6	20.7	42.1	40.9	65.5	81.3	59.2	349.5	10.1	433.4	102.7	12.4	16.4	64.5	62.6	17.2	2.5	14	54.4	5.6
13	ST-S-7	25.8	7.8	61.8	24.9	37.6	75.8	100.9	108.5	188.6	576.2	11	438.3	143.2	12	21.4	62.7	63.8	17	9	18.1	52.5	6.1
14	ST-S-7a	18.4	8.1	54.3	23.9	27.2	68	146.2	85.3	167.5	465.6	11.3	473	181	7	22.4	80	79.4	21.4	6.8	20.1	58.1	6.8
15	ST-S-8	21.9	8.5	58.5	25.5	31	72.4	160.2	89.8	177.8	490.5	11.7	507.2	182.6	6.4	24.4	79.3	76.8	21.5	7.2	19.6	60.1	7.1
16	ST-S-8a	21.5	7.1	54.7	21.6	32	78.1	81.2	97.1	165.3	505.9	9.2	387.9	129.9	12	18.7	58.1	58.6	15.7	8.2	17.2	47.6	5.4

8.1.2 MAPS

Appendix 4: Maps of Pb, Zn, and Cu results from JAEC & MEMR laboratories.



• Pb maps

• Zn maps





• Cu maps



8.2 APPENDIX B

8.2.1 Trenches Informative Data

							T.R Dime	nsion							Turk LTing it.							Altra	ation Orientation					
one +A3:Y62	X	Y	Z	TR.ID					Coordinates			T.D(m)	Overburden(cm)			Trench drilli	ng info.					A	tration Zone				Dip	Geologist
					Trench Line	Wall Type	Direction	X	Y	1			Min	Max	Start	End	Drilling Activity	From	To	Width	Intesity	Type	Style	Mineralization	Strike	Dip	Direction	Ŭ
																		1	1.33	0.33	strong	propylific	oxidation halos	fe-mn. sulfide. carbonate				
																		3	4	1	medium	nonvitic	oxidation halos	fe-mn sulfide carbonate				
					Start Point	Hang wall	162 SSE	721857	3361724	279								4	5	1	ctrong	nmnultic	ovidation halos	fe-mn sulfide carbonate				
				Tr 04							11	1	01	0.4	1/26/2023	1/30/2023	hummar & Track hadar		5.60	0.62	Stitut	propyati	onidation halos	for mer sufficier conference	210	76	SEE	Freidaan & Ales
				11.01					1			1	0.1	0.7	1/20/2025	1/30/2023	initial & Hote Douce	5 CO	0.00	0.03	liculuii	piopyill	UARADOII IRDOS	ic-init, sumue, caroonate	210	10	JLL	Lizableen et rasa
					E-I D-i-t	Featurel	0.40 ABUA	704050	0004704	070								0.03	0.1	0.4/	strong	propymic	OXICATION RAIOS	ie-mi, suinde, carbonale				
					End Point	FOOTWAI	342 ININIV	/21803	3301734	2/8								0.1	1	0.9	medium	propylinc	OXADADON BALOS	le-mn, sulide, carbonate				
																		8.33	8.56	0.23	strong	propylitic	oxidation halos	te-mn, sulhde, carbonate				
1	721838	3361722	276		a		171.005	704005	0004700									1.1/	1.34	0.62	strong	propylitic	oxidation halos	te-mn, sulhde, carbonate				
				Tr. 02	Start Point	Hang wal	1/4 SSE	/21885	3361722	281	10	1	0.1	0.5	1/24/2023	1/25/2023	hammar & Track loader	3	4.22	1.25	strong	propylitic	oxadation halos	te-mn, sulhde, carbonate	198	60	SEE	Ezaldeen & hamidi
					- 10 I.			704000	0004700	000								0.30	8.14	1./8	medium	propyline	OXADADON BALOS	Te-mi, suibde, carbonate, black mineral, calcite				
					End Point	Footwal	354 NNW	/21883	3361730	280								8.14	9.5	1.36	strong	propylitic	oxadation halos	te-mm, sulhde, carbonate, salt				
					Start Point	Footwal	312 NW	721835	3361718	277								4	5	1	strong	propylitic	oxidation halos	te-mn, sullide, carbonate, chionte, copper, epidote				
				Tr. 03							10	5.5	0.3	1.5	30-Jan-23	1/31/2023	Track loader	5	6	1	strong	propylitic	oxidation halos	fe-mn, sullide, carbonate, chlorite, copper, epidote	76	76	SSE	Ezaldeen & Alaa
					End Point	Hang wall	132 SE	721842	3361712	278								6	1	1	strong	propylitic	oxidation halos	fe-mn, sulfide, carbonate, chlorite, copper, epidote				
				Tr11	Start Point	Hang wall	180 S	721867	3361710	278	54	25	0	01	20-Jun-23	6/20/2023	Track loader	0	31	31	strong	propylitic	ovidation halos	fe-mn clav sulfides sulfer	283	70	SW	Alaa F7
					End Point	Footwal	360N	721866	3361715	276			Ľ.	•		0202020		, in the second	•	•	outing	p.opj		to miljosiji canooj canor			•	
				Tr 07	Start Point	Hang wall	168 SSE	721909	3361672	278	12	1	0	0.25	10-Anr-23	4/12/2023	Hammar	3	4	1	Slightly	propylitic	oxidation halos	fe-mn, sulfide, carbonate, chlorite	254	50	SE	Azmi
				11.07	End Point	Foot wall	332 NNW	71906.486	3361683.7	278	12		0	0.25	10-114-25	412/2023	TRATILINE	4	5	1	Strong	propylitic	oxidation halos	fe-mn, sulfide, carbonate, chlorite, Blue mineral	254	50	SE	1011
																		0	0.25	0.25	Medium	propylitic	oxidation halos	Gypsum, Carbonate	254	50	SE	
				T-00	Start Point	Hang wall	140 SE	721898	3361670	250	10		0	0.1	2.14 22	2.16-22	Techlader	0.25	1.6	1.35	strong	propylitic	oxidation halos	Carbonate, Caly	254	50	SE	AT A10
,	701001	2201000	274	11.00							10	2	0	0.4	2-May-25	2-May-25	ITACK JORDER	8.275	8.425	0.15	Strong	propylitic	oxidation halos	Chy	230	50	SSE	HII AI SITIBOI, AIBB, E
4	121091	3301000	214		End Point	Footwall	320 NW	721891.58	3361677.7	250								8.425	8.525	0.1	strong	propylitic	oxidation halos	Carbonate, Clay	230	50	SSE	
				T 00	Start Point	Foot wall	232 NNW	721886	3361671	280				0.07	(1. 0)			0.07		0.15							40	
				11.09	End Point	Hang wall	172 SSE	721889	3361666	280	8	1.75	0	0.65	6-Jun-23	7-Jun-23	Track loader	0.95	1.1	0.15	strong	propylitic	oxadation halos	te-mn, carbonate	250	30	SE	Alaa, Azmi
				T (0	Start Point	Foot wall	214 NW	721878	3361662	283	10				0 1 00	7 1 00	T 11 1	5.9	6.8	3 0.9	3 strong	propylitic	oxidation halos	fe-Mn, Carbonate	254	60	SE	
				11.10	End Point	Hang wall	130SE	721886	3361658	281	13	2	0	0.6	6-JUN-23	7-Jun-23	I rack loader	9.3	9.5	0.2	strong	propylitic	oxidation halos	Fe-Mn, Clay	254	60	SE	Alaa, Alaa, Qasim
						Ŭ												1.34	2	0.66	strong	propylitic	oxidation halos	fe-mn, sullide, carbonate, chlorite, copper, epidote				
					Start Point	Hang wall	75 NE	721561	3361536	296								2	2.84	0.84	strong	propylitic	oxidation halos	fe-mn. sulfide, carbonate, chlorite, calcite				
				Tr. 04							8	1	0	0.3	6-Feb-23	8-Feb-23	hammer	3.54	43	0.76	strong	propylitic	oxidation halos	e-mn. sulfide, carbonate, chlorite, calcite, salt, øvnsu	150	70	NE	Azmi
																						propjine		,,				
					End Point	Footwal	255 SW	721553	3361533	297								5.94	6.3	0.36	strong	propylitic	oxidation halos	fe-mn, sullide, carbonate, chlorite, copper, epidote				
3	721553	3361516	294															0	1	1	Strong	propylitic	oxidation halos	fe-mn. sulfide. calcite. black minerals.				
					Start Point	Hang wall	82 NE	721560	3361529	296								1	1.5	0.5	Strong	propylitic	oxidation halos	fe-mn. sulfide. calcite.				
				T 05									0.05		10 00 0000	45 100 10000		1.5	1.88	0.38	Strong	propylitic	oxidation halos	fe-mn, sulfide, calcite.	450			1 105
				Ir. Ub							8	1.4	0.05	0.7	13/02/2023	15/02/2023	nammer	1.88	2.31	0.43	Strong	propylitic	oxidation halos	fe-mn. sulfide. calcite. copper	150	/0	NE	Jawai & Ez
					End Point	Foot wall	262 SW	721552	3361527	297								3.71	4.54	0.83	medium	propylitic	oxidation halos	fe-mn, sulfide, calcite, carbonate				
																		4.54	5.4	0.86	strong	propylitic	oxidation halos	fe-mn, sulfide, calcite.				
																		4.1	4.85	0.75	strong	propylitic	oxidation halos	fe-mn, sulfide, calcite, gypsum, BM				
					Ciari Daini	lleasual		704074	0004750	075								6	7	1	strong	propylitic	oxidation halos	fe-mn, sulfide, gypsum, Anhydrite.				
					Statt Point	mang wai	30 INE	1210/1	3301/30	2/0								9	10	1	strong	propylitic	oxidation halos	fe-mn, sulfide, gypsum, calcite, BM.				
				T. 004							00		0.45	0.45	07/00/0000	07/00/0000	Teachileadar	11.5	12.5	1	strong	propylitic	oxidation halos	fe-mn, sulfide, gypsum, calcite.	400	00	0.014/	Invest & En
				11. UOA							20	2.0	0.10	0.40	21/02/2023	21/02/2023	LISCK IDSDEL	13	13.35	0.35	strong	propylitic	oxidation halos	fe-mn, sulfide, gypsum.	100	02	22M	Jawai & Ez
					Fod Doint	Festual	240.000	704000	0004700	070								13.35	15	1.65	medium	propylitic	oxidation halos	Carbonate				
					End Point	FOOLWAI	210.5W	121002	3301139	210								15.95	16.75	0.8	strong	propylitic	oxidation halos	Sulfides, calcite				
																		17	17.15	0.15	strong	propylitic	oxidation halos	sulfides.				
																		0	1	1	strong	propylitic	oxidation halos	Calcite, carbonate				
	704074	0004750	075		Clark Daire	llaasual	244 NININ	704000	0004700	175								1	1.4	0.4	strong	propylitic	oxidation halos	sulfides, calcite.				
4	/210/1	3301/00	2/0		Statt Point	mang wai	3 44 ININIV	121000	3301/00	2/0								1.9	2.36	0.46	strong	propylitic	oxidation halos	sulfides, calcite.				
1				Tr ACD							40	4.05	04	0.45	12/02/0000	15 00/0000	Trook lander	2.36	4.5	2.14	strong	propylitic	oxidation halos	sulfides, iron oxide, calcite				
1				11.005							13	4.30	0.1	0.15	13/02/2023	10.02/2023	LISCK IDSDEL	4.5	6	1.5	strong	propylitic	oxidation halos	sulfides, iron oxide, calcite				
1					End Date	Factural	104 005	704074	2264750	075								9.9	10.7	0.8	strong	propylitic	oxidation halos	sulfides, iron oxide, calcite				
1				Ero Porti Footwal 104-55E 7/216/1 3301/36 2/3		10.7	11.5	0.8	strong	propylitic	oxidation halos	sulfides, iron oxide, calcite																
1					11.5	11.7	0.2	strong	propylitic	oxidation halos	sulfides, iron oxide, calcite	80	80	SSE	Jawal & Ez													
1				Tr 000	Start Point	Foot wall	300 NNW	721658	3361786	275	20	0.75	0.0	0.20	10/00/0000	20/02/020	Trook lander	18.25	19	0.75	strong	propylitic	oxidation halos	manganise oxides, Iron oxides, Calcite.	60	70	005	lougi 9 E-
1				11.000	End Point	Hang wall	120 SSE	721668	3361768	275	20	2.15	0.8	0.38	20/02/2023	20/02/2023	LISCK IDSDEL	19	20	1	strong	propylitic	oxidation halos	manganise oxides, Iron oxides, Calcite.	00	10	SOF	Jawal & EZ
1				Tr OCD	Start Point	Footwall	200NNW	721669	3361750	275					0/42/0000	0/45/0000	Track lander	4		7	3 strong	propylitic	oxidation halos	manganise oxides, Iron oxides, Calcite.				
				11.000	End Point	Hang wall	110 SE	721667	3361765	275	15	6	0	0.5	2/13/2023	2/13/2023	Haux loadel	12	1	5	3 strong	propylitic	oxidation halos	manganise oxides, Iron oxides, Calcite.				Ali Al Smadi

8.2.2 ICP_Result

D	From	To	Diff	Lab	Be(ppm)	Cd(ppm)	Co(ppm)	Cs(com)	Cu(ppm)	Ga(coni)	Li(pom)	Ni(ppm)	Pb(oom)	Sr(pom)	V(com)	Zn(com)	Hi(com)	Mo (pom)	Nb(ppm)	Sb(com)	Sn(ppm)	(mag) W	Zr (pom)	Celcom	Dv(com)	Gd(ppm)	Ho(ppm)	La(ppm)	Nd(ppm)	Pr(oom)	Scipponi	Smicom	Y(com)	Yb(ppm)	Rb(com)	Cr (com)		Ва
S T Tr02-01	117	1.34	017	memr	47	1	16.8	5	20.5	235	13.9	2106	24.9	2247	12.8	2057	16	5	40.2	16.2	5	89.4	513.4	188.8	151	11.4	5	87.5	85.2	261	5	12.9	791	5				
C T T-00.00	4.94	2	1.00	momr	40	4	10.0	5	45.0	20.0	0.0	70.0	10	47.0	0.0	420.0	16.4	5	40.5	0.0	5	70.0	400	100.0	10.1	0	5	70.4	70.0	04.7	5	44.4	60.0	5				
0.T.T.00.00	1.04	3	1.00	menn	4.9	-	19.4	5	10.0	20.2	0.0	19.0	20	11.2	0.0	109.9	10.4	5	40.0	0.2	5	10.0	490	109	13.7	9	5	70.1	10.0	21.7	5	11.4	09.0	5				
5.1.1102-03	3	4.22	1.22	memir	0		11.5	2	12.0	20.2	12	80.4	23.3	24.2	12.4	109.0	10.9	2	38	5	2	00.4	480.4	101.0	14.0	9.8	0	/9.0	0.00	20	5	12.0	/ 3.0	5				
S.1.1r02-04	4.22	6.36	2.14	memr	62	1	19.7	5	15	2/	9.3	1/6.2	25.2	13.2	8	114.4	15.8	5	40.3	5	5	/0.5	485.6	195.2	14.8	10.2	5	80./	82.6	25.4	5	13.2	/8.3	5				
S.I.1r02-05	6.36	8.14	1.78	memr	6.8	1	15.1	5	10.7	28	8.2	70.4	25.3	13.3	8.7	138.2	16.3	5	39.2	5	5	64.1	494.8	186.4	15.6	10.6	5	86.4	88.7	26.8	5	13.5	83.5	5				
S.T.Tr02-06	8.14	9.5	1.36	memr	6.4	1	14.7	5	11.5	28.1	10.1	72	26	22.5	10.4	144.9	15.5	5	38.4	5	5	50.4	444.1	195.7	15.4	10.5	5	89.8	91.9	27.7	5	13.6	78.9	5				
S.T.Tr02-07	9.5	10	0.5	memr	6.2	1	11.8	5	14.8	27.3	12.7	70.6	24.3	27.9	9.3	131.8	14.4	5	34.4	5	5	46.2	399.7	195.4	14.8	10.2	5	87.4	88.1	27.4	5	13.5	74.8	5				
ST.Tr01.S01	1	1.33	0.33	memr	6.7	5	17.1	6.2	6.6	28.3	11.3	35.8	18.6	16.2	5	157.5	15.6	7.2	124.3	10.9	22.9	158.6	837.7	190.2	5	19.9	5	89.6	90.9	23.6	5	18.5	73.8	8.6				
ST.Tr01.S02	3	4	1	memr	72	5	18.8	5	6	27.2	8.5	37.1	18	13.8	5	132.5	15	7	120.3	10.8	22.3	169.7	794.8	194.1	5	20.2	5	86	86.6	23.1	5	18.5	80.8	8.5				
ST.Tr01.S03	4	5	1	memr	6.6	5	19.5	5.9	8.6	27.7	10.9	35.9	18.3	18.5	5.1	158	13.5	7.2	118.6	10.7	22.4	196.7	721.6	186.9	5	19.4	5	98.6	97.5	26	5	18.9	72.9	8.1				
ST Tr01 S04	5	5.63	0.63	memr	63	5	16.9	57	82	267	12.4	491	20.7	24.3	71	151.2	13.7	77	115.0	10.5	21.8	1507	728.1	207.3	5	10.0	5	93.6	937	25.3	5	19	741	82				
ST 101 S05	5.62	61	0.00	momr	6.6	5	20.2	5.0	0.2	27.8	11.4	28.7	21.8	22.4	65	163.1	13.2	73	118.5	10.0	22.5	202.1	712.8	20110	5	20.2	5	03.1	03.5	20.0	5	21.4	77.1	8.4				
CT T-04 COC	0.00	7	0.0		0.0	г	444	5.0	0.4	07	44	54.0	40.4	40.5	5.4	449.0	40	7.4	100.7	40.0	04.7	440.0	700.4	402.4	5	40.4	r	00.0	00.0	00.4	г	20.0	74.0	0.7				
0T.T.04.007	0.1	1	0.9	menni	0.0	0	19.9	0.0	0.4	21	11	04.0	13.1	C.01	0.1	140.0	10	7.4	120.7	10.0	21.7	140.2	702.4	190.4	5	19.1	5	00.0	00.4	20.1	0	20.0	11.2	0.0				
ST.1101.SU/	8.33	8.56	0.23	memr	62	5	1/2	5	1	27.5	1/.8	50	17.5	16	5	153.3	11.1	1.4	120.7	10.9	21.9	1/0.3	589.3	201	5	18./	5	93.6	91.6	26.8	5	20.6	65.6	7.9				
ST.Tr03.S01	4	5	1	memr	5.9	5	21.7	7.3	6.7	26.7	5.2	47.9	28.9	17.5	7.1	130.3	15.9	7.5	115.5	10.6	22.1	213.7	843.2	179.6	5	18.7	5	85.3	85.7	22.7	5	18.5	77.3	8.2				
ST.Tr03.S02	5	6	1	memr	5.6	5	11.8	8.9	8.2	26.1	10.1	66.3	26.9	35.4	10.6	128.4	15.7	7.3	113.2	10.7	21.9	99.7	835.9	174.5	5	19.2	5	84.5	82.8	21.9	5	18.2	78.3	8.6				
ST.Tr03.S03	6	7	1	memr	5	5	15.7	14.7	7.5	24.5	8.7	42	22.7	39.9	11.2	121.6	12.6	7.3	99.3	10.3	20.2	153	666.8	153.6	5	15.6	5	80	71	19.9	5	14.5	66.9	7.2				
ST.S01		•		memr	5	5	32.9	36.3	29.9	13.3	215.7	73.5	55.1	142.2	191.9	1179.4	5	7.9	27.3	7.5	17.1	34.4	160.9	45.6	9.6	14.9	5	22.5	26.8	7.2	24.6	9.4	19.1	5				
ST S02				memr	5	5	29.4	34.6	26.3	26	313.8	701	44	218.3	1525	11135	5	76	24.6	75	17	321	155	39.2	10.2	14.4	5	23.3	257	63	23.4	87	17.6	5				
A03 S01	¥-0718227	V-3346805		memr	5	5	23.2	12.6	66	22.8	10.4	.81	10.4	57.4	72	10	5	74	28.0	83	20.7	104.5	20.0	15.0	12	5	5	75	6.6	21	5	12	5	5				
100.001	V-0740400	V-22/40050		mome	E	F	17.0	10	2/2	10.0	6.0	AE 4	10.1	150.7	7	20.0	5	70	16.0	7.0	10.0	162.0	65.5	175.0	0.0	64	5	26.5	27.6	7	F	2.6	5	5				
A03.002	V-0740400	1.0040000	_	Inelli	0	J	11.0	10	40.0	10.0	0.0	40.1	10.9	100.1	1	20.0	J r	7.4	10.9	1.0	10.0	100.2	0.0	1/0.0	0.2	0.4	J	0.0	21.0	0.0	0 r	3.0	5	0	-			
HU3.5U3	X: U/ 18183	T: 3346//1		memr	5	5	32.8	0.0	10.6	9.8	12	01.5	5	40.2	5	21.9	5	1.4	14.7	ŏ	10.0	263.2	33.8	1.5	5	5	5	5.4	2.5	0.8	5	0.7	5	5	1.00			
S1-1r04-S01	0	0.7	0.7	memr	6.8	5	15.5	6.3	9.9	27.5	20.5	95	15.6	21.4	13.4	174.1	21.4	5	51.4	5	11.8	/8.8	821.7	156.2	14.1	16.8	5	69.7	71.5	21.4	5	17.2	69.6	7.5	147.1	87		
ST-Tr04-S02	0.7	1.34	0.64	memr	3.4	5	35.5	14.8	14.2	19	108.1	144.6	23.3	325.1	202.1	1659	5	5.6	5.8	5	5.3	11.5	130.1	68.6	11.2	12.8	5	30.1	35.2	9.5	26.9	9.2	14.8	5	104.2	389.4		
ST-Tr04-S03	1.34	2	0.66	memr	5.7	5	19	37	16.2	27.8	113.6	772	56.3	179.4	88.8	805.4	5	6	5	5	5.5	9.4	103	65.4	8.1	12.1	5	36.1	34.2	9.2	17.8	10.1	11.6	5	184.8	102.2		
ST-Tr04-S04	2	2.84	0.84	memr	4.5	5	9	9	14.5	23.7	53.7	64.3	26.6	62.3	64.7	383.9	16	6.4	38.1	5	8.6	27.4	626.7	109.8	13.4	14.8	5	40.7	48	13.9	5	9.6	61.9	6.2	132.7	80		
ST-Tr04-S05	2.84	3.54	0.7	memr	6.6	5	22.4	33.5	36.4	27.8	129.8	98.5	58.7	168.8	96	903.5	5	5	5.2	5	5.1	9.1	108.4	67.2	8.4	12.2	5	34.9	35.9	10.2	19.6	11	13.1	5	173.6	159.3		
ST-Tr04-S06	4.3	5.94	1.64	memr	7.3	5	13.7	7.6	9.3	29.4	14.9	169.4	18.8	15.7	11.2	157	21.6	5	52.2	5	12.2	76.2	797.8	159.8	10.3	15.6	5	70.6	69.2	20.6	5	16.5	60.8	7.1	140	225.3		
ST-Tr04-S07	5.94	6.3	0.36	memr	8.7	5	19	11.3	13	38.3	107.4	81.4	33.4	48.8	45.5	684.7	16.6	5.1	39.3	5	10.2	33.1	634.3	144.1	14.3	18.4	5	69.6	71.3	20.8	7.5	17.7	59.1	6.2	176.1	20.4		
ST-Tr04-S08	6.3	8	1.7	memr	7.3	5	16.8	8	16.1	29	14.6	149.2	19.9	15.4	16.3	136.1	20.2	5	53.4	5	12.3	94.5	773.2	170.2	12.1	16.9	5	79.2	80.2	23.7	5	18.2	63.9	6.9	147.8	190		
ST-Tr04-S09	3.54	4.3	0.76	memr	9.3	5	32.6	37.3	19	21.1	183.1	132	53.3	175.8	148.5	1135	5	5.2	6.4	5	5.7	11.2	150.4	74.7	11.1	13.2	5	38.8	40.1	11.4	23.4	9.9	17	5	147.2	307.8		
ST-Tr05 S01	0	1	1	memr	5	5	94	55	9.2	24.8	127	52	25.4	20.3	26.9	105.4	19.7	92	417	5	11.4	491	733.9	148.5	5	19.2	5	93.2	81.8	25.2	5	18.3	78.7	7	1717	51.2		
ST-Tr05 S02	1	15	05	memr	70	5	16.2	20.8	13.6	26.8	127.0	76.2	45.6	103.8	71.5	641.9	11.7	5	25.6	5	8.4	10.5	422	108.8	86	14.7	5	52.7	54.3	15.2	10.0	12.4	413	5	154.6	72.2		
ST-Tr05 S03	15	1.8	0.0	memr	52	5	77	6.0	207.6	21.8	20.0	54.6	24	114.1	33.5	252.1	14.6	5	22.0	5	0.1	23.1	555.2	111.0	11.0	14	5	51.4	53	15.2	5	36	54.7	54	144.2	40.1		
OT THE COM	1.0	2.24	0.00	momr	5.0	5	11.6	20.5	1507	21.0	72.0	76.0	027	114.1	/1.2	726.0	12.0	56	225	5	24.2	20.1	500.2	100.6	10.1	14.2	5	J1.4 //7	47.6	12.2	57	10.0	52.5	5.4	202.0	26.2		
OT THE COL	0.74	2.01	0.40	momr	0.5	5	10	20.J	1007	20.4	10.0	10.0	30.1	00.0	41.2	100.9	22.4	5.0	52.0	J E	JH.Z	£1.1 £4.2	021.4	105.0	IU.I	14.2	5	4/	47.0	13.2	J.I E	12.1	77.0	0.4	100.0	00.2		
01-1100.000	3./1	4.04	0.00	menni	0.0	5	10	0	10.0	20.3	0.01	102.0	21.2	09.2	0	101	22.1	5.2	00.0	5	12.2	01.0	001.0	101.2	5	10.2	5	01.1	00.1	24	5	10.9	70.4	0	109.5	90.Z		
0T.04	4.04	0.4	0.00	memir	0./	2	12.2	2	10.8	21.0	19	49.2	28.9	99.0	1.4	140.3	21.0	0	01.0	0	11.0	03	010.1	C./01	5	19.0	0	00./	0.00	20.1	0	20	19.4	ð.1	101	30.0	40004	
51-3A				JAEC	5	5	31		12	54	203	48	60	60	1/1	1003	4	5	24	5	5		160	53	4	5	5	20	30	1	18	b	19			83 00	12004	
OT 44				1450		-	00		0.0	00	005		04	50	407	4040		-	40							b					45		47			83	11/30	
ST-4A				JAEC	4	5	38		80	30	225	44	64	52	167	1318	3	5	16	5	5		141	40	0	0	5	22	20	6	15	5	17			05	10010	
ST-4A ST-5				JAEC JAEC	4	5	38 37		80 49	30 30	225 99	44	64 78	52 140	167 162	1318 1030	3	5	16 15	5	5		141	40	3	4	5	22	20	6	15 15	5 6	17 15			95	10616	
ST-4A ST-5 ST-6				JAEC JAEC JAEC	4 3 3	5 5 5	38 37 33		80 49 64	30 30 49	225 99 95	44 72 45	64 78 52	52 140 69	167 162 182	1318 1030 1039	3 4 4	5 5 5	16 15 14	5 5 5	5 5 5		141 139 137	46 45 42	3 4	4	5 5 5	22 21 20	20 24 24	6 6 6	15 15 17	5 6 5	17 15 18			95 77	10616 11918	
ST-4A ST-5 ST-6 ST-7				JAEC JAEC JAEC JAEC	4 3 3 3	5 5 5 5	38 37 33 38		80 49 64 13	30 30 49 53	225 99 95 141	44 72 45 44	64 78 52 49	52 140 69 80	167 162 182 190	1318 1030 1039 1057	3 4 4 4	5 5 5 5	16 15 14 15	5 5 5 5	5 5 5 5		141 139 137 145	40 45 42 44	3 4 4	4 5 5	5 5 5 5	22 21 20 21	20 24 24 25	6 6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 71	10616 11918 11708	
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1	4.1	4.85	0.75	JAEC JAEC JAEC JAEC MEMR	4 3 3 3	5 5 5 5	38 37 33 38		80 49 64 13 32.9	30 30 49 53	225 99 95 141 165.5	44 72 45 44 78.4	64 78 52 49 60.2	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199	3 4 4 4	5 5 5 5	16 15 14 15	5 5 5 5	5 5 5 5		141 139 137 145 349.8	40 45 42 44	3 4 4	4 5 5	5 5 5 5	21 20 21	20 24 24 25	6 6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 71 155.9	10616 11918 11708	695.5
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1 S.T.Tr 06A-2	4.1	4.85	0.75	JAEC JAEC JAEC JAEC MEMR MEMR	4 3 3 3	5 5 5 5	38 37 33 38		80 49 64 13 32.9 75.6	30 30 49 53	225 99 95 141 165.5 234.9	44 72 45 44 78.4 99.1	64 78 52 49 60.2 86.6	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199 1227	3 4 4 4	5 5 5 5	16 15 14 15	5 5 5 5	5 5 5		141 139 137 145 349.8 168	40 45 42 44	3 4 4	4 5 5	5 5 5 5	22 21 20 21	20 24 24 25	6 6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 71 155.9 286	10616 11918 11708	695.5 1251
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3	4.1 6 9	4.85 7 10	0.75	JAEC JAEC JAEC JAEC MEMR MEMR MEMR	4 3 3 3	5 5 5 5	38 37 33 38		80 49 64 13 32.9 75.6 27	30 30 49 53	225 99 95 141 165.5 234.9 258.5	44 72 45 44 78.4 99.1 107	64 78 52 49 60.2 86.6 78.4	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218	3 4 4 4	5 5 5	16 15 14 15	5 5 5	5 5 5 5		141 139 137 145 349.8 168 185.3	40 45 42 44	3 4 4	4 5 5	5 5 5	22 21 20 21	20 24 24 25	6 6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 71 155.9 286 308.6	10616 11918 11708	695.5 1251 1434
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-4	4.1 6 9 11.5	4.85 7 10 12.5	0.75 1 1 1	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR	4 3 3 3	5 5 5 5	38 37 33 38		80 49 64 13 32.9 75.6 27 27.6	30 30 49 53	225 99 95 141 165.5 234.9 258.5 235.6	44 72 45 44 78.4 99.1 107 62.4	64 78 52 49 60.2 86.6 78.4 62	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6	3 4 4 4	5 5 5	16 15 14 15	555	5 5 5		141 139 137 145 349.8 168 185.3 145.8	40 45 42 44	3 4 4	4 5 5	5 5 5	22 21 20 21	20 24 24 25	6 6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 71 155.9 286 308.6 69.2	10616 11918 11708	695.5 1251 1434 494.2
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-5	4.1 6 9 11.5 13	4.85 7 10 12.5 13.35	0.75 1 1 1 0.35	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR	4 3 3 3	555	38 37 33 38		80 49 64 13 32.9 75.6 27 27.6 42.4	30 30 49 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4	44 72 45 44 78.4 99.1 107 62.4 31.1	64 78 52 49 60.2 86.6 78.4 62 53.9	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6 830.8	3 4 4 4	555	16 15 14 15	555	5 5 5		141 139 137 145 349.8 168 185.3 145.8 398.7	40 45 42 44	3 4 4	4 5 5	555	22 21 20 21	20 24 24 25	6 6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 71 155.9 286 308.6 69.2 51.7	10616 11918 11708	695.5 1251 1434 494.2 342.4
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-6	4.1 6 9 11.5 13 13.35	4.85 7 10 12.5 13.35 15	0.75 1 1 1 0.35 1.65	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR	4 3 3 3	5 5 5	38 37 33 38		80 49 64 13 32.9 75.6 27 27.6 42.4 2.7	30 30 49 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6	64 78 52 49 60.2 86.6 78.4 62 53.9 20.5	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6 830.8 752	3 4 4 4	555	16 15 14 15	555	555		141 139 137 145 349.8 168 185.3 145.8 398.7 612	40 45 42 44	3 4 4	555	5 5 5	22 21 20 21	20 24 24 25	6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 71 155.9 286 308.6 69.2 51.7 45.7	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-6 S.T.Tr 06A-6	4.1 6 9 11.5 13 13.35 15.95	4.85 7 10 12.5 13.35 15 16.75	0.75 1 1 1 0.35 1.65 0.8	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR	4 3 3 3	5 5 5	38 37 33 38		80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8	30 30 49 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52	64 78 52 49 60.2 86.6 78.4 62 53.9 20.5 88.6	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6 830.8 75.2 1455	3 4 4 4	555	16 15 14 15	555	5 5 5		141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4	40 45 42 44	3 4 4	555	5 5 5	22 21 20 21	20 24 24 25	6 6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 71 155.9 286 308.6 69.2 51.7 45.7 65	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8 380.7
ST-4A ST-5 ST-6 ST-7 S.T.Fr 06A-1 S.T.Fr 06A-3 S.T.Fr 06A-4 S.T.Fr 06A-6 S.T.Fr 06A-7 S.T.Fr 06A-8 S.T.Fr 06A-7 S.T.Fr 06A-8	4.1 6 9 11.5 13 13.35 15.95 17	4.85 7 10 12.5 13.35 15 16.75 17.15	0.75 1 1 0.35 1.65 0.8 0.15	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR	4 3 3 3	5 5 5	38 37 33 38		80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6	30 30 49 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8	44 72 45 78.4 99.1 107 62.4 31.1 15.6 52 46.8	64 78 52 49 60.2 86.6 78.4 62 53.9 20.5 88.6 78.2	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6 830.8 75.2 1455 1354	3 4 4 4	555	16 15 14 15	555	5 5 5		141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 231.3	40 45 42 44	3 4 4	<u>4</u> 5 5	555	22 21 20 21	20 24 24 25	6 6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 71 155.9 286 308.6 69.2 51.7 45.7 65 77.4	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8 380.7 462
ST-4A ST-5 ST-6 ST-7 S.T.Ir 06A-1 S.T.Ir 06A-3 S.T.Ir 06A-4 S.T.Ir 06A-4 S.T.Ir 06A-5 S.T.Ir 06A-6 S.T.Ir 06A-7 S.T.Ir 06A-8 S.T.Ir 06A-6 S.T.Ir 06A-7 S.T.Ir 06A-8	4.1 6 9 11.5 13 13.35 15.95 17 0	4.85 7 10 12.5 13.35 15 16.75 17.15 1	0.75 1 1 0.35 1.65 0.8 0.15 1	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME	4 3 3 3	5 5 5	38 37 33 38		80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2	30 30 49 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6	64 78 52 49 60.2 86.6 78.4 62 53.9 20.5 88.6 78.2 26.5	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6 830.8 75.2 1455 1354 114.9	3 4 4 4	5 5 5	16 15 14 15	555	5 5 5		141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 231.3 659.1	40 45 42 44	3 4 4	5 5 5	555	22 21 20 21	20 24 24 25	6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 71 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4
ST-4A ST-5 ST-6 ST-7 S.T.I7 06A-1 S.T.I7 06A-2 S.T.I7 06A-3 S.T.I7 06A-4 S.T.I7 06A-6 S.T.I7 06A-6 S.T.I7 06A-6 S.T.I7 06A-8 S.T.I7 06A-8 S.T.I7 06A-9 S.T.I7 06A-9 S.T.I7 06A-9	4.1 6 9 11.5 13 13.35 15.95 17 0	4.85 7 10 12.5 13.35 15 16.75 17.15 1 1.4	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME	4 3 3 3	5 5 5	38 37 33 38		80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3	30 30 49 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3	64 78 52 49 60.2 86.6 78.4 62 53.9 20.5 88.6 78.2 26.5 26.4	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6 830.8 75.2 1455 1354 114.9 738.6	3 4 4 4	5 5 5	16 15 14 15	555	5 5 5		141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 231.3 659.1 111	40 45 42 44	3 3 4 4		5555	22 21 20 21	20 24 24 25	6 6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1 68.4	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1199
ST-4A ST-5 ST-6 ST-7 S.T.17 06A-1 S.T.17 06A-2 S.T.17 06A-3 S.T.17 06A-4 S.T.17 06A-4 S.T.17 06A-6 S.T.17 06A-8 S.T.17 06A-8 S.T.17 06B-2 S.T.17 06B-2 S.T.17 06B-2	4.1 6 9 11.5 13 13.35 15.95 17 0 1	4.85 7 10 12.5 13.35 15 16.75 17.15 1 1.4 2.36	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46	JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME	4 3 3 3	5 5 5	38 37 33 38		80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9	30 30 49 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5	64 78 52 49 60.2 86.6 78.4 62 53.9 20.5 88.6 78.2 26.5 26.4	52 140 69 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6 830.8 75.2 1455 1354 114.9 738.6 701.3	3 4 4 4	5 5 5	16 15 14 15	5 5 5	5 5 5		141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8	40 45 42 44	3 3 4 4		555	22 21 20 21	20 24 24 25	6 6 6	15 15 17 18	5 6 5 6	17 15 18 17			95 77 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1 68.4 88.1	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1199 1080
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06A-8 S.T.Tr 06A-8 S.T.Tr 06A-8 S.T.Tr 06A-8 S.T.Tr 06A-8 S.T.Tr 06B-1 S.T.Tr 06B-2 S.T.Tr 06B-2 S.T.Tr 06B-2	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36	4.85 7 10 12.5 13.35 15 16.75 17.15 1 1.4 2.36 4.5	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14	JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME	4 3 3 3	5 5 5	38 37 33 38		80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9 13.8	30 30 49 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9 38	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.2	64 78 52 49 60.2 86.6 78.4 62 53.9 20.5 88.6 78.2 26.5 26.4 23.3 17.7	52 140 69 80 80	167 162 182 190	1318 1030 1057 1199 1227 1218 872.6 830.8 752 1455 1354 1455 752 1354 149 738.6 701.3 97.7		5 5 5	16 15 14 15 15	5 5 5 5	5 5 5 5		141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4	40 45 42 44			5 5 5	22 21 20 21	20 24 24 25	6 6 6		5 6 5 6				95 77 71 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1 68.4 88.1 23.8	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1199 1080 787.5
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06A-8 S.T.Tr 06B-1 S.T.Tr 06B-2 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 45	4.85 7 10 12.5 13.35 15 16.75 17.15 1 1.4 2.36 4.5 6	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 45	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME	4 3 3 3	5 5 5	38 37 33 38 38		80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9 13.8 24	30 30 49 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9 38 23.2	44 72 45 44 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9	64 78 52 49 60.2 86.6 78.4 62 53.9 20.5 88.6 78.2 26.5 26.4 23.3 17.7	52 140 69 80 80	167 162 182 190	1318 1030 1057 1199 1227 1218 872.6 830.8 752 1455 1354 1455 738.6 701.3 97.7		5 5 5	16 15 14 15 15	5 5 5 5	5 5 5 5		141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 770.9	40 45 42 44			5 5 5		20 24 24 25	6 6 6						95 77 71 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1 68.4 88.1 23.8 23.4	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1199 1080 767.5 1172
ST-4A ST-5 ST-6 ST-7 S.T.Tr-06A-1 S.T.Tr-06A-2 S.T.Tr-06A-2 S.T.Tr-06A-4 S.T.Tr-06A-4 S.T.Tr-06A-6 S.T.Tr-06A-7 S.T.Tr-06A-6 S.T.Tr-06A-7 S.T.Tr-06A-8 S.T.Tr-06B-4	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5	4.85 7 10 12.5 13.35 15 16.75 17.15 1 1.4 2.36 4.5 6	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 1.5 0.2	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME		5 5 5 5	38 37 33 38 		80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 32 14.3 48.9 13.8 24 24	30 30 49 53 	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9 38 23.2	44 72 45 44 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9	64 78 52 49 602 866 78.4 62 53.9 20.5 88.6 78.2 26.5 26.4 23.3 17.7 21.5 78.2	52 140 69 80 80	167 162 182 190	1318 1030 1057 1057 1199 1227 1218 872.6 830.8 752 1455 1354 1455 738.6 701.3 97.7 64		5 5 5	16 15 14 15 	5 5 5			141 139 137 145 349.8 168 185.3 145.8 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 493.4 370.8 370.8	40 45 42 44			5 5 5		20 24 24 25	6 6 6						96 77 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1 68.4 88.1 23.8 22.4	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1199 1080 767.5 1173
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-7 S.T.Tr 06A-8 S.T.Tr 06A-8 S.T.Tr 06A-8 S.T.Tr 06B-8 S.T.Tr 06B-8 S.T.Tr 06B-8 S.T.Tr 06B-8 S.T.Tr 06B-8 S.T.Tr 06B-7	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9	4.85 7 10 12.5 13.35 15 16.75 17.15 1 1.4 2.36 4.5 6 10.7 11	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 0.46 2.14 1.5 0.8 0.2 0.4 0.46 0.5 0.88 0.46 0.46 0.46 0.55 0.88 0.46 0.46 0.55 0.88 0.46 0.46 0.55 0.88 0.46 0.46 0.55 0.56 0	JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME		5 5 5	38 37 33 38 38		80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9 13.8 24 24	30 30 49 53 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9 38 23.2 146.4	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9 33.4	64 78 52 49 602 866 784 62 539 205 886 782 265 264 233 77.7 21.5 782	52 140 69 80 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6 830.8 75.2 1354 1455 1364 114.9 738.6 701.3 97.7 64 748.6		5 5 5		5 5 5			141 139 137 145 349.8 168 185.3 145.8 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 370.8 275.3	40 45 42 44					20 24 24 25	6 6 6						96 77 155.9 286 308.6 69.2 51.7 45.7 45.7 45.7 77.4 39.1 68.4 88.1 23.8 22.4 64.5	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1199 1080 767.5 11173
ST-4A ST-5 ST-6 ST-7 S.T.Ir 06A-1 S.T.Ir 06A-2 S.T.Ir 06A-3 S.T.Ir 06A-4 S.T.Ir 06A-4 S.T.Ir 06A-7 S.T.Ir 06A-7 S.T.Ir 06A-8 S.T.Ir 06B-2 S.T.Ir 06B-2 S.T.Ir 06B-4 S.T.Ir 06B-4 S.T.Ir 06B-4 S.T.Ir 06B-6 S.T.Ir 06B-7 S.T.Ir 06B-6 S.T.Ir 06B-7 S.T.Ir 06B	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 9.9 10.7	4.85 7 10 12.5 13.35 15 16.75 17.15 1 1.4 2.36 4.5 6 10.7 11.5	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.4 0.4 0.4 0.4 0.5 0.8 0.4 0.4 0.5 0.8 0.4 0.4 0.5 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME		5 5 5			80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9 13.8 24 24 25 27	30 30 49 53 53	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9 38 23.2 146.4 200.9	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9 33.4 42.1	64 78 52 49 602 866 784 62 539 205 886 782 265 264 233 77.7 21.5 782 63.1	52 140 69 80 80	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6 830.8 75.2 1455 1354 14.9 738.6 701.3 97.7 64 744.7		5 5 5		5 5 5			141 139 137 145 349.8 168 185.3 145.8 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 370.8 275.3 151.2	40 45 42 44			5 5 5		20 24 24 25	6 6 6						95 77 71 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1 68.4 88.1 23.8 22.4 64.5 81.1	10616 11918 11708	695.5 1251 1434 4942 332.4 123.8 380.7 462 253.4 1123 1080 767.5 11173 828.3 1686
ST-4A ST-5 ST-6 ST-7 S.T.1r 06A-1 S.T.1r 06A-2 S.T.1r 06A-3 S.T.1r 06A-4 S.T.1r 06A-5 S.T.1r 06A-6 S.T.1r 06B-1 S.T.1r 06B-1 S.T.1r 06B-1 S.T.1r 06B-3 S.T.1r 06B-5 S.T.1r 06B-5 S.T.1r 06B-7 S.T.1r 06B	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5	4.85 7 10 12.5 13.35 15 16.75 17.15 1 1.4 2.36 4.5 6 10.7 11.5 11.7	0.75 1 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 1.5 0.8 0.8 0.8 0.2 1.5 0.8 0.46 0.88 0.46 0.46 0.46 0.46 0.88 0.46 0.46 0.88 0.46 0.46 0.88 0.46 0.88 0.46 0.88 0.46 0.88 0.46 0.88 0.46 0.88 0.46 0.88 0.88 0.46 0.88 0.46 0.88 0.88 0.88 0.46 0.88	JAEC JAEC JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME					80 9 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9 13.8 24 281.6 33.9 552.2 14.2		225 99 95 141 1655 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9 38 23.2 146.4 200.9 240.5	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9 33.4 42.1 52.7	64 78 52 49 602 866 784 62 539 205 886 782 265 264 233 17.7 215 782 63.1 526 531 526 532 548 539 548 558 558 558 558 558 558 558	52 140 69 80 	167 162 182 190	1318 1030 1039 1057 1199 1227 1218 872.6 830.8 752 1354 114.9 738.6 701.3 97.7 64 748.6 744.7 1245		5 5 5		5 5 5			141 139 137 145 349.8 168 185.3 145.8 185.3 145.8 185.3 145.8 185.3 145.8 145.	40 45 42 44												95 77 71 155.9 286 69.2 51.7 45.7 65 77.4 39.1 68.4 88.1 23.8 22.4 64.5 81.1 104.8	10616 11918 11708	695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1199 1080 767.5 1173 828.3 1686 1003
ST-4A ST-5 ST-6 ST-7 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-3 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-5 S.T.Tr 06B-5 S.T.Tr 06B-5 S.T.Tr 06B-5 S.T.Tr 06B-5 S.T.Tr 06B-5 S.T.Tr 06B-5 S.T.Tr 06B-7 S.T.Tr 06B-5 S.T.Tr 06B-7 S.T.Tr 06B	41 6 9 11.5 13.3 15.95 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25	4.85 7 10 12.5 13.35 15 16.75 17.15 1 1.4 2.36 4.5 6 10.7 11.5 11.7 19 9 2	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 1.5 0.8 0.8 0.46 0.46 0.214 1.5 0.8 0.8 0.2 0.75 1.5 0.8 0.15 1.5 0.8 0.15 1.5 0.8 0.15 1.5 0.8 0.15 1.5 0.8 0.15 0	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 84.6 3.2 15.6 5.2 14.3 33.9 55.2 16.4 5.2 5.2		225 99 95 141 1655 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9 38 23.2 146.4 200.9 240.5 18.5	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9 33.4 42.1 52.7 24.8	64 78 52 49 602 866 784 62 539 205 886 782 265 264 233 17.7 215 782 63.1 526 345 545 545 556 552 557 552 552 552 552 552 552	52 140 69 80 		1318 1030 1039 1057 1199 1227 1218 872.6 830.8 752 1354 114.9 738.6 701.3 97.7 64 748.6 744.7 1245 95.7		5 5 5		5 5 5			141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 370.8 275.3 151.2 178.8 657.6	40 45 42 44 						6 6 6						95 77 71 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1 68.4 88.1 23.8 22.4 64.5 81.1 104.8 44.3 5		695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1193 1080 767.5 1173 828.3 1686 1003 561.8
ST-4A ST-5 ST-6 ST-7 ST-7 S.T.Tr-06A-1 S.T.Tr-06A-2 S.T.Tr-06A-3 S.T.Tr-06A-4 S.T.Tr-06A-4 S.T.Tr-06A-6 S.T.Tr-06A-7 S.T.Tr-06A-8 S.T.Tr-06B-8 S.T.Tr-06B-7 S.T.Tr-06B-8 S.T.Tr-06B-8 S.T.Tr-06B-8 S.T.Tr-06B-8 S.T.	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19	485 7 10 125 1335 15 1675 1715 1 14 236 45 6 0 107 115 117 119 20	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 1.5 0.8 0.46 0.2 0.75 1 1.5 0.8 0.15 1.1 0.46 0.46 0.2 0.75 1.1 0.46 0.47 0.46 0.46 0.46 0.47 0.46 0.46 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.46 0.47 0.47 0.46 0.47 0.47 0.46 0.47 0.47 0.47 0.47 0.47 0.46 0.47 0	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9 13.8 24 281.6 33.9 55.2 16.4 9.8 24	30 30 49 53 	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9 38 232. 146.4 200.9 240.5 18.5 18.5	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9 33.4 42.1 52.7 24.8 24.9	64 78 52 49 60.2 866 78.4 62 53.9 20.5 265 264 233 17.7 21.5 78.2 63.1 52.6 34.5 34.7	52 140 69 80 80 80 80 80 80 80 80 80 80 80 80 80		1318 1030 1039 1057 1199 1227 1218 872.6 830.8 752 1354 1455 1354 114.9 738.6 701.3 97.7 64 748.6 744.7 1225 95.7 120.7				5 5 5			141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 493.4 370.8 275.3 1512 178.8 657.6 735.8	40 45 42 44												95 77 71 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1 68.4 88.1 23.8 22.4 64.5 81.1 104.8 44.3 60		695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1199 1080 767.5 1173 828.3 1686 1003 561.8 393.5
ST-4A ST-5 ST-6 ST-7 S.T.17 06A-1 S.T.17 06A-2 S.T.17 06A-3 S.T.17 06A-4 S.T.17 06A-4 S.T.17 06A-4 S.T.17 06A-6 S.T.17 06A-6 S.T.17 06B-2 S.T.17 06B-2 S.T.17 06B-2 S.T.17 06B-2 S.T.17 06B-2 S.T.17 06B-2 S.T.17 06B-1 S.T.17 06B-2 S.T.17 06B-1	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1 .9 9 2.36 4.5 9.9 10.7 11.5 18.25 19 0	485 7 10 125 15 1675 1675 1775 1 1 4 226 6 107 115 117 115 117 19 20 3	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 1.5 0.8 0.8 0.46 2.14 1.5 0.8 0.8 0.15 1 3 0.5 1 3 0.5 1 3 0.5 1 0.5 1 0.5 1 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	JAEC JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME					80 80 49 64 13 32.9 75.6 7 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9 13.8 24 281.6 33.9 55.2 16.4 9.8 26.9	30 30 49 53 	225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9 38 232.1 146.4 200.9 240.5 18.5 18.3 23.0.1	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9 33.4 42.1 52.7 24.8 24.9 95.6	64 78 52 49 60.2 866 78.4 62 53.9 20.5 26.4 23.3 17.7 21.5 78.2 63.1 52.6 34.5 34.7 54.	52 140 69 80 80 80 80 80 80 80 80 80 80 80 80 80		1318 1030 1009 1057 1199 1227 1218 872.6 830.8 752 1354 1455 1354 1455 738.6 701.3 97.7 64 748.6 744.7 1245 95.7 120.7 1000				5 5 5			141 139 137 145 349.8 185.3 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 275.3 151.2 178.8 657.6 735.8 168.4	40 45 42 44												96 77 71 155.9 286 308.6 69.2 51.7 45.7 66 77.4 39.1 68.4 88.1 23.8 22.4 64.5 81.1 104.8 44.3 60 2255.8		695.5 1251 1434 4942 342.4 123.8 380.7 462 253.4 1199 1080 767.5 1173 828.3 1686 1003 561.8 393.5 616.2
ST-4A ST-5 ST-5 ST-7 S.T.1706A-1 S.T.1706A-3 S.T.1706A-3 S.T.1706A-4 S.T.1706A-4 S.T.1706A-5 S.T.1706B-2 S.T.1706B-3 S.T.1705B-3 S.T.1705B	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1 9.9 9.9 10.7 11.5 18.25 19 0 3	485 7 10 125 1335 15 1675 1 7715 1 1.4 238 4.5 6 107 115 11.7 115 11.7 19 20 20 3 5	0.75 1 1 1 0.35 0.8 0.15 1 0.4 0.46 0.214 1.5 0.8 0.8 0.2 0.75 1 3 2 2	JAEC JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME					80 80 49 64 13 32.9 75.6 7 27.6 42.4 12.7 12.48 84.6 3.2 14.3 48.9 13.8 24 281.6 33.9 55.2 16.4 9.8 26.9 48.9 48.9		225 99 95 141 1655 234.9 258.5 235.6 162.4 20.1 310.7 332.8 170.5 150.9 38 23.2 146.4 200.9 240.5 18.5 18.3 230.1 82.9	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9 33.4 42.1 52.7 24.8 24.9 95.6 93.6	64 78 52 49 602 866 784 62 539 205 886 782 265 264 233 17.7 21.5 63.1 52.6 34.5 34.7 54 42.5	52 140 69 80 80 80 80 80 80 80 80 80 80 80 80 80		1318 1030 1009 1057 1199 1227 1218 872.6 830.8 752 1455 1354 1445 738.6 701.3 97.7 64 744.6 744.7 1245 95.7 120.7 1000 859.1							141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 370.8 275.3 151.2 178.8 657.6 735.8 168.4 401.4													96 77 71 155.9 286 308.6 69.2 51.7 65 77.4 57.7 65 77.4 9.1 68.4 88.1 23.8 22.4 64.5 81.1 104.8 44.3 60 255.8 267.6		695.5 1251 1434 4942 342.4 123.8 380.7 462 253.4 1199 1080 767.5 1173 828.3 1686 1003 561.8 393.5 616.2 514.9
ST-4A ST-5 ST-7 S.T.17 (06A-1) S.T.17 (06A-2) S.T.17 (06A-2) S.T.17 (06A-3) S.T.17 (06A-4) S.T.17 (06A-4) S.T.17 (06A-4) S.T.17 (06A-4) S.T.17 (06A-6) S.T.17 (06A-6) S.T.17 (06B-4) S.T.17 (06B-5) S.T.17 (06B-4) S.T.17 (06B-1) S.T.17 (06D-2) S.T.17 (06D-	4.1 6 9 11.5 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 9 0 0 3 5	485 7 10 125 1335 15 1675 1 77.15 1 1.4 2.36 6 10.7 11.5 11.7 11.9 20 20 3 5 6 6	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 0.2 1.5 0.8 0.8 0.2 0.75 1 3 2 1 1 3 2 1	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 84.6 3.2 14.3 55.2 16.4 9.8 26.9 48.9 121.8		225 99 95 141 1655 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 19.8 170.5 150.9 38 23.2 146.4 200.9 240.5 18.5 18.5 18.3 230.1 82.9 18.1	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9 33.4 42.1 52.7 24.8 24.9 95.6 93.6 133.1	64 78 52 49 602 866 78.4 62 53.9 205 88.6 78.2 26.5 26.4 23.3 17.7 21.5 52.6 34.5 34.7 54 42.5 38.8	52 140 69 80 80 80 80 80 80 80 80 80 80 80 80 80		1318 1030 1039 1057 1199 1227 1218 872.6 830.8 752 1354 114.9 738.6 701.3 97.7 64 748.6 95.7 1245 95.7 120.7 1000 859.1 153.1							141 139 137 145 349.8 168 185.3 145.8 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 370.8 275.3 151.2 178.8 657.6 735.8 168.4 401.4 776.5													96 77 11 155.9 286 308.6 69.2 51.7 45.7 65 77.4 88.1 23.8 22.4 64.5 64.1 104.8 44.3 60 255.8 267.6 657.9		695.5 1251 1434 4942 3424 1238 380.7 462 253.4 1199 1080 767.5 1173 828.3 1686 1003 561.8 393.5 6162 514.9 175.2
ST-4A ST-5 ST-6 ST-7 S.T.17 (06A-1 S.T.17 (06A-2 S.T.17 (06A-3 S.T.17 (06A-3 S.T.17 (06A-3 S.T.17 (06A-4 S.T.17 (06A-3 S.T.17 (06B-3 S.T.17 (06B-3 S.T.17 (06B-3 S.T.17 (06B-3 S.T.17 (06B-3 S.T.17 (06B-3 S.T.17 (06D-4) S.T.17 (06D-4)	4.1 6 9 11.5 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 9.9 10.7 11.5 18.25 19 0 3 3 5 6	485 7 10 125 1335 15 1675 1 1335 1675 1 1335 1675 1 14 236 45 6 107 115 117 19 20 3 5 5 6 7	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 0.2 1.4 0.8 0.8 0.2 0.75 1 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 80 49 49 64 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 84.6 3.2 14.3 55.2 16.4 9.8 25.2 16.4 9.8 26.9 48.9 121.8 19.6		225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 150.9 38 23.2 146.4 200.9 240.5 18.5 18.3 230.1 82.9 18.1 18.6	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 55 33.4 46.8 55.3 65.5 14.3 33.4 42.1 52.7 24.8 24.9 95.6 93.6 133.1 81	64 78 52 49 602 886 78.4 62 53.9 20.5 88.6 78.2 26.5 26.4 23.3 17.7 21.5 63.1 52.6 34.5 34.5 34.5 34.7 42.5 38.8 28.7	52 140 69 80 80		1318 1030 1039 1057 1199 1227 830.8 752 1455 1354 14.9 738.6 701.3 97.7 64 748.6 95.7 120.7 1000 859.1 153.1 1162							141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 370.8 575.3 151.2 178.8 657.6 168.4 401.4 776.5 727	40 45 42 44												96 77 11 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1 68.4 23.8 82.1 104.8 44.3 60 255.8 267.6 657.9 319.2		695.5 1251 1434 4942 3424 1238 380.7 462 253.4 1199 1080 767.5 1173 828.3 1686 1003 561.8 393.5 6162 514.9 1752 366.5
ST-4A ST-5 ST-5 ST-7 S.T.17 (06A-1 S.T.17 (06A-2) S.T.17 (06A-3) S.T.17 (06A-4) S.T.17 (06A-4) S.T.17 (06A-4) S.T.17 (06A-4) S.T.17 (06A-4) S.T.17 (06B-4) S.T.17 (06B-4) S.T.17 (06B-4) S.T.17 (06B-4) S.T.17 (06B-4) S.T.17 (06B-4) S.T.17 (06B-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-5)	4.1 6 9 11.5 13 13.55 15.55 17 0 1 1 9.9 9.9 9.9 9.9 9.9 10.7 11.5 18.25 19 0 3 3 5 6 6 7	485 7 10 125 1335 15 1625 1725 1335 15 1625 1725 1335 15 1625 1725 1335 16 107 115 117 115 117 19 9 20 3 3 5 6 6 7 7 8	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 1.5 0.8 0.2 0.275 1 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1	JAEC JAEC JAEC JAEC MEMR MEMR MEMR MEMR MEMR MEMR MEMR ME					80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9 13.8 24 281.6 33.9 55.2 16.4 9.8 26.9 9.8 26.9 9.8 26.9 121.8 19.6 22.4		225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 162.4 20.1 310.7 332.8 162.4 20.1 332.8 163.9 163.9 240.5 18.5 18.3 230.1 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 55 46.8 13.6 55.3 65.5 14.3 33.4 42.1 52.7 22.8 24.9 95.6 93.6 133.1 81 82	64 78 52 49 602 866 78.4 62 53.9 20.5 88.6 78.2 26.5 26.4 23.3 17.7 21.5 63.1 52.6 34.5 34.7 54 42.5 38.8 28.7	52 140 69 80 		1318 1030 1039 1057 1199 1227 1218 872.6 830.8 752 1455 1354 1455 738.6 701.3 97.7 64 748.5 744.7 1245 95.7 120.7 1000 859.1 153.1 116.2 297.2							141 139 137 145 349,8 168 185,3 145,8 398,7 612 244,4 231,3 659,1 111 131,8 493,4 493,4 493,4 493,4 493,4 151,2 178,8 657,6 735,8 168,4 401,4 401,4 776,5 727 469,4													95 77 1155.9 286 308.6 69.2 51.7 45.7 65 77.4 33.1 68.4 88.1 23.8 22.4 64.5 81.1 104.8 44.3 60 255.8 267.6 657.9 319.2 329		695.5 1251 1434 4942 342.4 123.8 380.7 462 253.4 1199 1080 767.5 1173 828.3 1686 1003 561.8 393.5 514.9 175.2 3665.5 478
ST-4A ST-5 ST-5 ST-7 S.T.IF (06A-1) S.T.IF (06A-2) S.T.IF (06A-3) S.T.IF (06A-3) S.T.IF (06A-4) S.T.IF (06A-4) S.T.IF (06A-4) S.T.IF (06A-4) S.T.IF (06B-4) S.T.IF (06B-4) S.T.IF (06B-4) S.T.IF (06B-4) S.T.IF (06B-4) S.T.IF (06B-4) S.T.IF (06B-4) S.T.IF (06D-4) S.T.IF (06D-4) S.T.FF (06D-4) S.T.F	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 9.9 10.7 11.5 18.25 6 7 8 7 8 7 8 7 8 7 8 7 7 8 7 8 7 7 8 7 7 8 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	485 7 10 125 1335 15 1675 177.15 1 1.4 2.36 4.5 6 10.7 11.5 11.7 11.9 19 20 20 3 5 5 6 7 7 8 8	0.75 1 1 1 1 1 0.35 0.8 0.15 1 0.4 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.47 1 1 1 1 0.35 1 1 1 1 1 1 1 1 1 1 1 1 1	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9 14.3 24 281.6 33.9 552 16.4 9.8 26.9 121.8 26.9 121.8 26.9 121.8 26.9		225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 162.4 10.5 150.9 38 23.2 146.4 200.9 240.5 18.5 18.3 230.1 82.9 18.1 18.6 43.9 18.2	44 72 45 44 99.1 107 62.4 31.1 15.6 52 46.8 13.6 55.3 65.5 14.3 18.9 33.4 42.1 52.7 24.8 33.4 42.1 52.7 24.9 95.6 93.6 133.1 81 82 812	64 78 52 49 602 866 78.4 62 539 20.5 88.6 78.2 26.5 26.4 23.3 11.7 21.5 63.1 52.6 34.5 34.7 54 42.5 38.8 28.7 28. 28.9	52 140 69 80 80 80 80 80 80 80 80 80 80 80 80 80		1318 1030 1039 1057 1199 1227 1218 872.6 830.8 752.2 1455 1354 1455 738.6 701.3 97.7 64 748.6 744.7 1245 95.7 120.7 1000 859.1 1162 297.2 107				5 5 5			141 139 137 145 349.8 168 185.3 145.8 398.7 612 231.3 659.1 131.8 493.4 275.3 275.3 151.2 275.3 151.2 157.8 8657.6 735.8 168.4 401.4 776.5 735.8													96 77 1155.9 286 308.6 69.2 51.7 45.7 45.7 68.4 88.1 23.8 22.4 64.5 81.1 104.8 44.3 60 255.6 657.9 319.2 329 171		695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1080 767.5 1173 828.3 1686 1003 561.8 393.5 561.8 393.5 561.6 2 514.9 175.2 366.5 478 478
ST-4A ST-5 ST-7 S.T.	4.1 6 9 11.5 13.35 15.95 17 0 1 1.3 2.36 4.5 9.9 10.7 11.5 18.25 19 0 0 3 3 5 6 6 7 7 8 10	485 7 10 125 1335 15 1675 17715 1 14 45 6 107 115 117 115 117 19 20 20 3 5 6 6 7 7 8 0 10 12 21 21 20 10 12 12 13 13 15	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.46 0.214 1.5 0.8 0.8 0.2 0.75 1 3 2 1 1 1 2 2 2	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 49 64 13 32.9 75.6 27 27.6 27.6 27.6 27.6 27.6 27.6 27.6		225 99 95 141 1655 234.9 258.5 162.4 20.1 310.7 332.8 170.5 150.9 38 232.2 146.4 18.5 18.3 230.1 82.9 18.1 18.6 18.3 230.1 82.9 18.1 18.5 235.5	44 72 45 78,4 99,1 107 62,4 31,1 15,6 52 46,8 13,6 55,3 65,5 33,4 42,1 52,7 24,8 24,9 93,6 13,3 42,1 24,8 24,9 93,6 13,1 8,2 8,2 8,2 13,1 8,2 93,6 13,1 13,1 13,1 13,1 13,1 13,1 13,1 1	64 78 52 49 602 866 78.4 62 53.9 205 886 782 265 264 233 17.7 215 782 631 526 34.5 34.7 54 42.5 38.8 28.7 28 53.2			1318 1030 1039 1057 1199 1227 1218 872.6 830.8 75.2 1455 738.6 701.3 97.7 64 748.6 744.7 1245 95.7 120.7 1000 859.1 153.1 116.2 297.2 107 672.3				5 5 5			141 139 137 145 349.8 168 185.3 145.8 398.7 612 244.4 245.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 370.8 275.3 151.2 657.6 735.8 168.4 401.4 776.5 735.8 168.4 401.4 776.5 735.8													96 77 71 155.9 286 69.2 51.7 45.7 65 77.4 38.1 68.4 88.1 23.8 22.4 81.1 104.8 44.3 60 255.8 207.6 657.9 319.2 3171 345.4		695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 62 253.4 1080 767.5 1173 828.3 1686 1003 561.8 393.5 561.8 393.5 561.6 2 514.9 1752 386.5 514.9
ST-4A ST-5 ST-7 S.T.Tr06A-1 S.T.Tr06A-2 S.T.Tr06A-3 S.T.Tr06A-3 S.T.Tr06A-4 S.T.Tr06A-4 S.T.Tr06A-3 S.T.Tr06A-3 S.T.Tr06B-3 S.T.Tr06B-3 S.T.Tr06B-3 S.T.Tr06B-4 S.T.Tr06B-3 S.T.Tr06B-4 S.T.Tr06B-4 S.T.Tr06B-4 S.T.Tr06B-4 S.T.Tr06B-4 S.T.Tr06B-4 S.T.Tr06D-4 S.T.Tr06D-4 S.T.Tr06D-4 S.T.Tr06D-4 S.T.Tr06D-5 S.T.Tr06D-6 S.	4.1 6 9 11.5 13 13.35 17 0 1 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 0 3 5 6 7 8 10.7 10.	485 7 10 125 1335 15 1675 17715 1335 1675 17715 1335 1675 17715 14 14 236 45 6 107 115 117 119 20 3 5 5 6 7 7 8 8 10 12 12 13	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 1.5 0.8 0.8 0.46 2.14 1.5 0.8 0.2 0.75 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 49 64 13 32.9 75.6 27 27.6 27.7 27.6 27.7 27.6 27.7 27.6 27.7 124.8 84.6 3.2 14.3 84.6 3.2 14.3 84.6 3.2 14.3 24 28.16 48.9 8 552 16.4 9.8 249 26.9 26.9 26.9 26.9 26.9 26.9 27 27.0 27.0 27.0 27.0 27.0 27.0 27.0 2		225 99 95 141 165,5 234,9 258,5 235,6 162,4 20,1 310,7 332,8 19,8 19,8 19,8 19,8 19,8 19,8 19,8 19	44 72 45 44 99.1 107 62.4 31.1 15.6 55 46.8 13.6 55.3 65.5 14.3 33.4 42.1 52.7 24.8 24.9 95.6 93.6 133.1 81 82 81.2 103.8 152.3	64 78 52 49 602 866 78.4 62 53.9 20.5 26.5 26.4 23.3 26.5 26.4 23.3 26.5 26.4 23.3 77.7 78.2 63.1 52.6 34.7 54 42.5 38.8 28.7 28 28.2 27.7	52 140 69 80 80 80 80 80 80 80 80 80 80 80 80 80		1318 1030 1003 10057 1199 1227 1218 872.6 830.8 752 1455 1354 114.9 738.6 701.3 97.7 120.7 120.7 120.7 120.7 120.7 120.7 120.7 120.7 120.7 120.7 120.7 120.7 120.7 120.7 120.7 153.1 116.2 297.2 107 672.3 155.5				5 5 5			141 139 137 145 349.8 168 185.3 145.8 398.7 145.8 398.7 145.8 398.7 145.8 398.7 145.8 659.1 111 131.8 659.1 111 131.8 657.6 657.6 735.8 657.6 735.8 657.6 168.4 401.4 776.5 727 469.4 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 246.3 351.7 27 351.7 27 351.7 27 351.7 3													95 77 71 155.9 286 308.6 68.2 51.7 45.7 65 77.4 39.1 68.4 88.1 23.8 22.4 64.5 81.1 104.8 22.4 64.5 81.1 104.8 22.6 60 255.8 267.6 657.9 319.2 329 171 345.4 774.2		695.5 1251 1434 4942 3424 1238 380.7 462 253.4 1199 1080 767.5 1173 828.3 1686 561.8 393.5 6162 514.9 175.2 3066.5 478 557 3845 177.9
ST-4A ST-5 ST-5 ST-7 S.T.17 (06A-1 S.T.17 (06A-2 S.T.17 (06A-2 S.T.17 (06A-3 S.T.17 (06A-4 S.T.17 (06A-4 S.T.17 (06A-4 S.T.17 (06A-4 S.T.17 (06A-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06D-4 S.T.17 (06D-4)S) S.T.17 (06D-4 S.T.17 (06D-4)S) S.T.17 (06D-4)S) S	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 19 0 3 5 6 7 8 10 12 13	485 7 10 125 1335 15 16,75 17,15 1 1,335 15 16,75 17,15 1,17 11,7 11,5 11,7 11,5 11,7 11,5 11,7 11,5 11,5	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 1.5 0.8 0.2 0.45 1 0.4 0.46 2.14 1.5 0.8 0.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 80 49 49 13 32.9 75.6 27 27.6 2.7 124.8 84.6 3.2 14.3 48.9 13.8 24 281.6 33.9 552 16.4 9.8 9.8 26.9 121.8 19.6 122.4 35.9 197.7 232 16.8 16.8		225 99 95 141 165,5 234,9 258,5 235,6 162,4 20,1 30,0,7 332,8 19,8 170,5 150,9 38 170,5 150,9 38 170,5 150,9 38 146,4 200,9 240,5 146,4 200,9 240,5 146,4 200,9 240,5 146,4 200,9 240,5 146,4 200,9 240,5 146,4 230,1 146,5 150,9 146,4 146,5 150,9 146,5 150,9 146,5 150,9 146,5 150,9 146,5 150,9 146,5 150,9 146,5 150,9 146,5 150,9 146,5 150,9 146,4 146,4 146,5 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 146,4 1	44 72 45 78,4 99,1 107 62,4 31,1 15,6 52 46,8 55,3 65,5 14,3 18,9 33,4 42,1 52,7 24,8 33,4 42,1 52,7 24,9 93,6 93,6 13,3,1 81 81 82 81,2 10,3,8 15,2,3 87,3	64 78 52 49 602 86.6 78.4 62 205 88.6 78.2 26.5 26.4 23.3 17.7 21.5 78.2 63.1 52.6 34.7 54 42.5 38.8 28.7 28.9 53.2 7.7.7 41.6			1318 1030 1009 1057 1199 1227 1218 872.6 830.8 752 1354 1445 1354 1449 738.6 701.3 97.7 64 95.7 120.7 1000 859.1 153.1 1162 297.2 107 672.3 155.5 155.5 152.1							141 139 137 145 349.8 168 185.3 398.7 612 244.4 231.3 659.1 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 493.4 493.4 370.8 275.3 151.2 755.8 168.4 401.4 401.4 401.4 401.4 401.4 355.8 696.7 727 727 727 726.9 469.4 356.17 754.3 754.5 754.5 754.5 755.8 755.9 755.8 755.8 755.8 755.8 755.8 755.8 755.8 755.9 755.8 755.8 755.9 755.8 755.8 755.9 755.8 755.9 757.9 757													95 77 71 155.9 286 308.6 69.2 51.7 45.7 65 77.4 39.1 68.4 23.8 22.4 64.5 81.1 104.8 44.3 60 255.8 207.6 657.9 319.2 32.9 171 345.4 43.9		695.5 1251 1434 494.2 342.4 1238 380.7 253.4 1199 1080 767.5 1173 828.3 1686 1003 561.8 393.5 561.8 393.5 561.8 393.5 561.2 175.2 386.5 478 557 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 57 384.5 77 77 9 77 77 9 77 77
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ST-4A ST-5 ST-5 ST-7 S.T.17 06A-1 S.T.17 06A-3 S.T.17 06A-3 S.T.17 06A-3 S.T.17 06A-4 S.T.17 06A-5 S.T.17 06A-5 S.T.17 06A-5 S.T.17 06A-5 S.T.17 06B-2 S.T.17 06B-2 S.T.17 06B-2 S.T.17 06B-3 S.T.17 06B-3 S.T.17 06B-3 S.T.17 06B-4 S.T.17 06B-3 S.T.17 06B-3 S.T.17 06B-4 S.T.17 06D-4 S.T.17 06D-4 S.T.1	4.1 6 9 11.5 13.3 15.95 17 0 1 1.3 13.35 15.95 17 0 1 1.3 13.35 15.95 17 0 1 9.9 1.3 15.95 17 0 1.3 15.95 17 0 1.3 15.95 17 0 1.3 15.95 17 0 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	485 7 10 125 1335 15 1675 177.15 1 1.4 2.36 4.5 6 10.7 11.5 11.7 11.7 11.7 11.7 11.7 11.7 11	0.75 1 1 1 1 0.35 0.8 0.15 1 0.4 0.46 0.46 0.46 0.46 0.46 0.41 1.5 0.8 0.8 0.25 1 3 0.2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 80 49 49 64 13 32.9 75.6 27.6 27.6 27.7 27.6 42.4 2.7 124.8 84.6 32 14.3 24 281.6 33.9 552 9.8 26.9 48.9 121.8 22.4 35.9 19.7 23.2 16.8 20.8 55.1 62.2 93.5 51.1 62.2 93.5		225 99 95 141 165,5 234,9 258,5 235,6 162,4 20,1 310,7 332,8 182,4 200,9 38 232,2 146,4 240,9 240,5 38 232,2 146,4 200,9 38 232,2 146,4 200,9 38 232,2 146,4 200,9 38 232,2 146,4 200,9 38 232,2 146,4 200,9 240,5 18,5 38,5 232,6 18,5 232,6 18,5 232,6 18,5 232,6 18,5 232,6 18,5 232,6 18,5 232,6 18,5 232,7 146,4 20,9 24,5 18,5 23,6 18,5 23,6 18,5 23,7 146,4 20,9 24,5 18,5 23,6 18,5 23,6 146,4 20,9 24,5 18,5 18,5 23,6 18,5 23,6 14,5 14,5 14,5 14,5 14,5 14,5 14,5 14,5	44 72 45 44 78.4 99.1 107 62.4 31.1 15.6 55 46.8 13.6 55.3 11.3 65.5 51.4 33.4 42.1 52.7 24.8 93.6 93.6 93.6 93.6 93.6 13.3 1 81 95.6 93.6 13.3 1 81 2 49 95.6 93.6 13.3 1 81 2 49 95.6 55.3 13.3 1 82 87.3 73 73 73 73 73 73 73 73 73 73 73 73 73	64 78 52 49 602 866 78.4 62 53.9 205 886 78.2 265 265 264 205 886 77 215 33.8 28.7 28.9 53.2 27.7 41.6 25.8 33.5 201 307.8			1318 1030 1039 1057 1199 1227 1218 872.6 830.8 75.2 1354 114.9 738.6 701.3 97.7 64 748.6 748.6 748.7 120.7 1000 859.1 153.1 165.5 152.1 173.5 183.4 236 109.4 1334							141 139 137 145 349.8 185.3 145.8 185.3 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 493.4 493.4 493.4 493.4 493.4 493.4 151.2 155.3 151.2 151.2 151.2 155.8 168.4 401.4 7727 469.4 409.4 351.7 546.3 698.7 277 546.3 698.7 277 546.3 169.1 182.3 241.5 249.9 275.5													95 77 71 155.9 286 308.6 69.2 51.7 45.7 77.4 39.1 68.4 88.1 23.8 68.4 68.1 23.8 24.5 81.1 104.8 267.6 657.9 3192 2171 345.4 774.2 434.9 157.3 97.8 114.8 117.8 91.1		695.5 1251 1434 4942 380.7 462 253.4 1199 1080 767.5 1173 828.3 1686 1031 661.8 393.5 6162 514.9 386.5 177.2 386.5 177.9 555.5 162.7 317.7 488.5 6202 6202 6202 6202
ST-4A ST-5 ST-7	4.1 6 9 11.5 13.35 15.95 17 0 1 1.3 2.36 4.5 9.9 10.7 11.5 18.25 19 10.7 11.5 18.25 19 0 3 3 5 6 6 7 7 8 10 0 12 13 8 0 0 2 4 4 6 8 10 2 10 10 10 10 10 10 10 10 10 10	485 7 10 125 1335 15 1675 17715 1 14 4 236 6 107 115 117 19 20 20 3 5 5 6 6 7 7 8 10 2 12 3 3 5 5 6 6 7 7 115 117 15 117 15 117 15 10 12 12 13 3 15 16 17 17 15 16 17 17 15 17 17 15 17 17 17 17 17 17 17 17 17 17 17 17 17	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 1.5 0.8 0.2 0.75 1 0.4 0.2 0.75 1 1 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 49 49 49 55 55 27 27 58 27 52 27 55 27 55 27 55 27 55 27 55 27 55 27 55 27 55 27 55 27 55 27 55 27 55 2 16 4 8 45 9 55 2 16 4 8 9 5 5 5 16 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		225 99 95 141 165.5 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19	44 72 45 78,4 99,1 107 62,4 41 107 62,4 11 15,6 55,3 65,5 13,3 65,5 14,3 18,9 33,4 42,1 52,7 24,8 33,4 42,1 52,7 24,8 33,4 42,1 55,3 13,3 18,9 33,4 42,1 82,9 33,6 55,5 71,2 82,9 74,2 74,2 82,9 74,2 82,9 74,2 82,9 74,2 74,2 82,9 74,2 74,2 74,2 74,2 74,2 74,2 74,2 74,2	64 78 52 49 60.2 866.6 78.4 62 53.9 205 88.6 78.2 26.5 26.4 23.3 77.7 78.2 63.1 52.6 34.5 34.7 54 42.5 38.8 28.7 28 53.2 27.7 41.6 13.4 25.8 30.7.8 79.3			1318 1030 1039 1057 1199 1227 1218 872.6 830.8 75.2 1455 1354 114.9 738.6 701.3 95.7 120.7 1000 859.1 153.1 116.2 297.2 155.5 152.1 73.5 152.1 73.5 152.1 73.5 183.4 844.3							141 139 137 145 349.8 168 145.8 398.7 612 244.4 231.3 659.1 111 131.8 493.4 370.8 275.3 151.2 178.8 657.6 735.8 168.4 409.4 351.7 469.4 356.9 82.2 469.4 351.7 462.3 244.9 398.7 396.1													95 77 71 155.9 286 308.6 69.2 51.7 45.7 66 39.1 66.4 88.1 23.8 64.5 81.1 104.8 44.3 60 255.8 267.6 655.9 319.2 329 319.2 319.2 319.2 319.2 319.2 311.1 114.8 111.8 91.1 131.2		695.5 1251 1434 494.2 342.4 123.8 380.7 462 253.4 1199 1080 767.5 1173 828.3 1003 561.8 393.5 514.9 177.2 384.5 177.9 207.9 555.5 1627 317.7 488.5 620.2 431.4
ST-4A ST-5 ST-5 ST-7 S.T.17 (06A-1 S.T.17 (06A-2 S.T.17 (06A-3 S.T.17 (06A-3 S.T.17 (06A-3 S.T.17 (06A-4 S.T.17 (06A-4 S.T.17 (06A-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06B-4 S.T.17 (06D-4 S.T.17 (06D-4) S.T.17 (06D-4 S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T.17 (06D-4) S.T	4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.5 9 17 0 1 1.5 9 17 0 1 1.5 13 13.35 15.95 17 0 1 1.5 13 13.35 15.95 17 0 1 1.5 13 13.35 15.95 17 0 1 1.5 13 1.5 15 15 15 15 15 15 15 15 15 1	4485 7 10 125 1335 15 1675 17.15 1 1.4 2.36 4.5 6 6 10.7 11.5 11.7 11.7 11.9 20 3 5 6 6 7 7 8 10 12 7 11.5 11.7 11.7 11.7 11.7 5 6 6 7 7 11.2 5 11.2 5 11.3 5 11.2 5 11.3 5 11.2 5 11.3 5 11.2 5 11.3 5 11.5 11.	0.75 1 1 1 0.35 1.65 0.8 0.15 1 0.4 0.46 2.14 1.5 0.8 0.8 0.46 2.14 1.5 0.8 0.2 0.75 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0.46 0.2 1 1 0 2 1 1 1 0 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	JAEC JAEC JAEC JAEC JAEC JAEC JAEC JAEC					80 49 64 13 32.9 75.6 27 27.6 42.4 2.7 124.8 84.6 3.2 14.3 48.9 13.8 24 281.6 33.9 155.2 16.4 9.8 26.9 19.7 121.8 19.6 22.4 35.9 19.7 19.7 19.6 22.4 35.9 19.7 19.6 22.4 35.5 116.2 20.8 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9		225 99 141 1655 234.9 258.5 235.6 162.4 20.1 310.7 332.8 19.8 170.5 38 232.1 146.4 150.9 38 232.1 146.4 20.9 38 232.1 146.4 18.5 18.5 18.5 18.3 230.1 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18	44 72 45 44 78.4 99.1 107 62.4 99.1 115.6 55.2 46.8 13.6 55.3 65.5 14.3 18.9 33.4 42.1 65.5 14.3 18.9 33.4 42.1 24.8 24.9 93.6 55.6 93.6 133.1 81 82 81.2 1033.1 81 82 81.2 1033.1 81 82 81.2 1052.5 71.2 72.6 44.8	64 78 52 49 602 866 78.4 62 88.6 78.2 26.5 26.4 23.3 17.7 21.5 78.2 63.1 26.5 34.7 52.6 34.7 54 42.5 38.8 28.7 28 28.9 53.2 20.1 307.8 79.3 25.2			1318 1000 10039 1007 11199 1227 1218 872.6 830.8 752 1455 1354 1455 701.3 97.7 64 748.6 744.7 120.7 1000 859.1 1245 95.7 120.7 1000 859.1 116.2 297.2 1000 859.1 116.2 297.2 107 672.3 183.4 236 1084 844.3 1284 844.3 1284							141 139 137 145 349.8 168 185.3 398.7 612 244.4 231.3 398.7 612 244.4 231.3 559.1 111 131.8 493.4 370.8 275.3 151.2 178.8 657.6 727 727 469.4 351.7 754.6 727 727 469.4 351.7 754.6 727 727 469.4 351.7 727 727 469.4 351.7 727 727 469.4 351.7 727 727 469.4 351.7 727 727 469.4 351.7 727 727 727 727 727 727 727 727 727 7													95 77 71 155.9 286 308.6 69.2 51.7 45.7 66 77.4 33.1 68.4 88.1 23.8 22.4 88.1 23.8 22.4 66.4 88.1 23.8 22.4 60.7 319.2 329 319.2 329 319.2 329 177.4 345.4 97.8 117.8 91.1 131.2 122.8		695.5 1251 1434 4942 380.7 462 253.4 1199 1080 767.5 1173 828.3 935.5 514.9 175.2 386.5 478 557 384.5 577 384.5 577 384.5 567.5 162.7 317.7 207.9 555.5 162.2 431.4 279.7
8.2.3 XRF Results

S.ID.	From	То	Fe2O3 Wt.%	MnO Wt.%	TiO2 Wt.%	CaO Wt.%	K2O Wt.%	SO3 Wt.%	SiO2 Wt.%	AI2O3 Wt.%	MgO Wt.%	Na2O Wt.%	L.O.I Wt.%
ST-TR01- S01	1	1.33	3.15	<0.050	0.21	0.33	4.48	0.035	76.07	10.48	0.5	3.15	1.34
ST-TR01- S02	3	4	2.98	< 0.050	0.2	0.48	4.31	0.029	76.29	10.32	0.31	3.62	1.22
ST-TR01- S03	4	5	3.05	<0.050	0.21	0.44	4.52	0.018	76.09	10.51	0.49	3.25	1.2
ST-TR01- S04	5	5.63	3.07	<0.050	0.22	0.64	4.32	0.045	76.13	10.14	0.5	3.11	1.6
ST-TR01- S05	5.63	6.1	3.16	<0.050	0.21	0.44	4.51	0.071	75.98	10.29	0.47	3.19	1.45
ST-TR01- S06	6.1	7	2.92	< 0.050	0.21	0.47	4.61	0.021	76.08	10.36	0.39	3.31	1.33
ST-TR01- S07	8.33	8.56	3.03	< 0.050	0.2	0.53	4.6	0.013	75.9	10.38	<0.28	3.68	1.16
S.T. Tr02-S# 01	1.17	1.34	3.59	< 0.050	0.22	2.36	3.54	< 0.060	74.68	8.54	0.5	2.61	3.91
S.T. Tr02-S# 02	1.34	3	2.88	< 0.050	0.19	1.57	3.84	< 0.060	76.51	9.08	0.77	2.77	2.36
S.T. Tr02-S# 03	3	4.22	2.93	0.062	0.22	2.02	3.92	< 0.060	74.4	9.52	0.79	2.97	3.16
S.T. Tr02-S# 04	4.22	6.36	3	0.053	0.2	1.64	3.98	< 0.060	75.08	9.92	0.48	3.41	2.23
S.T. Tr02-S# 05	6.36	8.14	2.91	0.057	0.2	1.32	4.28	< 0.060	75.18	10.11	0.65	3.28	2.02
S.T. Tr02-S# 06	8.14	9.5	2.95	< 0.050	0.21	1.3	4.3	< 0.060	75.09	10.06	0.7	2.68	2.65
S.T. Tr02-S# 07	9.5	10	3	0.066	0.21	1.67	4.21	< 0.060	74.56	10.02	0.54	2.92	2.79
ST-Tr03- S01	4	5	3.05	<0.050	0.21	0.31	4.95	0.083	76.43	10.48	0.29	2.9	1.06
ST-Tr03- S02	5	6	2.86	< 0.050	0.2	1.16	4.7	0.091	74.9	10.12	0.59	2.25	2.89
ST-Tr03- S03	6	7	2.96	< 0.050	0.2	1.42	5.11	1.02	72.88	9.79	0.69	1.72	3.87
ST-S01	-	-	11.05	0.3	1.96	2.71	3.76	0.52	39.5	15.21	8.91	2.19	12.37
ST- S02	-	-	11.02	0.33	1.95	3.91	4.11	0.085	40.7	15.05	10.49	1.49	9.76
A03-S01	-	-	0.71	0.073	0.036	0.58	5.41	0.019	73.61	14.29	0.31	3.31	1.41
A03- S02	-	-	0.59	<0.050	0.85	0.44	4.62	0.05	72.93	14.09	<0.28	4.09	1.27
A03- S03	-	-	0.3	< 0.050	0.029	0.48	1.86	0.022	88.49	5.93	<0.28	1.54	0.94
S.T.Tr 04- 1	0	0.7	3.04	0.058	0.21	2.17	4.06	0.22	73.44	9.88	0.34	3.76	2.61
S.T.Tr 04- 2	0.7	1.34	10.37	0.22	1.77	5.16	3.20	0.16	45.63	15.27	8.65	1.44	6.77
S.T.Tr 04- 3	1.34	2	8.95	0.33	1.22	16.51	5.90	0.005	32.97	10.25	6.39	0.17	16.36
S.T. Ir 04- 4	2 84	2.84	3.58	0.46	0.26	9.31	4.17	0.073	60.16 37.30	8.43	2.19	0.34	9.51
S.T.Tr 04- 6	4.3	5.94	3.08	0.05	0.20	0.53	5.21	0.069	75.40	10.41	0.28	3.26	1.40
S.T.Tr 04- 7	5.94	6.3	5.70	0.16	0.60	0.90	4.87	0.052	67.69	11.55	2.78	2.64	2.66
S.T.Tr 04- 8	6.3	8	3.14	0.05	0.20	0.72	4.24	0.23	75.59	10.28	<0.28	4.05	1.20
S.T.Tr 04- 9 S.T.Tr 05-01	3.54	4.3	9.58	0.34	1.62	4.93	5.19	0.10	44.80	13.63	9.56	0.93	8.10
5.1 11 05-01	0	1	3.07	0.052	0.10	0.01	J.JZ	0.14	75.07	10.25	0.42	1.00	1.02
S.T Tr 05-02	1	1.5	6.21	0.17	0.77	5.77	4.33	2.23	55.80	11.16	3.93	1.99	7.30
S.T Tr 05-02 S.T Tr 05-03	1 1.5	1.5 1.88	6.21 2.87	0.17 0.18	0.77 0.26	5.77 8.11	4.33 4.48	2.23 3.90	55.80 59.96	11.16 8.58	3.93 1.45	1.99 1.48	7.30 8.68
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04	1 1.5 1.88	1.5 1.88 2.31	6.21 2.87 4.17	0.17 0.18 0.15	0.26	5.77 8.11 4.93	4.33 4.48 5.92	2.23 3.90 2.91	55.80 59.96 61.76	11.16 8.58 9.64	3.93 1.45 2.69	1.99 1.48 0.63	7.30 8.68 6.59
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-05 S T Tr 05-06	1 1.5 1.88 3.71 4 54	1.5 1.88 2.31 4.54 5.4	6.21 2.87 4.17 3.04 2.90	0.17 0.18 0.15 0.051	0.77 0.26 0.45 0.20	5.77 8.11 4.93 1.21 2.03	4.33 4.48 5.92 4.39 4.31	2.23 3.90 2.91 0.76 1.23	55.80 59.96 61.76 73.82 72.27	11.16 8.58 9.64 10.14 9.80	3.93 1.45 2.69 0.53 0.52	1.99 1.48 0.63 3.28	7.30 8.68 6.59 2.56 3.52
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-05 S.T Tr 05-06 S.T.Tr 06A-1	1 1.5 1.88 3.71 4.54 4.1	1.5 1.88 2.31 4.54 5.4 4.85	6.21 2.87 4.17 3.04 2.90 8.68	0.17 0.18 0.15 0.051 < 0.050 0.47	0.77 0.26 0.45 0.20 0.19 0.97	5.77 8.11 4.93 1.21 2.03 2.96	4.33 4.48 5.92 4.39 4.31 3.74	2.23 3.90 2.91 0.76 1.23 2.47	55.80 59.96 61.76 73.82 72.27 51.3	11.16 8.58 9.64 10.14 9.80 10.96	3.93 1.45 2.69 0.53 0.52 7.85	1.99 1.48 0.63 3.28 <0.34 1.63	7.30 8.68 6.59 2.56 3.52 8.01
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-05 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2	1 1.5 1.88 3.71 4.54 4.1 6	1.5 1.88 2.31 4.54 5.4 4.85 7	6.21 2.87 4.17 3.04 2.90 8.68 11.26	0.17 0.18 0.15 0.051 < 0.050 0.47 0.51	0.77 0.26 0.45 0.20 0.19 0.97 1.44	5.77 8.11 4.93 1.21 2.03 2.96 2.8	4.33 4.48 5.92 4.39 4.31 3.74 3.33	2.23 3.90 2.91 0.76 1.23 2.47 1.78	55.80 59.96 61.76 73.82 72.27 51.3 42.2	11.16 8.58 9.64 10.14 9.80 10.96 12.73	3.93 1.45 2.69 0.53 0.52 7.85 12.73	1.99 1.48 0.63 3.28 <0.34 1.63 1.15	7.30 8.68 6.59 2.56 3.52 8.01 8.8
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-05 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3	1 1.5 1.88 3.71 4.54 4.1 6 9	1.5 1.88 2.31 4.54 5.4 4.85 7 10	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35	0.17 0.18 0.15 0.051 < 0.050 0.47 0.51 0.47	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45	5.77 8.11 4.93 1.21 2.03 2.96 2.8 3.97	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15	55.80 59.96 61.76 73.82 72.27 51.3 42.2 42.12	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97	1.99 1.48 0.63 3.28 <0.34 1.63 1.15 1.07	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.8 8.87
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T Tr 06A-4	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13	1.5 1.88 2.31 4.54 5.4 4.85 7 10 12.5 13.35	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83	0.17 0.18 0.15 0.051 < 0.050 0.47 0.51 0.47 0.51 0.47 0.	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35	5.77 8.11 4.93 1.21 2.03 2.96 2.8 3.97 8.94	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.0 4 75	55.80 59.96 61.76 73.82 72.27 51.3 42.2 42.12 32.9 56.68	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64	1.99 1.48 0.63 3.28 <0.34 1.63 1.15 1.07 1.06 3.27	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-2 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-6	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35	1.5 1.88 2.31 4.54 5.4 4.85 7 10 12.5 13.35 15	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72	0.17 0.18 0.15 0.051 < 0.050 0.47 0.51 0.47 0.34 0.34 0.34	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 10 4.75 0.95	55.80 59.96 61.76 73.82 72.27 51.3 42.2 42.12 32.9 56.68 72.4	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 12.04 10.23	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38	1.99 1.48 0.63 3.28 <0.34 1.63 1.15 1.07 1.06 3.27 3.38	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-2 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-7	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95	1.5 1.88 2.31 4.54 5.4 4.85 7 10 12.5 13.35 15 16.75	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07	0.17 0.18 0.15 0.051 < 0.050 0.47 0.51 0.47 0.34 0.34 0.34 0.054	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01	5.77 8.11 4.93 1.21 2.03 2.96 2.8 3.97 8.94 1.55 2.06 3.41	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 100 4.75 0.95 1.27	55.80 59.96 61.76 73.82 72.27 42.2 42.12 32.9 56.68 72.4 46.82	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 10.71 10.23 14.05	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33	1.99 1.48 0.63 3.28 <0.34 1.63 1.15 1.07 1.06 3.27 3.38 3.02	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-7 S.T.Tr 06A-7	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 17	1.5 1.88 2.31 4.54 5.4 4.85 7 10 12.5 13.35 15 16.75 17.15	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75	0.17 0.18 0.15 0.051 < 0.050 0.47 0.51 0.47 0.33 0.054 0.65	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 2.37	5.77 8.11 4.93 1.21 2.03 2.96 2.8 3.97 8.94 1.55 2.06 3.41 1.9	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.0 4.75 0.95 1.27 0.13	55.80 59.96 61.76 73.82 72.27 42.12 42.12 32.9 56.68 72.4 46.82 45.83	11.16 8.58 9.64 10.14 9.80 12.73 12.71 12.71 10.71 12.04 10.23 14.05 15.8	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94	1.99 1.48 0.63 3.28 <0.34 1.63 1.15 1.07 1.06 3.27 3.38 3.02 2.78	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77 6.68
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06A-8 S.T.Tr 06A-8 S.T.Tr 06A-8	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1	1.5 1.88 2.31 4.54 5.4 4.85 7 10 12.5 13.35 15 16.75 17.15 1	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81	0.17 0.18 0.15 0.051 < 0.050 0.47 0.51 0.47 0.33 0.054 0.66 0.077 0.65	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 2.37 0.19	5.77 8.11 4.93 1.21 2.03 2.96 2.8 3.97 8.94 1.55 2.06 3.41 1.9 2.56	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 2.66	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.05 0.95 1.27 0.13 1 0.22	55.80 59.96 61.76 73.82 72.27 42.12 42.12 32.9 56.68 72.4 46.82 45.83 71.58 26.78	11.16 8.58 9.64 10.14 9.80 12.73 12.71 12.71 10.71 12.04 10.23 14.05 15.8 9.52 212.01	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.26	1.99 1.48 0.63 3.28 <0.34 <0.34 <1.63 1.15 1.07 1.06 3.27 3.38 3.02 2.78 2.49 1.40	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77 6.68 4.76
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-2 S.T.Tr 06B-3	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05	0.17 0.18 0.051 < 0.050 < 0.050 < 0.050 < 0.47 0.47 0.34 0.33 0.054 0.66 0.077 0.655 0.56	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21	5.77 8.11 4.93 1.21 2.03 2.96 2.8 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77	2.23 3.90 2.91 0.76 1.23 1.15 1.07 1.23 1.15 0.05 1.27 0.13 1 0.33 0.23	55.80 59.96 61.76 73.82 72.27 42.12 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.8	1.99 1.48 0.63 3.28 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.327 0.63 3.27 3.38 3.02 2.78 2.49 0.49 1.49 0.72	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 6.68 4.76 14.41
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-4	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1 1.9 2.36	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92	0.17 0.18 0.051 < 0.051 < 0.050 0.47 0.51 0.47 0.34 0.33 0.054 0.66 0.077 0.655 0.566 0.41	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21 0.17	5.77 8.11 4.93 1.21 2.03 2.96 2.8 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72	2.23 3.90 2.91 0.76 1.23 1.23 1.15 1.07 0.05 1.27 0.13 1.1 0.33 0.23 0.12	55.80 59.96 61.76 73.82 72.27 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.05	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.8 0.99	1.99 1.48 0.63 3.28 <0.34 <0.34 <1.63 1.15 1.07 1.06 3.27 3.38 3.02 2.78 2.49 1.49 0.72 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 6.68 4.76 14.41 15.77 9.63
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-5	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 4.5	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31	0.17 0.18 0.15 0.051 < 0.050 0.47 0.51 0.47 0.34 0.33 0.054 0.66 0.077 0.65 0.56 0.41 1.76	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.1	5.77 8.11 4.93 1.21 2.03 2.96 2.8 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 0.05 1.27 0.13 1.1 0.33 0.23 0.12 0.23	55.80 59.96 61.76 73.82 72.27 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.05 5.75	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.8 0.99 1	1.99 1.48 0.63 3.28 <0.34 <0.34 <1.63 1.15 1.07 1.06 3.27 3.38 3.02 2.78 2.49 1.49 0.72 <0.34 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77 6.68 4.76 6.68 4.76 14.41 15.77 9.63 17.2
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-5 S.T.Tr 06B-5 S.T.Tr 06B-7	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7	1.5 1.88 2.31 4.54 5.4 4.85 7 10 12.5 13.35 15 16.75 17.15 1 1.4 2.36 4.5 6 10.7 115	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55	0.17 0.18 0.15 0.051 < 0.050 < 0.057 0.47 0.51 0.47 0.34 0.03 0.054 0.65 0.055 0.656 0.41 1.76 0.49 0.45	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.1 2.20	5.77 8.11 4.93 1.21 2.03 2.96 2.86 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61 9.55 4.5	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.77	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.0 4.75 0.95 1.27 0.13 1.1 0.33 0.23 0.12 0.23 1.95 0.23 0.72	55.80 59.96 61.76 73.82 72.27 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 45.0	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.05 5.75 11.36	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.8 0.99 1 5.86 0.99	1.99 1.48 0.63 3.28 <0.34 <0.34 <1.63 1.15 1.07 1.06 3.27 3.38 3.02 2.78 2.49 1.49 0.72 <0.34 <0.34 <0.34 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 17.2
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-5 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63	0.17 0.18 0.15 0.051 < 0.050 0.47 0.34 0.65 0.66 0.077 0.655 0.566 0.41 1.76 0.49 0.45 0.42	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.17 0.1 2.20	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.99 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.35	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.56 4.21 3.56	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.0 4.75 0.95 1.27 0.13 1.1 0.33 0.23 0.12 0.23 1.95 0.97 1.18	55.80 59.96 61.76 73.82 72.27 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.05 5.75 11.36 16.14	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.8 7.36 6.8 0.99 1 5.86 8.11 9.5	1.99 1.48 0.63 3.28 <0.34 <0.34 <1.63 1.15 1.07 1.06 3.27 3.38 3.02 2.78 2.49 1.49 0.72 <0.34 <0.34 <0.34 <1.36 2.03 2.62	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 7.82 8.06
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-5 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-8 S.T.Tr 06B-7	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51	0.17 0.18 0.15 0.051 < 0.050 < 0.050 < 0.047 0.34 0.03 0.054 0.66 0.067 0.65 0.566 0.41 1.76 0.49 0.42 0.84	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.17 0.1 1.24 2.09 2.13 0.16	5.77 8.11 4.93 1.21 2.03 2.96 2.8 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.355 7.95	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16	2.23 3.90 2.91 0.76 1.23 1.23 1.15 1.07 0.13 1.0 1.27 0.13 1.15 0.95 1.27 0.13 1.27 0.13 1.27 0.13 1.15 0.33 0.23 0.12 0.23 1.95 0.97 1.18 0.087	55.80 59.96 61.76 73.82 72.27 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.05 5.75 11.36 16.14 15.52 8.66	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.8 0.99 1 5.86 8.11 9.5 0.79	1.99 1.48 0.63 3.28 <0.34 <0.34 <1.63 1.15 1.07 1.06 3.27 3.38 3.02 2.78 2.49 1.49 0.72 <0.34 <0.34 <0.34 <0.34 <1.36 2.034 <0.53 2.62 1.04 <0.53 .07 .07 .07 .07 .07 .07 .07 .07	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 7.82 8.06 8.61
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-6 S.T.Tr 06B-5 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06C-1 S.T.Tr 06C-1	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81	0.17 0.18 0.15 0.051 < 0.050 0.47 0.34 0.33 0.054 0.65 0.66 0.077 0.655 0.566 0.41 1.76 0.49 0.42 0.844 0.27	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.17 0.11 1.24 2.09 2.13 0.16 0.18	5.77 8.11 4.93 1.21 2.03 2.96 2.8 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.35 7.95 4.69	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 5.72 4.49 3.86 4.27 4.27 5.72 4.49 3.86 4.27 4.28 5.72 4.49 3.86 4.27 4.29 5.72 4.49 3.86 4.27 4.29 5.72 4.49 3.86 4.27 4.29 5.72 4.49 3.86 4.27 4.29 5.72 4.29 5.72 4.49 3.86 4.27 5.72 4.49 3.55 5.72 4.28 4.21 3.55 5.72 4.28 4.21 3.55 5.72 4.28 4.29 3.55 5.72 4.28 4.29 3.55 5.72 4.49 3.55 5.76 4.28 4.29 3.55 5.72 4.49 3.55 5.76 4.28 4.29 3.55 5.76 4.28 4.29 3.55 5.76 4.28 4.29 3.55 5.76 4.48 5.76	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.0 4.75 0.95 1.27 0.13 1.1 0.33 0.23 0.12 0.23 1.95 0.97 1.18 0.087 1.18	55.80 59.96 61.76 73.82 72.27 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77	11.16 8.58 9.64 10.14 9.80 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.05 5.75 11.36 16.14 15.52 8.66 9.29	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.8 0.99 1 5.86 8.11 9.5 0.79 0.61	1.99 1.48 0.63 3.28 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 7.82 8.06 8.61 5.71
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-2 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-5 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06C-1 S.T.Tr 06C-1 S.T.Tr 06C-2 S.T.Tr 06C-2 S.T.Tr 06D-1	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 0 2	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ \epsilon \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49	0.17 0.18 0.15 0.051 < 0.050 0.47 0.34 0.65 0.34 0.054 0.66 0.077 0.65 0.56 0.041 1.76 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.44 0.45 0.45 0.47 0.42 0.42 0.42 0.42 0.48 0.48 00.48 00.48 00.48 00.48 00.48 0	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.17 0.17 0.11 1.24 2.09 2.13 0.16 0.18 2.05 1.44 1.45 1	5.77 8.11 4.93 1.21 2.03 2.96 2.86 3.97 8.94 1.55 2.06 3.41 1.99 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.35 7.95 4.69 6.40 5.72	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.55	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.0 4.75 0.95 1.27 0.13 1.1 0.33 0.23 0.12 0.23 1.95 0.97 1.18 0.087 1.18 0.087	55.80 59.96 61.76 73.82 72.27 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 5.75 11.36 8.05 5.75 11.36 16.14 15.52 8.66 9.29 15.14	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.88 7.36 6.88 0.99 1 5.86 8.11 9.55 0.79 0.61 9.86 4.02 0.79 0.61 9.86 4.02 0.79 0.61 9.86 4.02 0.79 0.61 9.86 4.02 0.79 0.61 0.52 0.79 0.62 0.79 0.63 0.65 0.78 0.79 0.79 0.61 0.98 0.79 0.61 0.98 0.79 0.61 0.98 0.79 0.61 0.98 0.79 0.61 0.98 0.79 0.61 0.98 0.79 0.61 0.98 0.98 0	1.99 1.48 0.63 3.28 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.327 3.38 3.02 2.78 3.02 2.78 3.02 2.78 3.02 2.78 3.02 2.78 3.02 2.49 0.72 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.327 <0.34 <0.327 <0.34 <0.327 <0.34 <0.327 <0.34 <0.327 <0.34 <0.327 <0.34 <0.327 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 17.2 8.06 8.61 5.71 11.60
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-5 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06C-1 S.T.Tr 06C-1 S.T.Tr 06C-2 S.T.Tr 6D-1 S.T.Tr 6D-1 S.T.Tr 6D-3	$ \begin{array}{r} 1 \\ 1.5 \\ 1.88 \\ 3.71 \\ 4.54 \\ 4.1 \\ 6 \\ 9 \\ 11.5 \\ 13 \\ 13.35 \\ 15.95 \\ 17 \\ 0 \\ 1.3 \\ 13.35 \\ 15.95 \\ 17 \\ 0 \\ 1.9 \\ 2.36 \\ 4.5 \\ 9.9 \\ 10.7 \\ 11.5 \\ 18.25 \\ 19 \\ 0 \\ 3 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 19 \\ 0 \\ 3 \\ 5 \\ 5 \\ 10 \\ 7 \\ 10 \\ 10 \\ 7 \\ 10 \\ 11 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 $	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 6 \\ \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.9 8.63 2.51 2.81 7.49 6.76 4.33	0.17 0.18 0.15 0.051 < 0.050 0.47 0.34 0.33 0.054 0.47 0.34 0.047 0.34 0.055 0.42 0.41 1.76 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.45 0.42 0.45 0.42 0.45 0.45 0.45 0.45 0.47 0.51 0.47 0.51 0.47 0.51 0.47 0.51 0.47 0.51 0.47 0.51 0.47 0.51 0.47 0.51 0.47 0.51 0.47 0.51 0.47 0.51 0.47 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.47 0.55 0.55 0.47 0.55 0.55 0.47 0.55 0.55 0.55 0.47 0.47 0.55 0.55 0.55 0.47 0.47 0.55 0.55 0.47 0.55 0.55 0.55 0.47 0.44 0.47 0.55 0.55 0.47 0.44 0.45 0.44 0.45 0.44 0.45 00 0.45 0.45 0.45 00 0.45 00	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.17 0.11 1.24 2.09 2.13 0.16 0.18 2.05 0.21	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.99 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.35 7.95 4.69 6.40 5.79 1.21	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.0 4.75 0.95 1.27 0.13 1.0 3.33 0.23 0.23 1.95 0.97 1.18 0.087 1.18 0.087 1.0 0.53 0.28 0.06	55.80 59.96 61.76 73.82 72.27 42.12 32.9 56.68 72.4 46.82 46.82 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05 73.70	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 5.75 11.36 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.88 7.36 6.88 0.99 1 5.86 8.11 9.55 0.79 0.61 9.869 0.35 0.79 0.61 9.869 0.35 0.79 0.61 9.869 0.35 0.79 0.61 9.869 0.35 0.79 0.61 9.869 0.35 0.79 0.61 9.869 0.79 0.61 0.52 0.79 0.61 0.52 0.79 0.62 0.785 0.795 0.79 0.61 0.785 0.756 0.795 0.79 0.61 0.785 0.795 0.795 0.795 0.795 0.795 0.79 0.61 0.795 0.755 0	1.99 1.48 0.63 3.28 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 111.1 7.82 8.06 8.61 5.71 11.60 12.39 2.32
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-5 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06C-1 S.T.Tr 06C-1 S.T.Tr 06D-1 S.T.Tr 06D-3 S.T.Tr 6D-1 S.T.Tr 6D-3 S.T.Tr 6D-3	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 0 3 5 6	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.22	0.17 0.18 0.15 0.051 < 0.050 0.47 0.34 0.65 0.47 0.34 0.054 0.66 0.66 0.065 0.055 0.655 0.656 0.41 1.76 0.42 0.44 0.45 0.42 0.45 0.42 0.84 0.27 0.38 0.23 0.28 0.27 0.38 0.27 0.38 0.27 0.38 0.27 0.38 0.27 0.38 0.27 0.38 0.47 0.47 0.55 0.5	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.17 0.11 1.24 2.09 2.13 0.16 0.18 2.05 1.25 0.21 0.19	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.99 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.35 7.95 4.69 6.40 5.79 1.13 3.54	4.33 4.48 5.92 4.39 4.31 3.74 3.37 4.31 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51 6.96	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.05 1.07 0.13 1.0 4.75 0.95 1.27 0.13 1.15 0.33 0.23 0.12 0.23 1.95 0.97 1.18 0.087 1.18 0.087 0.28 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.07 0.07 0.07 0.03 0.06 0.06 0.06 0.06 0.05	55.80 59.96 61.76 73.82 72.27 42.12 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05 73.70 71.83	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 12.04 10.23 14.05 15.82 9.52 12.01 11.45 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 9.60	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.8 7.35 6.65 7.35 6.65 7.35 7.	1.99 1.48 0.63 3.28 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 11.7 8.80 6.8.61 5.71 11.60 12.39 2.32 4.40
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-5 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06D-1 S.T.Tr 06D-1 S.T.Tr 6D-1 S.T.Tr 6D-1 S.T.Tr 6D-3 S.T.Tr 6D-4 S.T.Tr 6D-5	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 113 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 0 3 5 6 7	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 8 \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.22 3.03	0.17 0.18 0.15 0.051 < 0.050 0.47 0.34 0.65 0.34 0.054 0.66 0.66 0.077 0.655 0.655 0.656 0.41 1.766 0.42 0.42 0.44 0.455 0.42 0.455 0.42 0.455 0.425 0.425 0.425 0.425 0.455 0	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.17 0.11 1.24 2.09 2.13 0.16 0.21 0.21 0.19	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.99 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.35 7.95 4.69 6.40 5.79 1.13 3.54 13.44	4.33 4.48 5.92 4.39 4.31 3.74 3.37 4.31 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51 6.96 5.05	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.0 4.75 0.95 1.27 0.13 1.0 3.3 0.23 0.23 0.23 0.53 1.95	55.80 59.96 61.76 73.82 72.27 42.12 42.12 32.9 56.68 72.4 46.82 71.58 36.78 34.82 61.68 47.46 45.03 45.03 45.03 61.68 47.46 68.77 41.14 50.05 73.70 71.83 55.13	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 12.04 10.23 14.05 15.88 9.52 12.01 11.45 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 9.60 8.14	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 4.64 0.38 9.33 9.94 1.68 7.36 6.88 7.36 7.37	1.99 1.48 0.63 3.28 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 111.1 7.82 8.06 8.61 5.71 11.60 12.39 2.32 4.40 13.06
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-6 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-5 S.T.Tr 06B-6 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06D-1 S.T.Tr 6D-1 S.T.Tr 6D-3 S.T.Tr 6D-3 S.T.Tr 6D-4 S.T.Tr 6D-5 S.T.Tr 6D-5 S.T.Tr 6D-5	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 0 3 5 6 7 8 12	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 8 \\ 10 \\ 12 \\ 5 \\ 6 \\ 10 \\ 12 \\ 12 \\ 10 \\ 12 \\ 10 \\ 12 \\ 10 \\ 12 \\ 10 \\ 10$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.22 3.03 2.78	0.17 0.18 0.15 0.051 < 0.050 0.47 0.34 0.65 0.34 0.054 0.66 0.66 0.077 0.65 0.56 0.42 0.42 0.44 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.45 0.45 0.47 0.54 0.54 0.54 0.54 0.54 0.54 0.54 0.54 0.55 0	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.17 0.11 1.24 2.09 2.13 0.16 0.21 0.21 0.19	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.99 2.56 12.38 15.24 10.18 19.61 9.55 4.69 6.40 5.79 4.69 6.40 5.79 1.13 3.54 13.44 25.20	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51 6.96 5.05 3.30	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 1.0 4.75 0.95 1.27 0.13 1.1 0.33 0.23 0.23 0.23 1.95 0.97 1.18 0.087 1.18 0.087 1.18 0.087 0.97 1.18 0.087 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.95 0.97 0.95 0.97 0.95 0.97 0.95 0.97 0.95 0.97 0.97 0.97 0.97 0.95 0.97 0.95 0.97	55.80 59.96 61.76 73.82 72.27 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05 73.70 71.83 55.13 38.00 20.27 40.12 40.1	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.05 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 9.60 8.14 4.69	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.8 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9	1.99 1.48 0.63 3.28 <0.34 <0.34 <0.34 <0.34 1.63 1.07 1.06 3.27 3.38 3.02 2.78 8.2.49 0.72 <0.34 <0.34 <0.34 <0.34 1.36 2.03 2.62 1.04 1.81 0.34 0.34 1.67 0.34 1.67 0.34 1.67 0.34 1.67 0.34 1.67 0.34 1.67 0.34 1.67 0.34 1.67 0.34 1.67 0.72 1.68 1.69 1.67 1.69 1.67 1.69 1.67 1.69 1.67 1.67 1.67 1.69 1.67	7.30 8.68 6.59 2.56 3.52 8.01 8.8 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 11.60 12.39 2.32 4.40 13.06 21.42
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-6 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-6 S.T.Tr 06B-6 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06D-1 S.T.Tr 6D-1 S.T.Tr 6D-3 S.T.Tr 6D-4 S.T.Tr 6D-5 S.T.Tr 6D-7 S.T.Tr 6D-7	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 0 3 5 6 7 8 10 12	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 8 \\ 10 \\ 12 \\ 13 \\ \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.22 3.03 2.78	0.17 0.18 0.15 0.051 < 0.050 0.47 0.34 0.65 0.34 0.054 0.66 0.66 0.077 0.65 0.56 0.42 0.42 0.44 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.45 0.45 0.47 0.54 0.54 0.54 0.54 0.54 0.54 0.54 0.55	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.11 1.24 2.09 2.13 0.16 0.18 2.05 1.25 0.21 0.19 0.36 0.11 0.36 0.20 0.97	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.99 2.56 12.38 15.24 10.18 19.61 9.55 4.69 6.40 5.79 4.69 6.40 5.79 1.13 3.54 13.44 25.20 2.18 2.97 2.96 2.95	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.2 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51 6.96 5.05 3.30 5.74 4.05 5.72 4.49 3.65 5.55 4.555 4.55	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 10 4.75 0.95 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.475 1.27 0.95 1.27 0.13 1.27 0.13 1.27 0.13 0.23 0.23 1.95 0.97 1.88 0.087 1.95 0.087 1.05 0.087 1.05 0.084 0.068 0.	55.80 59.96 61.76 73.82 72.27 42.2 42.2 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05 73.70 71.83 55.13 38.00 63.55 71.89 71.89 71.99 71.83 71.99 71.83 71.83 71.99 73.70 71.83 71.99 71.83 71.99	11.16 8.58 9.64 10.14 9.80 10.96 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.05 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 9.60 8.14 4.69 12.24	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.88 0.99 1 5.86 8.11 9.55 0.79 0.61 9.86 4.89 0.35 0.65 1.84 0.49 0.49	1.99 1.48 0.63 3.28 <0.34 1.63 1.15 1.07 1.06 3.27 3.38 3.02 2.78 2.49 1.49 0.72 <0.34 <0.34 <0.34 <0.34 1.36 2.03 2.62 1.04 1.81 0.34 0	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 15.77 9.63 17.2 8.06 8.61 5.71 11.60 12.39 2.32 4.40 13.06 21.42 4.26 3.02
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T.Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-6 S.T.Tr 06A-6 S.T.Tr 06A-7 S.T.Tr 06B-1 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-6 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06D-1 S.T.Tr 6D-1 S.T.Tr 6D-3 S.T.Tr 6D-3 S.T.Tr 6D-4 S.T.Tr 6D-7 S.T.Tr 6D-7	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 0 3 5 6 7 8 10 12 13	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 8 \\ 10 \\ 12 \\ 13 \\ 15 \\ \end{array}$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.22 3.03 2.78 6.59 4.64 3.83	0.17 0.18 0.15 0.051 < 0.050 < 0.050 < 0.47 0.34 0.64 0.66 0.077 0.655 0.66 0.077 0.655 0.66 0.41 1.76 0.49 0.445 0.42 0.84 0.27 0.38 0.23 0.058 0.13 0.033 0.033 2.90 0.20 0.00 0.093	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.11 0.18 2.01 2.37 0.19 1.36 1.21 0.17 0.11 1.24 2.09 2.13 0.16 0.18 2.05 1.25 0.21 0.19 0.36 0.11 0.84 0.20 0.97	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.355 7.95 4.69 6.40 5.79 1.13 3.54 13.44 25.20 2.18 2.87 1.46	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.22 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 6.96 5.05 3.30 5.74 4.05 5.10	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 10 4.75 0.95 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.475 1.27 0.13 1.27 0.13 1.27 0.13 0.23 0.23 1.95 0.97 1.18 0.087 1.27 0.12 0.23 1.95 0.97 1.18 0.087 1.27 0.11 0.03 0.23 1.95 0.97 1.18 0.087 1.27 0.11 0.03 0.23 1.95 0.97 1.18 0.087 1.27 0.11 0.03 0.23 1.95 0.97 1.18 0.087 1.27 0.11 1.27 0.13 1.27 0.13 1.27 0.13 0.23 0.23 1.95 0.97 1.18 0.087 1.00 0.084 0.068	55.80 59.96 61.76 73.82 72.27 42.2 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05 73.70 71.83 55.13 38.00 63.55 71.88 74.50	11.16 8.58 9.64 10.14 9.80 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.05 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 9.60 8.14 4.69 12.24 9.98	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.88 0.99 1 5.86 8.11 9.55 0.79 0.61 9.86 4.89 0.35 0.65 1.84 0.49 2.75 0.40 0.44	1.99 1.48 0.63 3.28 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 11.60 12.39 2.32 4.40 13.06 21.42 4.26 3.02 2.48
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-7 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06D-1 S.T.Tr 6D-1 S.T.Tr 6D-2 S.T.Tr 6D-4 S.T.Tr 6D-6 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-10	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 0 3 5 6 7 8 10 12 13 8	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 8 \\ 10 \\ 12 \\ 13 \\ 15 \\ 10 \\ 10 \\ 11 \\ 15 \\ 10 \\ 10 \\ 10$	6.21 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.322 3.03 2.78 6.59 4.64 3.83 1.03	0.17 0.18 0.15 0.051 < 0.050 0.47 0.51 0.47 0.34 0.65 0.66 0.077 0.655 0.66 0.077 0.655 0.66 0.077 0.655 0.44 0.62 0.44 0.27 0.38 0.43 0.45 0.45 0.45 0.45 0.45 0.47 0.33 0.054 0.47 0.33 0.054 0.47 0.33 0.054 0.47 0.34 0.051 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.47 0.34 0.65 0.47 0.47 0.34 0.65 0.47 0.47 0.34 0.65 0.47 0.65 0.47 0.4	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 1.237 0.19 1.36 1.21 0.17 0.19 1.36 1.21 0.17 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 0.36 0.19 0.19 0.36 0.19 0.19 0.36 0.19 0.19 0.36 0.19 0.19 0.36 0.11 0.11 0.20 0.19 0.19 0.19 0.237 0.19 0.25 0.21 0.19 0.25 0.21 0.19 0.36 0.11 0.05 0.059 0.059	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.355 4.69 6.40 5.79 1.13 3.54 13.44 25.20 2.18 2.87 1.46 47.10	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.22 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51 6.96 5.05 3.30 5.74 4.05 5.10 0.95 5.10 0.95	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 10 4.75 0.95 1.27 0.13 1 0.33 0.23 0.12 0.23 1.95 0.97 1.18 0.087 1.17 0.13 0.23 0.23 1.95 0.97 1.18 0.087 1.27 0.13 0.23 0.23 1.95 0.97 1.18 0.087 0.11 0.084 0.028 0.066 0.084 0.27 0.11 0.066 0.066 0.066 0.066 0.266 0.266 0.266 0.266 0.266 0.266 0.266 0.266 0.266 0.266 0.266 0.266 0.266 0.266 0.266 0.266 0.276 0.277 0.13 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.247 0.13 0.23 0.23 0.23 0.977 1.18 0.087 0.097 0.13 0.23 0.23 0.23 0.23 0.247 0.097 0.13 0.23 0.23 0.247 0.13 0.23 0.23 0.25 0.097 0.13 0.28 0.067 0.066 0.	55.80 59.96 61.76 73.82 72.27 42.2 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05 73.70 71.83 55.13 38.00 63.55 71.88 74.50 9.92	11.16 8.58 9.64 10.14 9.80 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 5.75 11.36 16.14 15.52 8.05 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 9.60 8.14 4.69 12.24 9.98	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.88 0.99 1 5.86 8.11 9.55 0.79 0.61 9.86 4.89 0.35 0.79 0.61 9.86 4.89 0.35 0.79 0.61 9.86 4.89 0.35 0.79 0.61 9.86 4.89 0.35 0.79 0.61 9.86 4.89 0.35 0.79 0.61 9.86 4.89 0.35 0.79 0.61 9.86 4.89 0.35 0.79 0.61 9.86 4.89 0.35 0.79 0.61 9.86 4.89 0.35 0.65 1.84 0.44 0.38 0.44 0.35 0.65 1.84 0.49 0.35 0.65 1.84 0.49 0.35 0.65 1.84 0.49 0.44 0.44 0.27 1.85 0.65 1.84 0.49 0.44 0.49 0.44 0.65 1.84 0.49 0.65 1.84 0.49 0.55 1.84 0.49 0.55 1.84 0.49 0.65 1.84 0.49 0.65 1.84 0.49 0.65 1.84 0.49 0.65 1.84 0.49 0.65 1.84 0.49 0.65 1.84 0.49 0.65 1.84 0.49 0.44 0.49 0.44 0.49 0.44 0.49 0.44 0.49 0.44 0.49 0.44 0.49 0.44 0.49 0.44 0.44 0.44 0.49 0.44 0.49 0.44 0.49 0.44 0.44 0.44 0.49 0.44 0	1.99 1.48 0.63 3.28 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 14.41 15.77 9.63 17.2 11.1 7.82 8.06 8.61 5.71 11.60 12.39 2.32 4.40 13.06 21.42 4.26 3.02 2.48 36.91
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-7 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-7 S.T.Tr 06B-4 S.T.Tr 06B-7 S.T.Tr 06D-7 S.T.Tr 6D-10 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-10 S.T.Tr 6D-10 S.T.Tr 6D-10 S.T.Tr 6D-10 S.T.Tr 6D-10 S.T.Tr 6D-10 S.T.Tr 6D-10 S.T.Tr 6D-10 S.T.Tr 6D-10 S.T.Tr 6D-10 S.T.T.Tr 6D-10 S.T.T.TR-11	$ \begin{array}{r} 1 \\ 1.5 \\ 1.88 \\ 3.71 \\ 4.54 \\ 4.1 \\ 6 \\ 9 \\ $	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 8 \\ 10 \\ 12 \\ 13 \\ 15 \\ 10 \\ 2 \\ 2 \\ 13 \\ 15 \\ 10 \\ 2 \\ 2 \\ 1 \\ 10 \\ 2 \\ 1 \\ 10 \\ 2 \\ 1 \\ 10 \\ 2 \\ 1 \\ 10 \\ 2 \\ 1 \\ 1 \\ 10 \\ 2 \\ 1 \\ 1 \\ 1 \\ 10 \\ 2 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	6.21 2.87 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.22 3.03 2.78 6.59 4.64 3.83 1.03 9.37	0.17 0.18 0.15 0.051 < 0.050 < 0.057 0.47 0.34 0.65 0.66 0.077 0.65 0.66 0.077 0.65 0.65 0.41 1.76 0.49 0.44 0.49 0.44 0.27 0.38 0.23 0.058 0.13 0.038 0.23 0.054 0.47 0.47 0.47 0.54 0.55 0.56 0.47 0.51 0.47 0.34 0.65 0.47 0.54 0.65 0.47 0.54 0.65 0.47 0.54 0.65 0.47 0.54 0.65 0.47 0.54 0.65 0.47 0.54 0.65 0.47 0.54 0.65 0.47 0.54 0.65 0.47 0.65 0.47 0.65 0.47 0.65 0.56 0.47 0.65 0.47 0.65 0.47 0.65 0.47 0.65 0.47 0.65 0.47 0.65 0.47 0.49 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.42 0.45 0.42 0.42 0.45 0.42 0.45 0.42 0.42 0.45 0.42 0.45 0.42 0.43 0.44	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 1.36 1.21 0.19 1.36 0.11 0.18 2.05 1.25 0.21 0.19 0.36 0.20 0.20 0.20 0.20 1.22 0.20 0.20 0.20 0.20 0.20 0.19 0.23 0.19 0.19 0.19 0.19 0.20 0.19 0.19 0.20 0.19 0.19 0.20 0.19 0.19 0.20 0.20 0.19 0.20 0	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.355 4.69 6.40 5.79 1.13 3.54 13.44 25.20 2.18 2.87 1.46 47.10 5.53	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.22 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51 6.96 5.05 3.30 5.74 4.05 5.10 0.95 5.10 0.95 0.41	2.23 3.90 2.291 0.76 1.23 2.47 1.78 1.15 10 4.75 0.95 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.33 0.23 1.95 0.97 1.18 0.087 1.27 0.13 0.23 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 0.13 0.23 0.23 0.23 1.95 0.97 1.18 0.087 0.19 0.087 0.084 0.066	55.80 59.96 61.76 73.82 72.27 42.2 42.2 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05 73.70 71.83 35.513 38.00 63.55 71.88 74.50 9.92 46.98 74.50 9.92 46.98 74.50 9.92 46.98 74.50 9.92 74.50 9.92 74.50 75.50 75.	11.16 8.58 9.64 10.14 9.80 12.73 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 9.60 8.14 4.69 12.24 9.98	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.88 0.99 1 5.86 8.11 9.55 0.79 0.61 9.86 4.89 0.35 0.52 1.84 0.49 2.75 0.40 0.44 0.27 7.65	1.99 1.48 0.63 3.28 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 7.82 8.06 8.61 5.71 11.60 12.39 2.32 4.40 13.06 21.42 4.26 3.02 2.48 36.91
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-7 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06D-7 S.T.Tr 6D-10 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-10 S.T.Tr 8-2	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 0 3 5 6 7 8 10 12 13 8 0 2 4	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 10 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 10 \\ 12 \\ 13 \\ 15 \\ 10 \\ 2 \\ 4 \\ 6 \\ \end{array}$	6.21 2.87 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.22 3.03 2.78 6.59 4.64 3.83 1.03 9.37 14.13	0.17 0.18 0.15 0.051 < 0.050 < 0.057 0.47 0.34 0.65 0.66 0.077 0.655 0.66 0.077 0.655 0.66 0.077 0.655 0.41 1.76 0.49 0.44 0.27 0.38 0.23 0.038 0.23 0.054 0.41 1.76 0.49 0.45 0.45 0.47 0.47 0.33 0.054 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.47 0.34 0.65 0.47 0.47 0.34 0.65 0.47 0.47 0.34 0.65 0.47 0.47 0.47 0.47 0.47 0.47 0.47 0.47 0.47 0.47 0.47 0.47 0.54 0.65 0.47 0.47 0.47 0.47 0.47 0.65 0.47 0.48 0.41 0.47 0.48 0.27 0.38 0.290 0.200 0.13 0.093 1.39 0.16 0.22 0.200 0.100 0.47 0.49	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 0.36 0.19 0.37 0.19 1.36 1.21 0.19 0.37 0.19 0.36 0.19 0.37 0.19 0.37 0.19 0.37 0.19 0.37 0.19 0.37 0.19 0.36 0.19 0.37 0.19 0.37 0.19 0.36 0.19 0.37 0.19 0.36 0.19 0.36 0.19 0.36 0.19 0.19 0.36 0.19 0.19 0.36 0.19 0.19 0.36 0.19 0.19 0.36 0.19 0.19 0.36 0.11 0.11 0.12 0.19 0.36 0.11 0.11 0.12 0.20 0.20 0.19 0.36 0.11 0.19 0.23 0.19 0.21 0.19 0.25 0.21 0.19 0.25 0.21 0.19 0.25 0.21 0.19 0.25 0.21 0.19 0.25 0.21 0.19 0.36 0.21 0.19 0.38 0.21 0.19 0.38 0.21 0.19 0.38 0.21 0.19 0.38 0.21 0.19 0.28 0.21 0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.28 0.21 0.19 0.059 2.83	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.355 4.69 6.40 5.79 1.13 3.54 13.44 25.20 2.18 2.87 1.46 47.10 5.53 7.28	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.22 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51 6.96 5.05 3.30 5.74 4.05 5.10 0.95 5.10 0.95 0.41 1.07 4.27 1.94 1.95 1.72 1.94 1.95 1.95 1.16 1.95 1.16 1.95 1.16 1.95 1.16 1.95 1.16 1.95 1.16 1.95 1.16 1.95 1.16 1.95 1.16 1.95 1.16 1.95 1.16 1.05 1.16 1.05 1.16 1.05 1.16 1.05 1.10 1.05 1.10 1.05 1.10 1.05 1.10 1.05 1.10 1.05 1.10 1.05 1.10 1.05 1.10 1.05 1.10 1.05 1.10 1.05 1.10 1.05 1.10 1.07 1	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 10 4.75 0.95 1.27 0.13 1 0.33 0.23 1.95 0.97 1.18 0.087 1.27 0.13 0.23 0.23 1.95 0.97 1.18 0.087 1.27 0.13 0.23 0.23 1.95 0.97 1.18 0.087 1.27 0.13 0.23 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 1.27 0.13 1.27 0.13 1.27 0.13 0.23 0.23 0.23 0.23 0.23 0.97 1.18 0.087 0.97 1.18 0.087 0.97 1.18 0.087 0.97 1.18 0.087 0.97 1.18 0.087 0.97 1.18 0.087 0.97 1.18 0.087 0.97 1.18 0.087 0.097 1.18 0.087 0.097 0.13 0.23 0.23 0.97 0.13 0.23 0.23 0.97 0.13 0.23 0.23 0.97 0.13 0.23 0.23 0.97 0.13 0.23 0.23 0.97 0.13 0.23 0.028 0.066 0.066 0.066 0.064 0.066 0.06	55.80 59.96 61.76 73.82 72.27 42.2 42.2 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05 73.70 71.83 35.513 38.00 63.55 71.88 74.50 9.92 46.98 74.50 9.92 46.98 74.50 9.92 76.92 76.92 76.92 77.83 77.83 77.83 77.83 77.83 77.83 77.83 77.83 77.83 77.83 77.83 77.83 77.83 77.83 77.83 77.83 77.84 77.85 77.85 77.83 77.85 77.85 77.83 74.80 7	11.16 8.58 9.64 10.14 9.80 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 9.60 8.14 4.69 12.24 9.98	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.88 0.99 1 5.86 8.11 9.55 0.79 0.61 9.86 4.89 0.35 0.52 1.84 0.49 2.75 0.40 0.44 0.49 2.75 0.40 0.44 0.44 0.47 7.65 7.44 7.45 7.45 7.45 7.44 7.55 7.55 7.44 7.55 7	$\begin{array}{c} 1.99 \\ 1.48 \\ 0.63 \\ 3.28 \\ < 0.34 \\ \hline 1.63 \\ 1.15 \\ 1.07 \\ 1.06 \\ 3.27 \\ 3.38 \\ 3.02 \\ 2.78 \\ 2.49 \\ 1.49 \\ 0.72 \\ < 0.34 \\ < 0.34 \\ < 0.34 \\ < 0.34 \\ 1.67 \\ 0.34 \\ 1.67 \\ 0.34 \\ 0.34 \\ 1.67 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.34 \\ 0.57 \\ 0.37 \\ 0.37 \\ 0.37 \\ 0.37 \\ 0.37 \\ 0.37 \\ 0.37 \\ 0.38 \\ 0.34$	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 7.82 8.06 8.61 5.71 11.60 12.39 2.32 4.40 13.06 21.42 4.26 3.02 2.48 36.91 11.56 9.30 2.24
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-5 S.T.Tr 06A-7 S.T.Tr 06B-4 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-5 S.T.Tr 06B-6 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-7 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06D-7 S.T.Tr 6D-10 S.T.Tr 6D-7 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6B-8 S.T.Tr 8-2 S.T.Tr 8-3 S.T.Tr 8-3 S.T.Tr 8-3 S.T.Tr 8-3	$ \begin{array}{r} 1 \\ 1.5 \\ 1.88 \\ 3.71 \\ 4.54 \\ 4.1 \\ 6 \\ 9 \\ 11.5 \\ 13 \\ 13.35 \\ 15.95 \\ 17 \\ 0 \\ 1 \\ 1.9 \\ 2.36 \\ 4.5 \\ 9.9 \\ 10.7 \\ 11.5 \\ 18.25 \\ 19 \\ 0 \\ 3 \\ 5 \\ 6 \\ 7 \\ 8 \\ 10 \\ 12 \\ 13 \\ 8 \\ 0 \\ 2 \\ 4 \\ 6 \\ 6 \\ 6 \\ 7 \end{array} $	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 8 \\ 10 \\ 12 \\ 13 \\ 15 \\ 10 \\ 2 \\ 4 \\ 6 \\ 8 \\ \end{array}$	6.21 2.87 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.22 3.03 2.78 6.59 4.64 3.83 1.03 9.37 14.13 13.59 14.81	0.17 0.18 0.15 0.051 < 0.050 < 0.050 < 0.47 0.51 0.47 0.34 0.65 0.66 0.077 0.65 0.65 0.66 0.077 0.65 0.49 0.49 0.44 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.47 0.33 0.054 0.51 0.47 0.34 0.054 0.65 0.47 0.34 0.054 0.47 0.34 0.65 0.47 0.34 0.65 0.47 0.54 0.47 0.34 0.65 0.47 0.54 0.47 0.34 0.054 0.47 0.47 0.34 0.054 0.47 0.47 0.38 0.054 0.47 0.49 0.42 0.48 0.13 0.33 2.90 0.00 0.13 0.13 0.52 0.56 0.56 0.56 0.57 0.57 0.57 0.57 0.47 0.47 0.47 0.47 0.48 0.47 0.49 0.47 0.49 0.47 0.49 0.47 0.48 0.13 0.33 0.20 0.10 0.09 0.10 0.10 0.57 0.56 0.56 0.56 0.57	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 1.36 1.237 0.19 1.36 1.21 0.17 0.11 1.24 2.09 2.13 0.16 0.18 2.05 1.25 0.21 0.19 0.36 0.18 2.05 1.25 0.21 0.19 0.36 0.18 2.05 1.25 0.21 0.19 0.36 0.19 0.36 0.19 0.37 0.19 0.36 0.19 0.20 0.19 0.37 0.19 0.36 0.19 0.19 0.36 0.19 0.19 0.20 0.19 0.20 0.19 0.20 0.19 0.20 0.19 0.19 0.20 0.19 0.20 0.19 0.20 0.19 0.20 0.19 0.20 0.20 0.19 0.20 0.19 0.20 0.28 0.283 2.83 4.03 0.40 0.40 0.20	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.355 4.56 3.355 4.69 6.40 5.79 1.13 3.54 13.44 25.20 2.18 2.87 1.46 4.710 5.53 7.28 6.90 5.56	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.22 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51 6.96 5.55 4.51 5.51 6.96 5.55 3.30 5.74 4.05 5.10 0.95 5.10 0.95 0.41 1.07 1.87 3.91	2.23 3.90 2.291 0.76 1.23 2.47 1.78 1.15 10 4.75 0.95 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.33 0.23 1.95 0.97 1.18 0.087 1.27 0.13 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 0.12 0.23 1.95 0.97 1.18 0.087 0.087 0.087 0.087 0.087 0.087 0.066 0.084 0.27 0.111 0.066 0.066 0.068 0.066 0.06	55.80 59.96 61.76 73.82 72.27 42.2 42.2 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05 73.70 71.83 35.513 38.00 63.55 71.88 74.50 9.92 46.98 74.50 9.92 46.98 74.50 9.92 46.37 74.50 9.92 46.37 74.50 9.92 74.50 9.92 74.50 9.92 74.50 9.92 74.50 9.92 74.50 9.92 74.50 9.92 74.50 9.92 74.50 9.92 74.50 74.50 9.92 75.51 77.55 77.58	11.16 8.58 9.64 10.14 9.80 12.73 12.71 10.71 12.04 10.23 14.05 15.88 9.52 12.01 11.45 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 19.60 8.14 4.69 12.24 9.98 10.24 1.63 11.06 10.53 11.36	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.88 0.99 1 5.86 8.11 9.55 0.79 0.61 9.86 4.89 0.35 0.59 1.58 6.88 1.55 0.79 0.61 9.86 4.89 0.35 0.59 1.58 0.44 0.49 2.75 0.44 0.44 0.44 0.44 0.45 1.58 0.59 1.58 1	1.99 1.48 0.63 3.28 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 7.82 8.06 8.61 5.71 11.60 12.39 2.32 4.40 13.06 21.42 4.26 3.02 2.48 3.6.91 11.56 9.30 3.21
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-5 S.T.Tr 06A-6 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-6 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-8 S.T.Tr 06B-7 S.T.Tr 06D-7 S.T.Tr 06D-7 S.T.Tr 6D-10 S.T.Tr 6D-5 S.T.Tr 6D-7 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-10 S.T.Tr 8-1 S.T.Tr 8-3 S.T.Tr 8-3 S.T.Tr 8-4 S.T.Tr 8-5	1 1.5 1.88 3.71 4.54 4.1 6 9 11.5 13 13.35 15.95 17 0 1 1.9 2.36 4.5 9.9 10.7 11.5 18.25 19 0 3 5 6 7 8 10 12 13 8 0 2 4 6 8	$\begin{array}{c} 1.5 \\ \hline 1.88 \\ \hline 2.31 \\ \hline 4.54 \\ \hline 5.4 \\ \hline 4.85 \\ \hline 7 \\ \hline 10 \\ \hline 12.5 \\ \hline 13.35 \\ \hline 15 \\ \hline 16.75 \\ \hline 17.15 \\ \hline 1 \\ 1.4 \\ \hline 2.36 \\ \hline 4.5 \\ \hline 6 \\ \hline 10.7 \\ \hline 11.5 \\ \hline 11.7 \\ \hline 19 \\ \hline 20 \\ \hline 3 \\ 5 \\ \hline 6 \\ \hline 7 \\ \hline 8 \\ 8 \\ \hline 10 \\ \hline 12 \\ \hline 8 \\ \hline 10 \\ \hline 12 \\ \hline 13 \\ \hline 15 \\ \hline 10 \\ \hline 2 \\ \hline 4 \\ \hline 6 \\ \hline 8 \\ \hline 8 \\ \hline 9 \\ \end{array}$	6.21 2.87 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.22 3.03 2.78 6.59 4.64 3.83 1.03 9.37 14.13 13.59 14.81 9.56	0.17 0.18 0.15 0.051 < 0.050 < 0.050 < 0.47 0.51 0.47 0.51 0.47 0.51 0.47 0.54 0.65 0.054 0.077 0.65 0.054 0.077 0.65 0.054 0.049 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.47 0.33 0.054 0.51 0.47 0.51 0.51 0.47 0.51 0.47 0.34 0.65 0.47 0.54 0.55 0.56 0.47 0.55 0.56 0.47 0.55 0.56 0.47 0.55 0.56 0.47 0.65 0.56 0.47 0.65 0.56 0.47 0.65 0.56 0.47 0.65 0.56 0.47 0.65 0.47 0.65 0.47 0.65 0.47 0.65 0.47 0.65 0.47 0.65 0.56 0.47 0.47 0.65 0.56 0.47 0.47 0.65 0.56 0.47 0.45 0.47 0.45 0.47 0.45 0.47 0.45 0.47 0.45 0.47 0.45 0.47 0.45 0.47 0.45 0.47 0.45 0.47 0.45 0.47 0.45 0.47 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.45 0.49 0.57 0.58 0.53 0.50 0	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 1.36 1.237 0.19 1.36 1.21 0.17 0.11 1.24 2.09 2.13 0.16 0.18 2.05 1.25 0.21 0.19 0.36 0.11 0.45 1.25 0.21 0.19 0.36 0.18 2.05 1.25 0.21 0.19 0.36 0.19 0.38 0.45 0.20 0.97 0.45 0.97 0.98 0.97 0.98 0.98 0.98 0.97 0.98 0.97 0.98 0.97	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.35 7.95 4.69 6.40 5.79 1.13 3.54 13.44 25.20 2.18 2.87 1.46 4.710 5.53 7.28 6.90 5.56 3.95	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.22 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51 6.96 5.05 3.30 5.74 4.05 5.10 0.95 0.05 5.10 0.95 0.05 5.10 5.10 5	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 10 4.75 0.95 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 0.23 0.23 1.95 0.97 1.18 0.087 1.95 0.97 1.18 0.087 1.95 0.97 1.18 0.084 0.026 0.066 0.064 0.066 0	b5.80 59.96 61.76 73.82 72.27 42.2 42.2 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 42.74 44.08 64.26 68.77 41.14 50.05 71.83 55.13 38.00 63.55 71.88 74.50 9.92 46.98 45.37 46.24 43.01 55.76	11.16 8.58 9.64 10.14 9.80 12.73 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.05 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 9.60 8.14 4.69 12.24 9.98 10.24 1.63 11.06 10.53 11.06 10.53 13.96 12.04	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.88 0.99 1 5.86 8.11 9.55 0.79 0.61 9.86 4.89 0.35 0.79 0.61 9.86 4.89 0.35 0.79 0.65 1.84 0.49 2.75 0.40 0.44 0.27 7.65 7.44 4.72 3.80	1.99 1.48 0.63 3.28 <0.34	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 7.82 8.06 8.61 5.71 11.60 12.39 2.32 4.40 13.06 21.42 4.26 3.02 2.48 3.6.91 11.56 9.30 3.21 5.83 4.42
S.T Tr 05-02 S.T Tr 05-03 S.T Tr 05-04 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 05-06 S.T Tr 06A-1 S.T.Tr 06A-2 S.T.Tr 06A-3 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-4 S.T.Tr 06A-5 S.T.Tr 06A-6 S.T.Tr 06B-1 S.T.Tr 06B-3 S.T.Tr 06B-3 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-4 S.T.Tr 06B-6 S.T.Tr 06B-6 S.T.Tr 06B-7 S.T.Tr 06B-8 S.T.Tr 06B-7 S.T.Tr 06B-8 S.T.Tr 06B-7 S.T.Tr 06D-7 S.T.Tr 06D-7 S.T.Tr 06D-10 S.T.Tr 6D-10 S.T.Tr 6D-10 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6D-9 S.T.Tr 6A-8 S.T.Tr 8-4 S.T.Tr 8-4 S.T.Tr 8-5 S.T.Tr 8-6	$ \begin{array}{r} 1 \\ 1.5 \\ 1.88 \\ 3.71 \\ 4.54 \\ 4.1 \\ 6 \\ 9 \\ 11.5 \\ 13 \\ 13.35 \\ 15.95 \\ 17 \\ 0 \\ 1 \\ 1.9 \\ 2.36 \\ 4.5 \\ 9.9 \\ 10.7 \\ 11.5 \\ 18.25 \\ 19 \\ 0 \\ 3 \\ 5 \\ 6 \\ 7 \\ 8 \\ 10 \\ 12 \\ 13 \\ 8 \\ 0 \\ 2 \\ 4 \\ 6 \\ 8 \\ 9 \\ 9 \\ 9 \\ 10 \\ 2 \\ 4 \\ 6 \\ 8 \\ 9 \\ 9 \\ 9 \\ 10 \\ 12 \\ 13 \\ 8 \\ 8 \\ 9 \\ 9 \\ 9 \\ 10 \\ 7 \\ 8 \\ 8 \\ 9 \\ 9 \\ 9 \\ 10 \\ 12 \\ 13 \\ 8 \\ 8 \\ 9 \\ 9 \\ 9 \\ 10 \\ 12 \\ 13 \\ 8 \\ 8 \\ 9 \\ 9 \\ 9 \\ 10 \\ 12 \\ 13 \\ 8 \\ 8 \\ 9 \\ 9 \\ 10 \\ 12 \\ 13 \\ 8 \\ 8 \\ 9 \\ 9 \\ 10 \\ 12 \\ 13 \\ 8 \\ 8 \\ 9 \\ 9 \\ 10 \\ 12 \\ 13 \\ 13 \\ 13 \\ 10 \\ 12 \\ 13 \\ 13 \\ 8 \\ 9 \\ 9 \\ 10 \\ 12 \\ 13 \\ 13 \\ 13 \\ 10 \\ 12 \\ 13 \\ 13 \\ 13 \\ 10 \\ 12 \\ 13 \\ 13 \\ 13 \\ 13 \\ 13 \\ 13 \\ 13 \\ 10 \\ 11 \\ 13 \\ 13 \\ 10 \\ 12 \\ 13 \\ 13 \\ 13 \\ 10 \\ 12 \\ 13 \\ 13 \\ 13 \\ 10 \\ $	$\begin{array}{c} 1.5 \\ 1.88 \\ 2.31 \\ 4.54 \\ 5.4 \\ 4.85 \\ 7 \\ 10 \\ 12.5 \\ 13.35 \\ 15 \\ 16.75 \\ 17.15 \\ 1 \\ 1.4 \\ 2.36 \\ 4.5 \\ 6 \\ 10.7 \\ 11.5 \\ 11.7 \\ 19 \\ 20 \\ 3 \\ 5 \\ 6 \\ 7 \\ 10 \\ 12 \\ 13 \\ 15 \\ 10 \\ 12 \\ 13 \\ 15 \\ 10 \\ 2 \\ 4 \\ 6 \\ 8 \\ 9 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 $	6.21 2.87 2.87 4.17 3.04 2.90 8.68 11.26 10.35 7.83 7.19 2.72 10.07 10.75 2.81 9.2 8.05 2.92 2.31 7.55 9.99 8.63 2.51 2.81 7.49 6.76 4.33 3.222 3.03 2.78 6.59 4.64 3.83 1.03 9.37 14.13 13.59 14.81 9.56 3.46	0.17 0.18 0.15 0.051 < 0.050 0.47 0.51 0.47 0.34 0.33 0.054 0.66 0.06 0.077 0.65 0.56 0.41 1.76 0.49 0.45 0.42 0.48 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.45 0.45 0.47 0.51 0.56 0.47 0.51 0.47 0.54 0.55 0.56 0.47 0.55 0.56 0.47 0.55 0.56 0.47 0.55 0.56 0.47 0.55 0.56 0.47 0.55 0.56 0.47 0.55 0.56 0.47 0.65 0.47 0.65 0.47 0.65 0.56 0.47 0.65 0.47 0.65 0.56 0.47 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.45 0.42 0.58 0.59 0.58 0.59 0.22 0.20 0.20 0.22 0.50 0.52 0.52 0.58 0.58 0.52 0.58 0.52 0.58 0.52 0.58 0.52 0.59 0.59 0.58 0.58 0.52 0.59 0.59 0.59 0.58 0.59 0.59 0.59 0.59 0.58 0.58 0.52 0.59	0.77 0.26 0.45 0.20 0.19 0.97 1.44 1.45 1.35 1.1 0.18 2.01 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 1.36 1.21 0.19 0.36 0.11 0.20 0.20 0.97 0.19 0.19 0.11 0.17 0.11 0.12 0.21 0.97 0.21 0.97 0.21 0.97 0.21 0.97 0	5.77 8.11 4.93 1.21 2.03 2.96 2.88 3.97 8.94 1.55 2.06 3.41 1.9 2.56 12.38 15.24 10.18 19.61 9.55 4.56 3.35 7.95 4.69 6.40 5.79 1.13 3.54 13.44 25.20 2.18 2.87 1.46 4.7.10 5.53 7.28 6.90 5.56 3.95 1.27	4.33 4.48 5.92 4.39 4.31 3.74 3.33 3.81 2.69 3.15 4.22 1.94 2.42 4.21 3.66 4.77 5.72 4.49 3.86 4.21 3.55 5.16 4.86 5.55 4.51 5.51 6.96 5.05 3.30 5.74 4.09 5.74 4.09 3.80 5.74 4.00 5.70 5.72 5.72 5.72 5.74 5.74 5.70 5.72 5.74 5.70 5.72 5.72 5.74 5.74 5.70 5.74 5.70 5.74 5.70 5.74 5.70 5.74 5.70 5.70 5.72 5.72 5.72 5.74 5.70 5.74 5.70 5.74 5.70 5.70 5.70 5.74 5.70 5.70 5.70 5.70 5.70 5.74 5.70	2.23 3.90 2.91 0.76 1.23 2.47 1.78 1.15 10 4.75 0.95 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.33 0.23 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 1.27 0.13 0.23 1.95 0.97 1.18 0.087 0.97 1.18 0.087 0.97 1.18 0.087 0.97 1.18 0.084 0.025 0.066 0.066 0.068 0.066 0.056 0.056 0.056 0.056 0.057 0.056 0.056 0.056 0.056 0.056	b5.80 59.96 61.76 73.82 72.27 42.2 42.2 42.12 32.9 56.68 72.4 46.82 45.83 71.58 36.78 34.82 61.68 47.46 45.02 45.02 42.74 44.08 64.26 68.77 41.14 50.05 73.70 71.83 55.13 38.00 63.55 71.88 74.50 9.92 46.98 45.37 46.24 43.01 55.76 75.81	11.16 8.58 9.64 10.14 9.80 12.73 12.73 12.71 10.71 12.04 10.23 14.05 15.8 9.52 12.01 11.45 8.65 5.75 11.36 16.14 15.52 8.66 9.29 15.14 12.93 10.71 1.36 16.14 12.93 10.71 1.36 16.14 12.93 10.71 1.36 16.14 12.93 10.71 1.36 1.52 8.60 9.29 1.5.14 1.2.93 10.71 1.3.60 8.14 1.2.93 10.71 1.2.4 9.52 1.5.24 1.2.4 1.5.52 1.5.55 1.5.5	3.93 1.45 2.69 0.53 0.52 7.85 12.73 12.97 8.01 4.64 0.38 9.33 9.94 0.68 7.36 6.8 8.1 9.52 0.79 0.61 9.86 4.89 0.35 0.79 0.61 9.86 4.89 0.35 1.84 0.49 2.75 0.40 0.44 0.27 7.65 1.84 0.44 0.27 7.65 1.84 0.49 0.27 7.65 1.84 0.49 0.27 7.65 1.84 0.49 0.27 1.85 1.84 0.49 0.33 1.84 0.49 0.35 1.84 0.49 0.35 1.84 0.49 0.35 1.84 0.49 0.35 1.84 0.49 0.35 1.84 0.49 0.275 1.84 0.49 0.275 1.84 0.49 0.275 1.84 0.49 0.275 1.84 0.49 0.275 1.84 0.28 1.84 0.27 1.84 0.28 1.84 0.27 1.84 0.49 0.35 1.84 0.27 1.84 0.49 1.84 1	$\begin{array}{r} 1.99 \\ 1.48 \\ 0.63 \\ 3.28 \\ < 0.34 \\ \hline 1.63 \\ 1.15 \\ 1.07 \\ 1.06 \\ 3.27 \\ 3.38 \\ 3.02 \\ 2.78 \\ 2.49 \\ 1.49 \\ 0.72 \\ < 0.34 \\ < 0.34 \\ < 0.34 \\ < 0.34 \\ \hline 1.36 \\ 2.03 \\ 2.62 \\ 1.04 \\ 1.81 \\ 0.34 \\ 0.34 \\ \hline 1.67 \\ 0.34 \\ $	7.30 8.68 6.59 2.56 3.52 8.01 8.88 8.87 15.14 4.75 3.33 6.77 6.68 4.76 14.41 15.77 9.63 17.2 11.1 7.82 8.06 8.61 5.71 11.60 12.39 2.32 4.40 13.06 21.42 4.26 3.02 2.48 3.6.91 11.56 9.30 3.21 5.83 4.42 1.42

8.2.4 XRD Results

			Phas			
Sample ID	From	То	Major	Minor	Trace	Uncertainty (if required)
Tr0l-S1	1	1.33	Quartz, Feldspar(Albite, Microcline, Orthoclase)	-	Hematite	NA
Tr01-S2	3	4	Quartz, Feldspar(Albite, Microcline)	-	Hematite, Clay	NA
Tr0l-S3	4	5	Quartz, Feldspar(Albite, Microcline, Orthoclase)	-	Hematite, Clay	NA
Tr01-S4	5	5.63	Quartz, Feldspar(Albite, Microcline, Orthoclase)	-	Hematite, Clay	NA
Tr01-S5	5.63	6.1	Quartz, Feldspar(Albite, Microcline, Orthoclase)	-	Hematite	NA
Tr0l-S6	6.1	7	Quartz, Feldspar(Albite, Microcline, Orthoclase)	-	Clay	NA
Tr0l-S7	8.33	8.56	Quartz, Feldspar(Albite, Microcline, Orthoclase)	-	Clay	NA
T03-S1	4	5	Quartz, Feldspar(Albite, Microcline)	-	-	NA
T03-S2	5	6	Quartz, Feldspar(Albite, Microcline, Orthoclase)	-	Hematite	NA
T03-S3	6	7	Quartz, Feldspar(Albite, Microcline, Orthoclase)	-	Gypsum, Hematite	NA
ST-S01	-	-	This sample is amorphous			NA
ST-S02	-	-	Feldspar(Microcline, Orthoclase), Hematite, Augite, Faujasite	Chlorite, calcite	-	NA
A03-S1	-	-	Quartz, Feldspar(Albite, Microcline, Orthoclase)	-	Muscovite	NA
A03-S2	-	-	Quartz, Feldspar(Albite, Microcline)		Muscovite	NA
A03-S3	-	-	Quartz	Feldspar(Albi te, Microcline, Orthoclase)	Muscovite	NA
ST.Tr6- 10	-	-	Calcite		Quartz	NA
ST.BH3- 5	-	-	Quartz, Feldspar(Albite, Microcline)		Hematite	NA
ST.Tr8-4	-	-	Anorthite, Feldspar(Albite, Microcline)	Augite	Quartz, Hematite	NA
ST.Tr8-6	-	-	Feldspar(Albite, Microcline), Quartz		Gypsum, Hematite	NA