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Assessment of Training Noise Impacts on the Red-cockaded Woodpecker: 2000 Results

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Executive Summary

This report is submitted as partial fulfillment of the terms of the Strategic Environmental Research and Development Program (SERDP) funded project CS-1083. The purpose of this research is to assess the effects of military training noise on the endangered Red-cockaded Woodpecker (RCW) and to develop assessment methodology. The results of this research will provide a scientific basis for RCW management protocols, and will partially satisfy requirements of a 1996 U.S. Fish and Wildlife Service (USFWS) biological opinion that requires the Army to assess effects of implementing the 1996 "Management Guidelines for the RCW on Army Installations." These new guidelines will significantly reduce restrictions on training for Army installations on which RCWs are present. These Army installations include: Fort Stewart, GA; Fort Bragg, NC; Fort Benning, GA; Fort Polk, LA; Fort Gordon, GA; Fort Jackson, SC; Camp Mackell, NC; MOT (Military Ocean Terminal) Sunny Point, NC; and Peason Ridge, LA. This research is being conducted jointly by the U.S. Army Construction Engineering Research Laboratory (CERL), an element of the U.S. Army Engineer Research and Development Center (ERDC); Fort Stewart, and the U.S. Army Forces Command (FORSCOM). The project was developed by CERL in coordination with FORSCOM, the USFWS RCW Recovery Coordinator and Region 4 office, the Fort Stewart Directorate of Training, the Fort Stewart Directorate of Public Works (DPW) Fish and Wildlife Branch, and the Army Threatened and Endangered Species (TES) User Group.

During this third year of the study, we experimentally tested RCW response to controlled military training noise events under realistic conditions, namely .50-caliber blank fire and artillery simulators. We measured both proximate response behavior and nesting success, while continuing to measure baseline behavioral data from undisturbed RCW groups. Measured levels of experimental noise did not affect RCW nesting success or productivity. RCW flush response was shown to increase as stimulus distance decreased, regardless of stimulus type. Woodpeckers returned to their nests relatively quickly after being flushed, with return times being comparable to rates observed in 1999. Noise levels within RCW nest cavities were substantially louder than levels recorded at the base of the tree due to a possible Helmholtz resonating effect. It is important to note that the data analyzed to this point are insufficient to confirm statistical power to make strong conclusions or to establish reliable noise dose-response relationships or thresholds. The final report for this study, scheduled to be out by December 2001, will cover all three years of data and will provide definitive conclusions on military noise effects on RCWs. The data analyzed to this point are sufficient to confirm that the project technical approach was appropriate and that the research objectives will be achieved.

Foreword

This study was conducted for the Strategic Environmental Research and Development Program (SERDP) under an FY98 Conservation Project, No. CS-1083, "Assessment of Training Noise Impacts on the Red-cockaded Woodpecker." The technical monitor was Dr. Robert Holst.

The work was performed by the Ecological Processes Branch (CN-N) of the Installations Division (CN), Construction Engineering Research Laboratory (CERL) in cooperation with David Delaney at Jones Technologies, Inc. The CERL Principal Investigator was Dr. Larry L. Pater. The technical editor was Vicki A. Reinhart. Steve Hodapp is Chief, CEERD-CN-N, and Dr. John T. Bandy is Chief, CEERD-CN. The Acting Director of CERL is Dr. Alan W. Moore.

CERL is an element of the U.S. Army Engineer Research and Development Center (ERDC), U.S. Army Corps of Engineers. The Director of ERDC is James R. Houston and the Deputy to the Commander is A.J. Roberto, Jr.

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1 Introduction

Background

The Endangered Species Act requires that all Federal agencies carry out programs to conserve threatened and endangered species (TES) and to evaluate the impacts of Federal activities on listed species (Scott et al. 1994). TES management on military installations, particularly that involving the Red-cockaded Woodpecker (RCW), has raised questions about the interaction between Army training and the conservation of Red-cockaded Woodpeckers on military lands. The goal of RCW management on Fort Stewart is to recover the population while eliminating conflicts with the training mission by eliminating the need for training restrictions (Fort Stewart Endangered Species Management Planning [ESMP] Team 1998). A brief summary of legal requirements is presented in Appendix A. Because noise management has traditionally focused on minimizing human annoyance, loud activities have often been relocated to sparsely populated areas where wildlife resides. This has led to increased interactions between military activity and wildlife (Holland 1991). Increasing importance has been placed on determining the extent of noise impacts on wildlife (Bowles 1995), especially threatened and endangered species (Delaney et al. 1999, 2000; Pater et al. 1999).

The Red-cockaded Woodpecker (*Picoides borealis*) is an endangered species that inhabits mature, open pine forests of the southeastern United States (Figure 1; Jackson 1994). Historically, RCW populations were distributed throughout the South from eastern Texas to the Atlantic coast, and north to New Jersey (Jackson 1987). The distribution has been reduced with the extirpation of RCWs from New Jersey (Lawrence 1867), Missouri (Cunningham 1946 as cited in Jackson 1987), and most recently Maryland (Devlin et al. 1980). The majority of RCWs are currently restricted to public lands, namely National Forests, military installations, and National Wildlife Refuges (Jackson 1978, Lennartz et al. 1983). Military installations, in particular, are gaining recognition as a valuable resource in the recovery of TES (Jordan et al. 1995). It has been estimated that nearly a quarter of the remaining RCWs are located on 16 military installations in the southeastern United States (Costa 1992; U.S. Fish and Wildlife Service 2000), which includes the Fort Stewart population. Such a close association has led to increased conflicts between TES conservation requirements and the mili-

tary's mission of maintaining a high degree of combat readiness (Jordan et al. 1995).

In 1984 the Army initially established a 200 ft (61 m) buffer zone around all RCW cavity trees to protect nesting habitat and identify RCW management units. In 1996, the Department of the Army (DA) issued revised guidelines for the management of RCWs on military lands, to reduce training restrictions, and increase adaptive management of the RCW and its habitat. Under the revised guidelines, certain transient military activities are permitted within 50 ft (15 m) of RCW cavity trees. These include: (1) military vehicle and personnel travel, including armor; (2) .50-caliber machine gun blank fire and 7.62-mm blank fire and below; (3) artillery/hand grenade simulators and Hoffman type devices; (4) hand digging of hasty individual fighting positions; (5) use of smoke grenades and star cluster/parachute flares; and (6) smoke and haze operation (see Hayden 1997 for a more detailed description of past and current Army guidelines for RCWs). A 1996 USFWS biological opinion requires the Army to assess effects due to implementing the 1996 guidelines (Jordan et al. 1997). The current noise project will provide an important aspect of this required assessment.

Figure 1. Adult Red-cockaded Woodpecker delivering prey to the nest.

The Fort Stewart Fish and Wildlife Branch prepared a draft Endangered Species Management Plan (Fort Stewart ESMP Team 1998) for the installation that detailed changes under these revised guidelines: (1) consideration will be given jointly to training mission requirements and RCW biological requirements when implementing ESMP; (2) reduction in off-limit area for thru-cluster maneuver traffic around cluster trees from 200 ft (61 m) to 50 ft (15 m); and (3) the types of

training activities allowed within RCW clusters will be expanded. Fort Stewart is scheduled to complete their ESMP by 2001.

Objectives

The primary research objective of this multiyear study is to determine the impact of certain types of training noise on the endangered Red-cockaded Woodpecker. This will require that we develop dose-response threshold relationships for quantifying RCW responses to noise levels and stimulus distances, and relate these to nesting success. A second objective is to develop and disseminate cost-effective techniques for documenting the effects of training noise on TES populations. These techniques include the capability to characterize noise stimuli, to document behavioral responses, and to determine resulting population effects due to military noise. Achieving these objectives will provide a means to manage impact on both military training capability and TES, and will provide a factual basis for mitigation and management protocols and guidelines. This research directly addresses the #1 Army Conservation Pillar User Requirement, which is concerned with impacts of military operations on threatened and endangered species. The results of this research will partially satisfy requirements of the 1996 USFWS biological opinion (Jordan et al. 1997) that requires the Army to assess effects due to implementing the 1996 "Management Guidelines for the RCW on Army Installations."

Approach

Chapter 3 presents details of the technical approach used in this research. The chapter includes discussions of the study area, RCW group selection, impact measures, response protocols, nesting success, video surveillance, sound instrumentation and recording, sound metrics, and statistical analysis.

Scope

All aspects of the research plan were reviewed and approved by the USFWS and Fort Stewart before monitoring activity began. Results from this research apply directly to Fort Stewart, but may be applicable to other installations in the southeastern United States where RCWs are exposed to similar noise. This study used population data collected at Fort Stewart under a Forces Command (FORSCOM) program. Specific evaluation of impact of maneuver training activities was conducted under a separate coordinated research effort. Training noise

sources examined during this study include artillery simulators, .50-caliber blank fire, large-caliber live fire, small-arms live fire, grenade simulators, and helicopters. RCW response to other military activity, such as vehicle noise associated with maneuver training, aircraft overflights, Multiple Launch Rocket System (MLRS) fire, and Stinger/Drone Missile fire, was documented opportunistically, but is not as high a priority in this study.

Mode of Technology Transfer

Products of this research will be provided directly to the Military Services for use during consultation with the USFWS and for development of management protocols. This aspect of the transition plan will directly help to alleviate impacts on military training capability and will provide information to the military that will guide effective management of impacts on endangered species populations. Other technology transfer methods will include technical papers and journal articles and TES and noise workshops. The information will also be disseminated through the Environmental Noise Program of the U.S. Army Center for Health Promotion and Preventive Medicine, the Army TES User Group, and the U.S. Air Force (USAF) International Bibliography on Noise (IBON). Other forums for dissemination include the U.S. Air Force/U.S. Army International Committee on Challenges of Modern Society (CCMS) subcommittees on noise effects, the International Committee on the Biological Effects of Noise (ICBEN), the Acoustical Society of America Animal Bioacoustics technical committee, and the Department of Defense (DoD) Noise Working Group.

2 Literature Review

Noise disturbance studies have often been anecdotal and fail to quantitatively measure either the stimulus or the behavioral response related to the animal's fitness. Predictive models for the relationship between disturbance dosage and quantifiable effects are even more scarce (Awbrey and Bowles 1990; Grubb and King 1991; Grubb and Bowerman 1997). Although many types of human disturbance have been reported as affecting birds (Fyfe and Olendorff 1976), very little research has addressed the effects of human activity on woodpeckers, especially the endangered RCW (Charbonneau et al. 1983; Jackson 1983; Beaty 1986; Jackson and Parris 1995; The Nature Conservancy [TNC] 1996; Pater et al. 1999; Delaney et al. 2000).

Few researchers have directly compared differences in bird responsiveness between aerial and ground-based disturbances (Bowles et al. 1990). Studies that have examined the effects of aircraft activity on nesting birds (e.g., Platt 1977; Windsor 1977; Ellis 1981; Anderson et al. 1989) have often noted a slight but insignificant decrease in nesting success and productivity for disturbed versus undisturbed nests. Anderson et al. (1989) noted a slight decline in the nesting success of experimental Red-tailed Hawk (*Buteo jamaicensis*) nests versus control nests (80 percent experimental versus 86 percent control success) after helicopter disturbances.

In contrast, ground-based disturbances appear to have a greater effect than aerial disturbances on the nesting success of some bird species. In their classification tree model of Bald Eagle (*Haliaeetus leucocephalus*) responses to various anthropogenic disturbances, Grubb and King (1991) determined that Bald Eagles in Arizona showed the highest response frequency and severity of response toward ground-based disturbances, followed by aquatic, and lastly by aerial disturbances. Delaney et al. (1999) reported similar findings for Mexican Spotted Owl (*Strix occidentalis lucida*) response to military helicopter activity and chain saws, observing that chain saws elicited a greater flush response rate than helicopters at comparable distances and noise levels.

A bird's behavior during the nesting season is an important determinant of its ultimate nesting success or failure (Hohman 1986). Various bird species have been reported to abandon their nests after being exposed to ground-based and aerial disturbances. White and Thurow (1985) reported that approximately 30

percent of Ferruginous Hawks (*Buteo regalis*) abandoned their nests after being exposed to various ground-based disturbances, but there were no controls for comparison. Anderson et al. (1989) reported that 2 of 29 Red-tailed Hawk nests were abandoned after being flushed by helicopter flights, compared with 0 of 12 control nests. Ellis et al. (1991) found only 1 of 19 Prairie Falcon (*Falco mexicanus*) nests were abandoned when exposed to frequent low-altitude jet flights during the nesting season (no control sites used). Platt (1977) reported similar rates with only 1 of 11 Gyrfalcon (*F. rusticolus*) nests failing (reportedly due to snow damage), compared with 0 of 12 control nests. Of the 6 Peregrine Falcon (*F. Peregrinus*) nests exposed to helicopter flights, only 1 was abandoned (also apparently due to inclement weather) compared with 0 of 3 control sites (Windsor 1977).

Birds may be more susceptible to disturbance-caused nest abandonment early in the nesting season, possibly because parents have less energy invested in the nesting process (Knight and Temple 1986). Some animals appear reluctant to leave the nest later in the nesting season (Anderson et al. 1989; Ellis et al. 1991; Delaney et al. 1999). Steenhof and Kochert (1982) reported that Golden Eagles (*Aquila chrysaetos*) and Red-tailed Hawks exposed to human intrusions during early incubation had significantly lower nesting success than individuals exposed later in the season (45 percent success for Golden Eagles and 57 percent for Red-tailed Hawks within experimental groups versus 71 percent and 74 percent success with control groups, respectively). Although reactions of adult birds at the nest can influence hatching rates and fledgling success (Windsor 1977), flush behavior of adult birds from the nest is poorly quantified (Fraser et al. 1985; Holthuijzen et al. 1990; Delaney et al. 1999). In the few studies that have examined bird responses to specific disturbance types (e.g., aircraft approach distance), flush rates were higher if birds were naive (i.e., not previously exposed; Platt 1977). Some birds are more reluctant to flush off the nest during incubation and early nestling phases than later in the season (Grubb and Bowerman 1997; Delaney et al. 1999). Animal responsiveness has been shown to increase as the nesting season progresses (Grubb and Bowerman 1997). Delaney et al. (1999) found that Mexican Spotted Owls were more responsive to helicopters later in the reproductive cycle, which suggests that adult defensive behavior may decrease as the young mature. In contrast, Holthuijzen et al. (1990) found Prairie Falcon responsiveness to nearby blasting activity decreased as the nesting season progressed.

Few studies have documented the threshold distance that causes birds to flush in response to noise disturbance events. In those studies that reported stimulus distance, it was rare for birds to flush when the stimulus distance was greater than 60 m (Carrier and Melquist 1976; Edwards et al. 1979; Craig and Craig

1984; Delaney et al. 1999, 2000; Pater et al. 1999). Similar findings were reported by Carrier and Melquist (1976) for Osprey (*Pandion haliaetus*), and Ellis (1981) for Peregrine Falcons. Many disturbance study reports imply that animal response increases with decreasing stimulus distance (Platt 1977; Grubb and King 1991; McGarigal et al. 1991; Stalmaster and Kaiser 1997), though only a few studies have experimentally tested this relationship (Delaney et al. 1999, 2000; Pater et al. 1999). Delaney et al. (1999) found that the proportion of owls flushing in response to a disturbance was strongly and negatively related to stimulus distance and positively related to noise level. Spotted owls were not observed flushing when noise stimuli were > 105 m from owl locations. Delaney et al. (2000) and Pater et al. (1999) found similar results when RCW were exposed to passive and experimental military training noise. Red-cockaded Woodpeckers did not flush from the nest when: artillery simulator blasts were > 244 m from nests; military helicopters were > 60 m; small-caliber live fire was > 400 m; large caliber live fire was > 700 m; and when grenade simulators were > 200 m. Delaney et al. (2000) also tested .50-caliber blank fire events and found that RCWs flushed only 1 in 9 noise events at 122 m. They were not able to test at distances > 122 for that specific RCW group before the young were too old and therefore, adults were not as actively attending the nest.

Even fewer examples are available for noise response thresholds. Snyder et al. (1978) reported that Snail Kites (*Rostrhamus sociabilis*) did not flush even when noise levels were up to 105 decibels, A-weighted (dBA) from commercial jet traffic. This result was qualified by the fact that test birds were living near airports and may have habituated to the noise. Edwards et al. (1979) found a dose-response relationship for flush responses of several species of gallinaceous birds when approach distances were between 30 and 60 m and noise levels approximated 95 dBA. Delaney et al. (1999) reported that Mexican Spotted Owls did not flush during the nesting season when the sound exposure level (SEL) for helicopters was ≤ 92 dBA and the Equivalent Average Sound Level (LEQ) for chain saws was ≤ 46 dBA. Noise response thresholds were fairly comparable with data from the nonnesting season (SEL of 92 dBA for helicopters and LEQ of 51 dBA for chain saws). Delaney et al. (2000) and Pater et al. (1999) developed noise response thresholds for RCWs based on a number of military noise sources. Pater et al. (1999) and Delaney et al. (2000) reported that woodpeckers did not flush during the nesting season when the sound exposure level (SEL) for artillery simulators was < 84 dBA (89 dB, unweighted); .50-caliber blank fire was < 72 dBA (82 dB, unweighted); military helicopter overflights were < 85 dBA (102 dB, unweighted); small-caliber live fire events were < 77 dBA (79 dB, unweighted); large caliber live fire events were < 85 dBA (103 dB, unweighted); and grenade simulators were < 84 dBA (91 dB, unweighted).

Distance has been described as the most commonly used surrogate for noise disturbance in the literature on animal response to noise, and has been proposed to be the best representative for quantifying the relationship between stimulus and response measures (Awbrey and Bowles 1990). The reason appears to be that distance is more conveniently implemented into management practices (i.e., establishing buffer zones) than other variables. However, use of a properly measured noise level as the stimulus measure facilitates broader application of response results, in particular to sources of similar aural character but different acoustic power emission.

3 Technical Approach

Null Hypotheses

Data collection, summary, and statistical analyses to assess and characterize military training noise in RCW groups, and to evaluate the relationship between noise levels and RCW demographic data, are based on the following formal null hypotheses:

- Ho: There is no difference in the nesting success, productivity, or nesting behavior between disturbed and undisturbed RCW groups.
- Ho: There is no relationship between stimulus distance or noise level and RCW response behavior.
- Ho: There is no difference in RCW response between types of training activities.

Study Area

Fort Stewart is located in southeast Georgia (Figure 2), within Liberty, Long, Bryon, Tattnall, and Evans counties, and is the largest Army Installation east of the Mississippi River. Physiographically, this area lies within the Atlantic Coastal Flatwoods Province, within a humid, semi-tropical latitude, and averages 50 in. (127 cm) of rain per year. The average temperature in January is 62 °F (44 °C) with a relative humidity of 70 percent, while July averages 91 °F (32 °C) with a relative humidity of 76 percent. Approximately 66 percent of the 112,745 ha of the installation are terrestrial and cover three main forest types: upland pine stands composed primarily of longleaf (*Pinus palustris*), loblolly (*P. taeda*), and slash pine (*P. elliottii*); mixed pine-hardwood sites; and hardwood stands. The remaining habitats include various wetland types and open water (Fort Stewart ESMP Team 1998).

The primary mission of Fort Stewart is training and operational readiness of the 3rd Infantry Division (Mech.) and other nondivision units. The 3rd Infantry Division (previously the 24th) was activated in 1975 and redesignated as a mechanized division in 1979 (Hayden 1997). Training activities are conducted year-round at Fort Stewart to maintain a combat ready fighting force. The installation also supports training of regional National Guard and Reserve units, as well

as joint training exercises with troops from other installations and DoD Branches (Fort Stewart ESMP Team 1998).

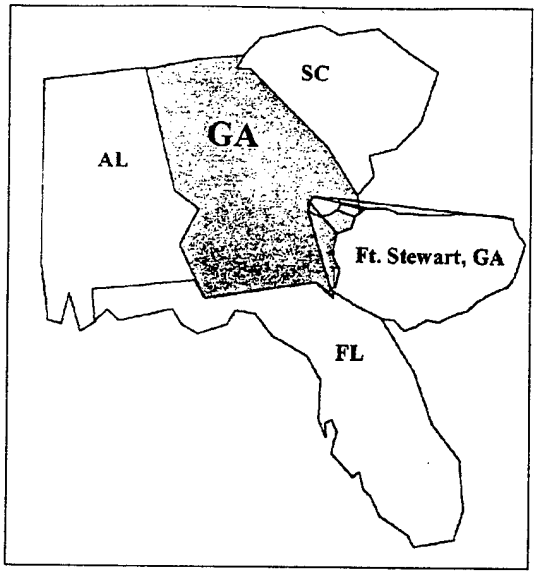

Figure 2. Location of Fort Stewart within the state of Georgia.

Fort Stewart contains a variety of impact and firing areas (Figure 3). The central feature of the installation is the Artillery Impact Area (AIA; about 5,200 ha), which is surrounded by dozens of artillery firing points varying in distance from a few hundred meters to thousands of meters from the impact area. On the western border of the AIA is the Red Cloud Multipurpose Range Complex (MPRC) containing eight separate ranges. Just south of the AIA is the Explosive Ordnance Disposal Area (EOD), the Demolition Area (DEMO), and the Small Arms Impact Area (13 live fire ranges, about 2,300 ha). To the east and northeast of the AIA are the Calfax and Luzon Ranges, and three smaller Aerial Gunnery Ranges (AGRs). There are also seven drop zones located throughout the installation (Hayden 1997).

Sample Cluster Selection

There are 305 known RCW clusters (the aggregate of cavity trees used by a group of RCWs) distributed across Fort Stewart (Figure 3). None are known to be in the AIA because this area has not been surveyed due to safety concerns. Of the approximately 212 reproductively active (potential breeding pair present) RCW groups in 2000, we chose 50 groups for experimentation during the third field season. This was comparable to the number of experimental groups examined during the 1999 field season (Delaney et al. 2000). We classified RCW groups according to type and level of training noise based on: (1) number, (2) dis-

tance, and (3) noise levels of stimulus events that each group typically receives. Three types of sample groups were chosen: passive disturbed, undisturbed, and experimental. "Passive disturbed" groups were those groups that received potentially significant noise disturbance as part of normal training operations; we had no direct control over time, number, or level of noise events at these clusters.

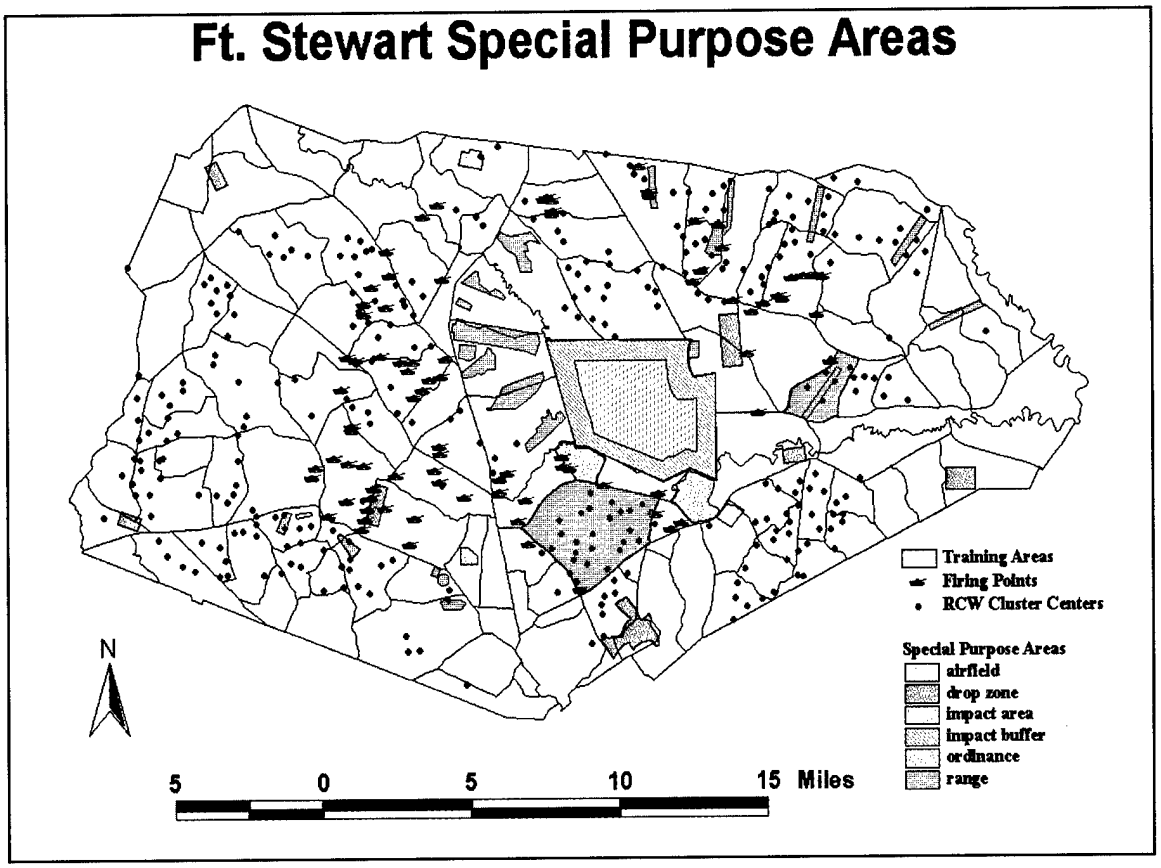

Figure 3. Locations of training areas and RCW groups on Fort Stewart. Green dots represent RCW locations.

Noise types include large-caliber live fire, small arms live fire, grenade and artillery simulators, and helicopter flights. We attempted to choose RCW groups that received predominantly one type of noise, but this was sometimes impossible if we were to also use the highest noise level groups. "Undisturbed" or "low disturbance" RCW groups (the two terms are equivalent and are used interchangeably in this report) are groups where noise levels were judged likely to be consistently low or absent for all of the noise types. At these groups we documented sound levels, observed behavior, and measured success as a baseline for judging impact at disturbed groups. It is likely that at least some level of military noise of some type can be perceived at every RCW group on Fort Stewart. Our criterion for low disturbance is noise levels at or near ambient noise levels. At "experimental" RCW groups we exposed birds to either artillery simulators (Figure 4) or .50-caliber blank fire (Figure 5) under controlled conditions at distances of 15.2, 30.5,

45.7, 61.0, 76.2, 91.5, 122.0, 152.4 and 244.0 m from the nest tree (Appendix B, Tables B1 and B2). Not all distances were tested for each noise source or RCW group because bird response dictated which distances would be used for developing a distance-response threshold. Experimental groups were chosen from among birds that had low to moderately low disturbance levels. This implies that birds in these groups were not habituated to the noise stimulus. Sample size was limited by the number of groups that fit protocol criteria and by available field observations.

Figure 4. Artillery simulator blast.

Figure 5. .50-caliber blank fire.

Impact Measures

Selection of noise impact criteria is a critical issue. For humans the response criterion is typically annoyance. For domesticated species the issue may be damage to individual animals or impacts on profits. For TES, the ultimate concern is long-term survival of the species. The challenge is to develop a relatively short-term procedure for inferring impact on long-term survival. The conceptual approach used in this study is depicted in Figure 6. First, proximate responses to the noise stimulus are measured. A proximate response is the direct and immediate response of the animal to the stimulus; for example a behavioral (e.g., flight) or a physiological (e.g., change in heart rate) response. This tracks with the first regulatory decision criterion of the Endangered Species Act (ESA), that is, whether the action or activity "may affect" the species. Next, we examine whether the stimulus that elicited the proximate response affects "individual fitness" which is typically evaluated in terms of adult and juvenile mortality or reduced nesting success. Mortality and nesting success are established by field monitoring of many individuals throughout the nesting season. This level of effect tracks with the next decision criterion of the ESA, namely whether the action or activity is "likely to jeopardize the continued existence" of the species. Population effects will be inferred from measures of individual fitness by application of population viability analysis (PVA) models. Current applications of PVA do not capture the temporal and spatial variability of training events, and thus cannot model the resulting effects on endangered species' demographic parameters. Researchers at the Engineer Research and Development Center, Construction Engineering Research Laboratory (ERDC/CERL) currently are developing PVA modeling approaches capable of capturing training effects in predictive population models. This is a shared effort under this project and a related ERDC/CERL research effort to evaluate effects of maneuver training (vehicles and troops) on RCWs.

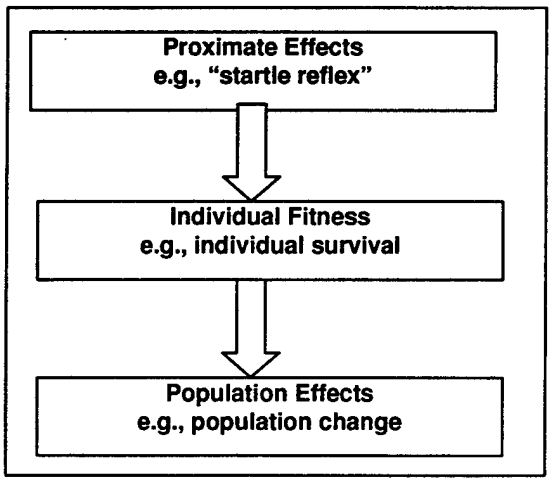

Figure 6. Assessment hierarchy for training impact on threatened and endangered species.

In summary, the research paradigm is that proximate effects can be linked to individual fitness, which in turn can be linked to population effects. As a specific example, consider that a bird might flush from a nest (a proximate response) in response to a noise event. It is possible that this could lead to failure of the nest, especially if the noise and flush response occurred repeatedly. Monitoring is required to determine nesting success of disturbed and undisturbed nests. A population model is required to determine if such failure of some percentage of nests has an effect on survival of the population.

Behavior and Proximate Response Measurement Protocols

We documented woodpecker behavior at low and high noise disturbance nest sites by direct observation and through video surveillance. We divided the nesting cycle into three stages: incubation (eggs present from nest day 0 to 10), brooding (adult RCWs attend young chicks between 1 to 4 days old to assist with thermoregulation: nest days 11 through 14), and nestling (larger chicks typically unattended for long periods of time in nest: day 15 until fledging around nest day 25-26). A "data session" consisted of behavioral observations of at least one adult RCW, typically for 1 hour or longer. At disturbed RCW groups we attempted to observe behavior for at least 30 minutes before and after each noise event. This was sometimes not possible for passive disturbed groups because noise events were so frequent that we could not document undisturbed behavior for extended periods of time.

To evaluate RCW baseline behavior and responses to military training activities, we measured several parameters:

1. Alert - RCW moves to the cavity mouth, head movements, orient to noise source;
2. Flush from nest - RCW departs from the nest cavity in response to the stimulus, and remains away from the nest for a measured period of time;
3. Return time - length of time an adult is away from the nest cavity after being flushed;
4. Nest attentiveness - proportion of time that adult RCWs spend attending the nest cavity through the nesting season (calculated for diurnal, 24-hour periods, and for the incubation and nestling phases);
5. Prey deliveries - number and rate of prey deliveries to the nest cavity;
6. Trips - number and duration of times the attending adult left the nest cavity.

RCW behavior categories 4 through 6 will be presented in the final report after the data have been fully analyzed.

Demographic and Nesting Success Data

RCW demographic data (population size, growth, density, and distribution) were collected in accordance with established protocols used by the Fish and Wildlife Branch DPW on Fort Stewart. Demographic data included the following parameters for each RCW group:

1. Cluster occupancy - cluster occupied by one or more RCWs. Most individuals are identified by unique leg band combinations (provides a measure of population size, growth, and stability);
2. Mated status - presence of both an adult male and an adult female RCW;
3. Active nest — at least one egg was laid;
4. Nesting success - at least one fledgling was produced (provides a measure of the proportion of RCW groups that are reproductively successful);
5. Nesting productivity - number of young fledged per nest (provides a measure of fecundity);
6. Number of eggs produced;
7. Number of nestlings hatched;
8. RCW group size - (provides a possible measure of territory quality and availability).

These data enable several trends to be detected:

1. Reproductive loss - mortality rate of eggs, nestlings, and fledglings during nesting;
2. Annual nest reoccupancy rates - provides a potential measure of RCW response to disturbance. Sites with heavy disturbance levels may be abandoned in subsequent years in favor of other sites further from specific disturbances;
3. Site tenacity - turnover rate of adult and helper RCWs within a cluster across years;
4. Nesting success rates for disturbed and undisturbed RCW groups;
5. Mean number of young fledged for disturbed and undisturbed RCW groups;
6. Mean clutch and brood size for disturbed and undisturbed RCW groups;
7. Reproductive potential - total number of young that could be produced if all eggs and nestlings survived to fledge successfully.

Most of the demographic data for Red-cockaded Woodpecker groups was collected by DPW Fish and Wildlife personnel from Fort Stewart. Each active (at least one RCW present) RCW group was initially visited to determine the occupancy. Adult RCWs were banded to determine group size and affiliation using methods similar to Walters et al. (1988). A 25 percent random sample of all RCW groups were then monitored approximately every 7 to 9 days to record clutch and brood size. Nestlings were uniquely color banded approximately 4 to 6 days after hatching. Groups were visited 20 to 25 days after nestlings were banded to de-

termine the number and sex of fledglings (Walters et al. 1988). The 25 percent sample included many of our sample groups. We augmented the DPW Fish and Wildlife sample by monitoring demographic data (particularly the number of young fledged) for additional RCW groups to provide more complete coverage of our sample groups.

Video Surveillance

Video cameras were used as a means to record RCW behavior over prolonged periods, to reduce costs, and to avoid potentially disruptive effects of human presence. The camera systems also documented response in areas that could not be safely monitored (e.g., downrange from firing positions). Cameras were attached to tree trunks with adjustable, jointed angle-brackets and screws. Cameras were mounted at the same level or slightly above nest height in the nearest practical tree and at least 5 m from the nest tree so as not to disturb incubating woodpeckers. Power and coaxial cables were covered with camouflaged cloth and were attached to a 10.5 cm, DC (direct current) monitor and battery so camera placement could be directed from the base of the camera tree. At least two people are required for camera placement: a climber to position the camera and a person on the ground to check the video signal and placement. Then a trunk line is attached at the base of the tree (covered by a camouflaged 1.2 cm diameter hose for protection against rodents), allowing the power/recording station to be placed 60 m from the tree to minimize potential disturbance to the woodpeckers. We put the recorder, twin batteries, and all connectors inside a weatherproof bin concealed under a camouflaged tarpaulin. Freshly recharged batteries are used for each set of recordings. We used charge-coupled device (CCD) video-board cameras (both black and white and color) to document RCW behavior at 25 nest sites (11 experimental, 7 passive disturbed, and 7 control) during the 2000 nesting season. The solid state, 12-volt, flexible circuit-board black and white cameras were equipped with 12.0-mm lenses, while the color cameras had 75-mm lenses. The cameras provide a minimum of 380 lines of resolution and have a minimum sensitivity of 0.45 Lux. Black and white cameras are mounted in waterproof heavy-gauge plastic switch boxes with transparent covers (12.9 x 6.7 x 4.1 cm) which are painted black, except for the lens and LED (light-emitting diode) area. Color cameras were housed in metal weatherproof containers. Two ports are threaded into the protective housing: one for the power supply and the second for the video signal (Delaney et al. 1998). Panasonic Model AG-1070DC Professional/ Industrial VHS video recorders, connected to cameras via coaxial cable (RG-59), provided approximately 24 hours of coverage per tape. These 12-volt, DC-powered recorders were designed for surveillance applications. Cameras and video recorders are powered by two 12-volt, 33.0-amp-hour, Power-

Sonic Model PS-12330 sealed rechargeable batteries connected in parallel (a 24-hour taping would draw a single battery below operational limits). These "gel-cell" type batteries (weighing 11.3 kg each) reduce the risk of battery damage, and eliminate the potential for spillage during backpack transport.

Sound Instrumentation and Recording

Sony TCD-D8, Digital Audio Tape (DAT) recorders were used to continuously record all noise events, along with the exact time and date. We attached Bruel & Kjaer (B&K) Type 4149 1.3 cm Condenser Microphones with 7.5 cm wind screens to B&K Model 2639 Preamplifiers, mounting the microphone on a 1 m stick, and placing the unit directly under a woodpecker's nest about 1 m from the tree trunk. The power supply and DAT recorder were also placed at the base of the nest tree in a small camouflaged container. A 1.0-kHz, 94-dB calibration signal (20 micropascals reference) from a B&K Type 4250 Sound Level Calibrating System was recorded before and after each noise event recording. This signal provides a reference for sound levels and spectra when data are later analyzed using a B&K Type 2144 Frequency Analyzer. All noise data were analyzed at ERDC/CERL. In addition to recording noise levels at the base of the nest tree, we also recorded noise levels within cavities after the nesting season.

Sound Metrics

Noise is defined as sound that is undesirable or constitutes an unwarranted disturbance, and can alter behavior or normal functioning (ANSI S1.1-1994). The types of military noise that are within the scope of this study vary widely in instantaneous transient amplitude, duration, spectral energy content, and suddenness of onset. Appropriate noise metrics and frequency weighting are essential to adequately quantify noise impact for each type of noise. Noise metrics are chosen to measure the noise dose in a way that meaningfully correlates with subject response. Frequency weighting is an algorithm of frequency-dependent attenuation that simulates the hearing sensitivity and range of the study subjects. Frequency weighting discriminates against sound that, while easily measured, is not heard by the study subjects. The current project requires specialized metrics and techniques to meaningfully measure noise impacts on animals. Our paradigm is to measure noise events in terms of unweighted one-third-octave band levels, apply frequency weighting to the resultant spectra, and calculated appropriate overall metrics.

Only noise that is audible to the study species should be accounted for in the metric used to quantify noise level. Frequency weighting designed for humans may not be appropriate for animal species. The commonly used "A" frequency weighting (ANSI S1.4-1983) attenuates noise energy according to human hearing range and sensitivity. For human response to blast noise, "C" frequency weighting is often applied to received blast noise signals, rather than "A" weighting which is more representative of human hearing response (ANSI S1.4-1983). This is done to retain low frequency energy that, while not heard by humans, causes a secondary rattle in buildings which does evoke response (ANSI S12.4-1986). This is not appropriate for most wildlife. An audiogram, which describes hearing range and sensitivity, provides guidance regarding appropriate frequency weighting for the species of interest and aids in interpretation of noise response data. We searched the literature and consulted several leading experts on bird hearing without finding an audiogram for the RCW or for any species in RCW's order, *Piciformes*. Thus, as part of this project we obtained a preliminary woodpecker audiogram that will be used to develop a frequency weighting function. Figure 7 shows the woodpecker audiogram, a composite average audiogram of seven orders of birds, with an approximate representation of a human audiogram. The differences are substantial. The owl audiogram further illustrates how audiograms can vary among species. Additional information on the current RCW audiogram work can be found in Pater et al. (1999).

It is well-established (ANSI S12.40-1990; S12.9-1996; S12.17-1996; Homans 1974; NAS 1977, 1981; Rice 1983; Rice et al. 1986; Schomer et al. 1994) that the appropriate metric for blast noise is SEL, which is essentially the time integral of the square of the acoustic pressure. We measured blast noise as unweighted one-third-octave band SEL, to which frequency weighting appropriate for the RCW will be applied (when available from the audiogram portion of this study, described in Appendix B) to obtain appropriately weighted overall levels. The same metric and procedure was also used with small arms noise (Buchta 1990; Hede and Bullen 1982; Hoffman et al. 1985; Luz 1982; Sorenson and Magnusson 1979; Vos 1995). Two metrics, the SEL and the maximum 1-second equivalent average (LEQ) level, were used for helicopter noise, airplane noise, and vehicle pass-by noise, since both are meaningful in terms of correlation with response (Environmental Protection Agency [EPA] 1974, 1982; Federal Interagency Committee on Urban Noise [FICUN] 1980; Fidell et al. 1991; Schomer 1994; Schultz 1978; U.S. Code of Federal Regulations 1980). Ambient noise was measured as LEQ for various appropriate time periods (EPA 1982). In all cases, the noise signals were recorded on digital audio tapes and preserved for possible further analysis.

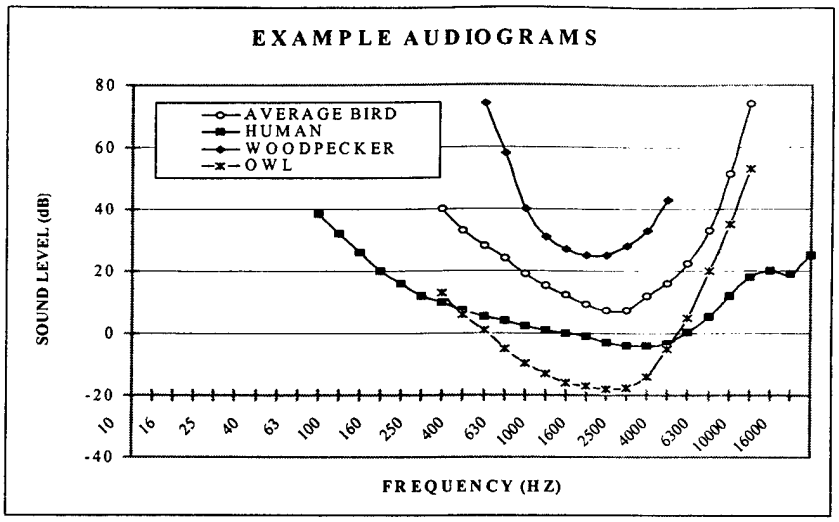

Figure 7. Examples of audiograms and frequency weighting.

Statistical Data Analysis

We used SPSS 8.0 for Windows (SPSS Inc. 1998) to perform all descriptive statistics; for example, one-way ANOVA for comparing the mean number of eggs, nestlings, and young fledged between the first and second nesting attempts. Independent sample t-tests were used to compare nest productivity data between experimental and control sites. Whenever appropriate, multiple observations at single nests were averaged before inferential tests were performed so that the sample sizes are the number of nests examined. We used a one-tailed Fisher Exact Test to assess 2x2 contingency tables for variability in nesting success between disturbed and undisturbed nest sites (Zar 1984). We used Sample Power 1.0 to conduct power analyses (Borenstein et al. 1997). Alpha levels of 0.05 will be required to reject a null hypothesis for all tests. Means ± standard error (SE) are presented throughout this document.

4 Results

Initiation Dates for Each Nesting Phase

The first woodpecker clutches were initiated on approximately 10 April through 3 June, while secondary clutches (groups that renested after initial nest failure) were initiated on 2 May through 15 June. Eggs from initial nesting attempts hatched on approximately 24 April through 16 June, while nests from second nesting attempts hatched on 15 May through 27 June. We observed young fledging from initial nesting attempts on 20 May through 12 July, and from 11 June through 22 July for fledglings from secondary nesting attempts. There were no third nesting attempts observed during the 2000 nesting season.

Overall Population Dynamics

Of the 212 potential breeding RCW pairs on Fort Stewart, 170 nested during the 2000 nesting season (80.2 percent). This was a 7.1 percent increase over the number of potential breeding pairs (N = 198) and a 3.0 percent increase in the number of groups that nested (N = 165) on Fort Stewart in 1999. Of the groups that nested, 79.4 percent fledged young successfully. Nineteen of the 35 groups that initially failed to nest were found renesting within the following 2 weeks, with 57.9 percent of those groups successfully fledging young. Groups that renested were found to be as reproductively successful (Fisher Exact Test, P = 0.054; 57.9 percent for groups that renested versus 81.6 percent for initial nesting attempts) and productive as groups that nested only once. We observed no statistically significant difference in number of eggs ($F_{1,169}$ = 1.40, P = 0.24), nestlings ($F_{1,166}$ = 0.01, P = 0.93), or the number of young fledged ($F_{1,169}$ = 0.31, P = 0.58) between groups that renested and those that nested only once. We then pooled these data to determine mean rates for the overall population. Mean clutch size for RCW nests was 2.95 ± 0.07 eggs/nest; mean brood size was 2.01 ± 0.08 nestlings/nest; and the number of young fledged was 1.57 ± 0.08 young/occupied nest (1.83 ± 0.08 young/successful nest). Occupied nests include groups that are successful as well as groups that are not. Successful nests include only those groups that are successful in fledging young. Approximately 279 young fledged from RCW groups during 2000, with 53.8 percent of those young being female.

There was a 38.6 percent decline in the reproductive potential of RCW nests from the incubation phase to the nestling phase ($F_{2,550}$, $P < 0.001$). The decline between the nesting and fledgling phase was 14.0 percent, but was not significant ($F_{2,550}$, $P = 0.11$). Overall, we observed a significant decline of 47.1 percent in the reproductive potential from incubation through the fledgling phase ($F_{2,550}$, $P < 0.001$).

Sample Group Population Dynamics

Of the 50 nesting RCW groups that received disturbance testing, 80.0 percent successfully fledged young. Eight of the 16 groups that initially failed to nest were found renesting within the following 2 weeks, with 62.5 percent of these groups successfully fledging young. Groups that renested were as reproductively successful (Fisher Exact Test, $P = 0.15$; 62.5 percent for groups that renested versus 83.3 percent for initial nesting attempts) and productive as groups that nested only once. We observed no statistically significant difference in number of eggs ($F_{1,49} = 0.54$, $P = 0.47$), nestlings ($F_{1,49} = 0.39$, $P = 0.53$), or the number of young fledged ($F_{1,49} = 0.01$, $P = 0.94$) between disturbed groups that renested and those that nested only once. Therefore, data were pooled before determining overall sample group fitness rates.

Disturbed and undisturbed RCW groups did not differ significantly in the number of eggs ($F_{1,76} = 2.81$, $P = 0.10$), number of nestlings ($F_{1,76} = 0.31$, $P = 0.58$), or number of young fledged ($F_{1,76} = 0.35$, $P = 0.56$). Forty of the 50 disturbed RCW groups were successful in producing an average of 3.00 ± 0.81 eggs/nest, 1.68 ± 1.20 nestlings/nest, and 1.54 ± 1.01 young/occupied nest (1.94 ± 0.70 young/successful nest), while 25 of 27 (92.6 percent) undisturbed groups were successful in producing an average of 2.71 ± 1.03 eggs/nest, 1.62 ± 1.10 nestling/nest, and 1.59 ± 0.96 young/occupied nest (1.93 ± 0.66 young/successful nest). The number of disturbed groups that successfully nested was not significantly different from undisturbed groups (Fisher Exact Test, $P = 0.16$). For disturbed groups, 8 of the 50 (16.3 percent) nesting attempts were second attempts. The number of disturbed groups that renested was not significantly different from undisturbed groups (Fisher Exact Test, $P = 0.42$). For undisturbed groups, 5 of 27 (18.5 percent) nesting attempts were second attempts. We found no difference in the reproductive success (Fisher Exact Test, $P = 0.13$) or productivity ($F_{1,48} = 1.69$, $P = 0.20$) for RCW groups exposed with artillery simulator blast noise versus sites that received .50-caliber blank fire.

Power Analysis

We conducted power analyses based on the reproductive success of disturbed and undisturbed RCW groups during the 2000 field season. There was a 0.35 probability of detecting a statistically significant result based on a 10 percent decrease in reproductive success in disturbed nest sites (Alpha level of 0.05; 1 tailed test). Power increased to 0.55 for detecting a 15 percent decrease in reproductive success, and to 0.71 for a 20 percent decrease. Based on the 13 percent difference observed in 2000, we had a 0.47 probability of detecting a significant decrease. We found that the reproductive success of RCWs varied by year and category (disturbed, undisturbed, and overall population level) on Fort Stewart. The overall reproductive success rate for RCWs on Fort Stewart ranged from 79.4 to 87.7 percent (Range: 8.3 percent) during 1998 through 2000. These were similar to rates observed for disturbed RCW groups (80.0 to 87.5 percent Range: 7.5 percent but were lower than rates for undisturbed groups (81.3 to 92.6 percent Range: 11.3 percent).

Noise and Response Monitoring Summary

During the 2000 field season we documented RCW response to experimental noise from controlled .50-caliber blank fire and artillery simulators. Passive noise from large-caliber live fire (20-mm M2A2 Bradley Fighting Vehicles, 120-mm M1A1-Tanks, and 155-mm M109 Howitzers), small-arms live fire (5.56-mm M-16 and Saw, 7.62-mm, and .50-caliber machine guns), grenade simulators, military helicopters, vehicles, MLRS, Stinger/Drone Missiles, and fixed-wing aircraft was recorded as it occurred. Passive noise was monitored during all nesting phases, while experimental tests were performed only during the incubation and early portions of the brooding phase when adults were present at the nest for extended periods of time.

We made noise measurements and behavioral response observations at a total of 50 experimental and 31 passive sample groups (21 of the 31 passive sample groups were also used in experimental testing). Detailed results are described below and are presented in the data tables and figures in Appendices B, C and D. The tables of Appendix B present summaries of the noise level measurements and RCW responses for each of the noise sources recorded. A typical spectrum for the most prevalent noise sources is presented in Appendix C. Appendix D presents noise level summaries for each noise stimulus type and detailed noise measurements in terms of one-third-octave band SEL levels. These are the data to which future adjustments for cavity resonance and woodpecker frequency weighting will be applied to obtain single-number overall noise levels. We also

monitored a total of 27 undisturbed sample clusters for the purpose of obtaining baseline behavioral information against which to judge proximate response at the disturbed groups.

Passive Monitoring

We recorded 1,662 passive noise events in 59 data sessions at 31 RCW groups during the 2000 nesting season. Small-caliber live fire events (M-16 rifles and .50-caliber machine guns) were recorded most frequently, followed by large-caliber live fire events (greater than 20-mm), Missiles (MLRS and Stinger/Drone), vehicles, and helicopters. Multiple noise events and stimulus types were usually recorded during each data session. Stimulus type, frequency, and noise level varied for each RCW group and are shown in the tables of Appendix B.

Experimental Testing

We conducted 101 experimental tests at 50 RCW groups (26 groups received artillery simulator testing, while 25 received .50-caliber blank fire testing) during the 2000 nesting season (Appendix B, Tables B1 and B2). Cluster 81 was tested for both .50-caliber blank fire and artillery simulators, with only one noise type being tested during each of two nesting attempts. The second nesting attempt successfully fledged two young.

Noise Measurement Testing

In addition to recording noise levels at the base of active RCW nests, we also measured noise levels in cavities after the nesting season. Both natural and artificial cavities were tested in 2000. Cavities acted as sound resonators, emphasizing the 125 to 250-Hz portion of the frequency band, and varied by individual tree. In the examples presented in Figures C1 through C3 (Appendix C), artillery simulators, .50-caliber blank fire events, and grenade simulators had maximum spectral noise levels of 17.5, 24.4, and 14.2 dB louder, respectively, inside a cavity compared with recordings for the same events measured at the base of the tree. Ambient sound levels were substantially lower than experimental noise events during all tests (Tables B1 – B7).

Distance and Noise Level Thresholds for Response

Experimental Tests

Artillery Simulators

As stimulus distance decreased, RCWs flush frequency increased (Figure 8), regardless of stimulus type (Appendix B, Tables B1 and B2). RCWs did not flush from nests when artillery simulator blasts were > 122 m away and SEL noise levels < 70 dBA (72 dB, unweighted). RCWs returned to their nests on average within 4.2 minutes after being flushed, while returning no later than 16 minutes overall (Figure 9).

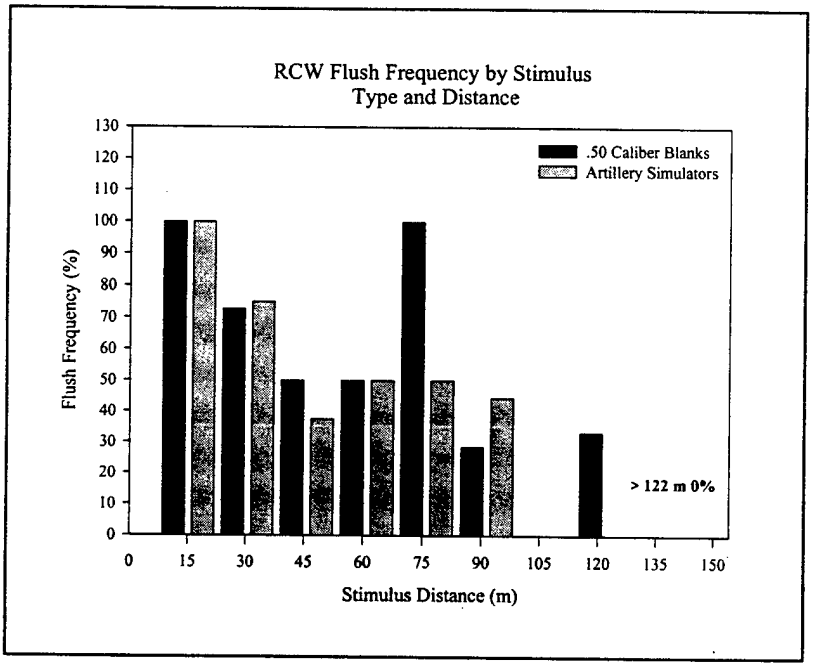

Figure 8. RCW flush frequency by stimulus type and distance.

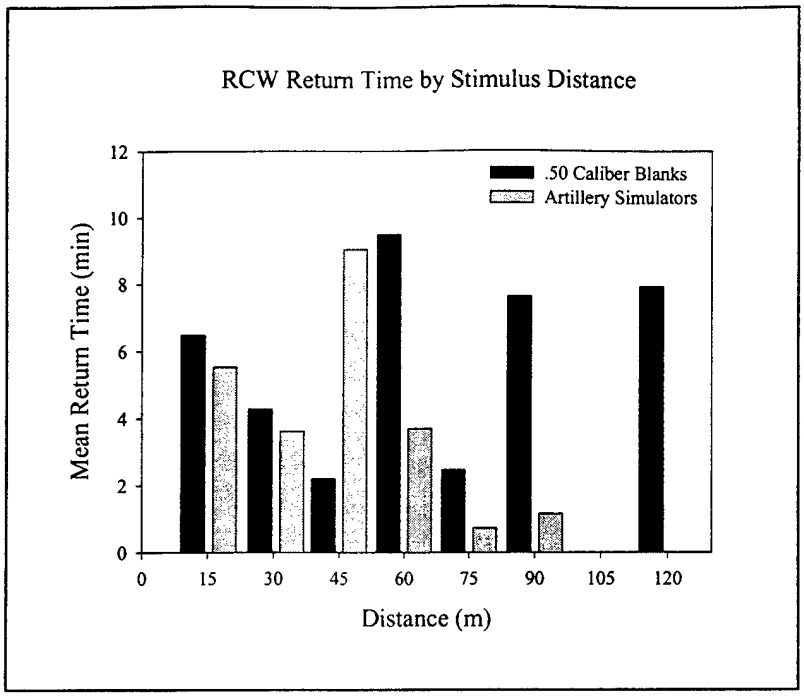

Figure 9. Mean return time for RCWs in response to experimental testing.

.50-caliber Blank Fire

We recorded only one flush response due to .50-caliber blank fire at 122 m. We tested RCW response to .50-caliber blank fire at distances > 122 m and did not observe any flush response at distances of 152 or 244 m. There was no difference in RCW flush response behavior towards .50-caliber blank fire and artillery simulators at comparable distances (Fisher Exact Test, $P > 0.05$). At distances < 122 m, .50-caliber blank fire and artillery simulators elicited similar response levels (52.8 percent) than comparably distanced artillery simulators (55.8 percent; Appendix B: Tables B1 and B2). RCWs did not flush from the nest when .50-caliber blank fire events were > 152 m away and SEL noise levels < 80 dBA (70 dB, unweighted). RCWs returned to their nests on average within 6.5 minutes after being flushed, while returning no later than 27 minutes overall (Figure 9).

Passive Events

Small-Caliber Live Fire

There was only one RCW group we examined, cluster 103, that received small-caliber live fire noise at distances less than 400 m. Noise levels at cluster 103 were louder than other clusters due to supersonic bullet noise ("sonic boom") and ricocheting bullets from an M-16 range (Small Arms - Golf) hitting trees in close proximity to the nest tree. The seven other clusters monitored for passive noise were either much further downrange or were positioned behind the firing lines compared with cluster 103 and therefore received lower noise levels. RCW groups located within live fire ranges were monitored remotely via video camera and audio recording equipment. When we compared the frequency spectra for muzzle blast noise versus bullet noise we found that most of the noise energy for muzzle blast noise occurred at 125 to 160 Hz, while peak supersonic bullet noise occurred at higher frequency levels, around 1600 to 2500 Hz. Bullet noise reached levels 20 to 30 dB louder than muzzle blast noise within the 1600 to 2500 Hz range and around 22 dB louder when peak levels for both noise events were compared (Figure 10). Bullet noise represented 22.0 percent (182 noise events, Table B3) of the noise events that were documented at cluster 103. Cluster 103 successfully fledged two young in 2000.

Overall, RCWs did not flush from the nest when small-arms live fire events were more than 200 m from active RCW nests and SEL noise levels were < 77 dBA (79 dB, unweighted; Appendix B, Table B3). Small-arms live fire events < 200 m did not represent shots from rifles themselves, but were from bullet noise. We were not able to determine the exact distances that bullets were hitting surrounding trees, but due to the received noise levels and the fact that we have seen bullets lodged in nearby trees, distances appear to be relatively close. Rifle noise from Small Arms - Golf M-16 range was approximately 430 m from the nest. We did not locate any other active RCW nests < 400 m from any small arms ranges to which we had access for testing purposes.

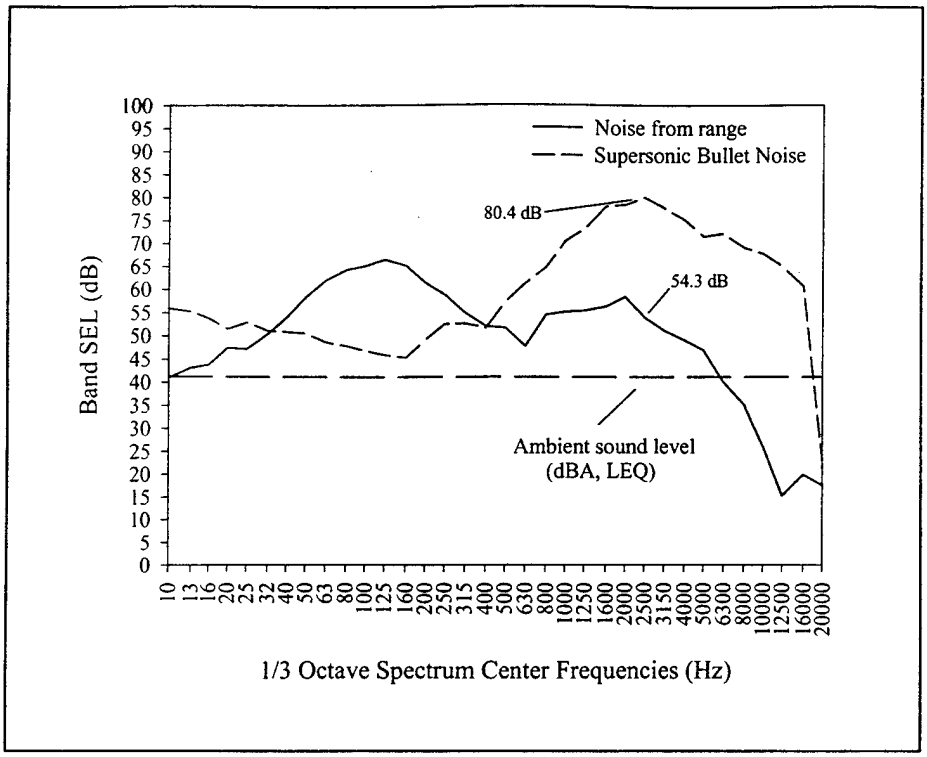

Figure 10. SEL weighting comparison for M-16 live fire at cluster 103 on 5 May 2000 from range and supersonic bullet noise near a RCW nest site.

Helicopters

Helicopter activity, as it relates to the frequency of events and pervasiveness across Fort Stewart, was substantially increased during the 2000 field season compared with 1998-1999. We recorded 53 noise events during 23 data sessions at 9 RCW groups during the 2000 field season (Appendix B, Table B4). We did not observe any flush responses relative to documented noise levels and stimulus distances. RCWs did not flush when military helicopters were > 30 m from nests and SEL noise levels were < 88 dBA (104 dB, unweighted; Appendix B, Table B2).

Large-Caliber Live Fire

The 2000 field season data show that RCWs did not flush when large-caliber guns were fired at distances > 1000 m from nests and SEL noise levels were < 75 dBA (102 dB, unweighted; Appendix B, Table B5). We did not record any large-caliber gun fire < 1000 m from any active RCW nest site, therefore, we could not test for response within that range.

Military/Civilian Vehicles

RCWs flushed twice in response to vehicle traffic during the 2000 nesting season. These flush events occurred at clusters 23 and 216 in response to a civilian vehicle and a Bradley Fighting Vehicle convoy, respectively. At cluster 216 a convoy of 17 Bradley Fighting Vehicles passed within 30 m of the nest tree eliciting a flush response by the attending adult. A bird was observed returning to the nest after the convoy had passed, within 10 minutes of the initial flush event. This site successfully fledged one young. The noise spectral data for a small portion of this event is in Figure C-3 (Appendix C). A second flush was observed at cluster 23 as a civilian vehicle passed within 30 m of the nest tree. A bird was observed returning to the nest within 3 minutes after the flush had occurred. This site failed during its first nesting attempt, but did successfully fledge 1 young during its second nesting attempt. The noise spectral data for that event is in Figure C-8 (Appendix C). RCWs did not flush overall when military vehicles were > 50 m from nests and SEL noise levels were < 63 dBA (75 dB, unweighted; Appendix B, Table B6).

Missiles

We were only able to record RCW response at the nest for one MLRS event at cluster 88 during the early brooding phase. This noise event did not elicit a flush response. All other missile recordings occurred prior to nesting or during the nestling phase (Appendix B, Table 7). Missile events shown in Table 7 at distances < 1000 m represent MLRS events at cluster 88. Missile events at distances > 2000 m represent Stinger/Drone Missile events at clusters 83 and 99. We were unable to test for RCW flush response at clusters 83 and 99 because it was late in the nestling phase and adults were not spending long periods of time at the nest (Appendix B, Table 7). RCWs did not flush when MLRS were fired > 750 m from nests and SEL noise levels were < 42 dBA (69 dB, unweighted; Appendix B, Table B7). Due to the low probability of encountering missile fire, we were unable to test for RCW response at distances < 750 m.

5 Discussion

Nesting Success

The preliminary findings, based on 2000 experimental testing data, suggest that measured noise levels and distances of training activities did not affect RCW nesting success or productivity. We believe the small but nonsignificant decrease in reproductive success and productivity between disturbed and undisturbed RCW groups was attributable to natural attrition inherent in the larger disturbed sample. Overall, reproductive success rates for disturbed sample groups appeared to be comparable with population level success rates, while undisturbed rates averaged higher. Based on the observed 7 to 11 percent variation of reproductive success rates (disturbed, undisturbed, and overall population levels) from 1998 to 2000, we believe that reproductive success rate differences of 20 percent between disturbed and undisturbed groups are biologically meaningful for RCWs and should be used when conducting power analyses. Such a rate level has been suggested by other researchers as biologically meaningful as well (Steidl et al. 1997). Based on a 20 percent difference in reproductive success, we believe that our data was robust (71 percent) in its ability to detect statistically significant differences in reproductive success rates between disturbed and undisturbed RCW groups. Our ability to detect for differences was somewhat reduced though due to limitations in sample size, especially concerning undisturbed groups. A sample size of 86 nests (or the equivalent of 103 for disturbed and 57 for undisturbed) for both disturbed and undisturbed groups would have been necessary to reach a power level of 0.80 for detecting a 10 percent difference in reproductive success (Alpha 0.05 for a 1 tailed test). Monitoring such a sample size for undisturbed groups would not have been possible. The sample size falls to 64 groups per category for detecting a 15 percent difference.

Flush Response and Related Behaviors

Flush Response

The proportion of Red-cockaded Woodpeckers that flushed in response to experimental training noise was negatively related to stimulus distance, regardless of stimulus type. The only exception to this trend occurred during .50-caliber

blank fire testing at the 76.2 m distance. We observed that RCWs flushed in all three presentations at that distance. There are a number of reasons why this might have occurred. It is possible that the flush rate at this distance is inflated due to the small sample size and that with increase testing rates would have decreased overall. It is also possible that the RCWs that received testing at that distance had become sensitized to early testing from the .50-caliber and responded more strongly than other woodpeckers that were not sensitized to this particular noise event.

The dose-response relationship for RCWs based on flush frequency with distance and noise level indicated that .50-caliber blank fire elicited similar response levels as artillery stimulators. It is possible that disturbances in closer proximity to an RCW's location may be more visible to RCWs from the mouth of the nest cavity and therefore elicit a greater response than a disturbance further away, regardless of noise level. It is important to consider all aspects, including visual impacts, of a stimuli when examining an animal's response to a disturbance. Although season and nesting phase influence avian response to disturbance (Thiessen 1957; Knight and Temple 1986; Delaney et al. 1999), habituation, prior experience, and animal temperament are important factors that should be taken into account (Hart 1985; Manci et al. 1988).

RCWs flushed infrequently in response to passive military training noise during the 2000 nesting season. Most of the passive noise events that we recorded were relatively distant compared with experimental testing and had moderate to low noise levels. Woodpeckers returned to their nests relatively quickly after being flushed. Return times by RCWs were comparable with times reported for bird species in other noise disturbance studies (Awbrey and Bowles 1990; Holthuijzen et al. 1990), and were comparable with 1999 RCW response data (Delaney et al. 2000). There did not appear to be a relationship between return time and stimulus distance. The amount of time that an attending adult is away from the nest has important consequences when we consider the role that nest predation and nest competition has on this species. Rat snakes frequently prey on cavity nesting birds (Jackson 1970), and have been documented to prey on RCW eggs and nestlings (Pater et al. 1999, Delaney et al. 2000). There are a number of species that are capable of usurping nesting cavities from the RCW. Both Red-bellied Woodpeckers (*Melanerpes carlinus*) (Kappes and Harris1997) and Red-headed Woodpeckers (*Melanerpes erythrocephalus*) have been shown to remove and eat eggs, usually in the process of usurping the cavity from the RCW. We documented one instance where a Red-bellied Woodpecker ejected both a juvenile and an adult RCW in the process of usurping the nest. Both the adult and juvenile appeared to be unharmed from this event. Southern flying squirrels (*Glaucomys volans*) have also been documented to eat eggs when competing with RCWs for

nest cavities (Jackson 1994), though there is disagreement over whether cavity usurpation by flying squirrels significantly reduces reproduction of RCWs (U.S. Fish and Wildlife Service 2000).

Nesting Behaviors

We are currently analyzing RCW nesting behavior (collected by direct observation and video data) to determine if nest attentiveness, trip frequency, timing, duration, or the number of prey deliveries are influenced by experimental or passive training activities on Fort Stewart compared with undisturbed groups. This information will be presented in detail in the final report. We recorded over 8,000 hours of RCW nest behavior at 36 RCW groups over the study years 1998 to 2000. Eleven of these video sites received experimental testing during this study, while 13 received passive noise. An additional 12 were considered control groups and will be used to develop baseline behavioral trends from which passive and experimental groups will be compared. We did not observe any nest abandonment relative to camera use. Birds were observed using camera trees for foraging and perch sites when coming and going from the nest tree.

Distance and Sound Thresholds

Despite the aggressive nature of our testing regime (i.e., close proximity and repeated exposure), RCW behavioral responses were minimal when experimental stimuli were > 122 m away. We did not observe RCWs flushing from the nest when experimental noise stimuli were > 152 m away. Due to the variation in noise level and frequency spectra for other noise sources on Fort Stewart, passive noise event distances and sound thresholds were addressed on a case-by-case basis. Due to the varied nature and location of maneuver training activities on Fort Stewart, it is highly unlikely that woodpeckers would receive as much disturbance activity during the nesting season within any year as the experimentally disturbed RCW groups received during this year's study.

An examination of the data presented in Appendix B reveal a wide range of received noise levels at a given distance. One reason is that different types of noise sources have different acoustic source energy. Another reason is that certain noise sources can vary in the number of noise events that occur within a specific period of time (i.e., one round from a .50-caliber machine gun versus a 10 round burst). Variation in the frequency and timing of a noise source can greatly change its total emissive power. Noise sources can also vary depending on how they were manufactured. We observed differences in the emissive power of artil-

lery simulator (at similar distances) during experimental testing that appeared to be due to the amount of explosive powder in the simulator.

For a given noise source, received noise level also depends on differences in propagation conditions, a result of differences in atmospheric wind and temperature structure. It is well known that at distances of several kilometers, received noise level can vary by as much as 20 dB above and below the mean due to changes in meteorological conditions (Embleton 1982; Li et al. 1994; Larsson and Israelsson 1991; Pater 1981; Piercy et al. 1977; White and Gilbert 1989; White et al. 1993). Differences in received noise level can also be due to orientation of the weapon relative to the receiver. Many weapons exhibit substantial directivity; some as much as 15 dB louder downrange (Pater 1981; Pater et al. (Draft); Schomer et al. 1976a and 1976b [Vol I and II]; Schomer et al. 1979; Schomer et al. 1981; Schomer 1982; Schomer 1984; Schomer and Goebel 1985; Schomer 1986a, 1986b; Walther 1972). Some other important factors that should be taken into account are the orientation of the nest cavity relative to the noise source and any barriers between the noise source and the bird's position.

Noise Measurement Test

Noise levels within RCW nest cavities were substantially louder than noise levels recorded at the base of the nest tree due to a possible Helmholtz resonating effect. Due to differences in cavity and weapon orientation, presence or absence of barriers, and weapon directivity, we were not always able to extrapolate noise levels recorded at the base of the tree to received levels within RCW nest cavities. Noise measurements were therefore taken inside each nest cavity before or after the nesting season for each noise source to determine the noise levels that birds may actually be experiencing. Data comparing natural and artificial cavities are currently being analyzed to determine if there is a variation in the resonant frequency of the nest trees and if there are any differences in the noise level or duration of the noise event from comparably distant stimulus events. These data will also be presented in the final report.

6 Plans and Conclusions

Plans

The three years of data collected on RCW response to military training activities are being analyzed and will be presented in a final report that will be submitted to SERDP by December 2001. In this report we will detail a dose-response threshold relationship for RCWs relative to all military noise sources tested. We will also present direct observational data and video data from baseline, passive, and experimental RCW nesting behavior. Nesting data from undisturbed groups will be used to develop baseline life history patterns. Passive and experimental groups will then be compared with baseline behavioral patterns to determine the effects of military activity on RCW nesting behavior. We will also report our findings on cavity resonance and its effect on the perceived noise level by RCWs. The investigation of woodpecker hearing has provided useful results and will be incorporated into our results to develop a woodpecker weighting curve for which all noise sources will be examined.

One aspect of the technical approach that has not yet been executed is to use available noise models and training activity data to calculate noise dose for each RCW group, and to examine these data for correlation with nesting success data. Fort Stewart installed the updated version of the Range Facility Management Support System (RFMSS) in early 1998. This system included detailed data regarding training activity. These data will also be examined and presented in the final report.

Conclusions

During this third year of study of the impacts of training noise on the RCW, we observed and documented experimental training noise events and the resulting RCW responses under realistic conditions. Both proximate response behavior and nesting success were measured. We also observed RCW behavior and nesting success for groups where noise stimuli were absent or minimal (near or below ambient sound levels), to provide an undisturbed behavior baseline to judge response and impact against. No significant differences in nesting success or pro-

ductivity were found between experimentally disturbed and relatively undisturbed RCW groups.

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Appendix A: Significant Legal Requirements

The Endangered Species Act (ESA) requires Federal agencies to carry out programs for the conservation of threatened and endangered species. Agencies are further required to ensure that their actions do not jeopardize the continued existence of listed species or result in the destruction or adverse modification of the critical habitat of these species. These requirements fall under provisions of Section 7 of the Act, which also requires agencies to conduct biological assessments to evaluate the impacts of their activities on listed species. This assessment serves as the primary basis for coordination with the U.S. Fish and Wildlife Service which, in turn, issues a biological opinion and specific endangered species management recommendations. Implementation of these recommendations can place constraints on execution of the military mission. To avoid possible penalties resulting from findings of "take" due to harassment or harm resulting from exposure to military-related noise, a capability is needed to evaluate and monitor the impact of noise on both behavior and breeding success of affected species. Under the ESA it is the responsibility of the land owner, not of the U.S. Fish and Wildlife Service, to evaluate effects of land use activities on threatened and endangered species.

The ESA prohibits take of endangered species, where "take" means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct. Within the definition of take, the term "harm" has been subject to significant judicial scrutiny. "Harm" is clearly an act that actually kills or injures wildlife, but it may also include actions that significantly impair essential behavioral patterns, including breeding, feeding, or sheltering.

The National Environmental Policy Act (NEPA) requires Federal agencies to assess the impact of planned activities on the environment and to make the assessment available to the general public. The decision making procedures are documented by either an Environmental Assessment (EA) or an Environmental Impact Statement (EIS). Noise and threatened and endangered species are often important issues in these documents, particularly as reviewers place a stronger emphasis on cumulative effects of activities.

Appendix B: Summary Data Tables

Table B 1. Flush response of nesting Red-cockaded Woodpeckers versus the number, distance and noise levels of experimental artillery simulator testing on Fort Stewart, GA, 2000.

Stimulus Distance (m)	Cluster Tested	Number of Noise Events	Number of Data Sessions	Number of Flushes	Noise Levels, SEL (dB) Cavity level	unweighted	"A" weighted	Typical Ambient LEQ (dB) "A" weighted
15.2	81,126,136	3	3	3	98-113	93-104	88-91	35-42
30.5	1,41,51,53,126,136,137,159,179 183,184,205,206,221,227,295	16	16	12	99-112	89-102	83-91	33-46
45.7	23,41,137,159,197,198,206,221	8	8	3	97-107	80-100	78-87	33-44
61.0	1,6,41,62,80,86,179,183,198,205,221,232	12	12	6	97-109	81-101	73-84	32-41
76.2	57,80	2	2	1	102-106	74-97	72-82	36-42
91.5	1,6,57,62,80,86,183,184,295	9	9	4	100-105	74-93	71-82	35-45
122.0	1,6,62,206,295	5	5	0	93-102	73-90	70-72	37-45
≤122.0	**26**	**55**	**55**	**29**				
152.4	206	1	1	0	92	74	72	36
Totals	**26**	**56**	**56**	**29**				

Table B 2. Flush response of nesting Red-cockaded Woodpeckers versus the number, distance and noise levels of experimental .50-caliber blank fire testing on Fort Stewart, GA, 2000.

Stimulus Distance (m)	Cluster Tested	Number of Noise Events	Number of Data Sessions	Number of Flushes	Noise Levels, SEL (dB) Cavity level	unweighted	"A" weighted	Typical Ambient LEQ (dB) "A" weighted
15.2	194	1	1	1	108-118	96-104	91-97	39
30.5	10,23,47,48,60,61,81,87,148,172,194	11	11	8	105-115	91-106	87-98	36-43
45.7	10,32,107,148,	4	4	2	103-114	88-101	80-95	38-48
61.0	12,23,48,60,61,75,81,88,107, 139,172,207,289	14	14	7	102-106	84-100	76-91	32-47
76.2	2,36,87	3	3	3	97-105	89-93	84-89	37-42
91.5	23,42,107,139,218,228,289	7	7	2	101-103	80-95	82-86	34-46
122.0	42,216,228	3	3	1	97-100	84-88	75-86	34-45
≤122.0	**25**	**43**	**43**	**24**				
152.4	228	1	1	0	94-100	81-87	70-76	41
244.0	228	1	1	0	74	61	55	45
Totals	**25**	**45**	**45**	**24**				

Table B 3. Flush response of nesting Red-cockaded Woodpeckers versus the number, distance and noise levels of passive small-caliber fire on Fort Stewart, GA, 2000.

Stimulus Distance (m)	Cluster Tested	Number of Noise Events	Number of Data Sessions	Number of Flushes	Noise Levels, SEL (dB) Unweighted	"A" weighted	Typical Ambient LEQ (dB) "A" weighted
200-300	103	182	3	0	76-96	75-97	42-45
400-600	51,103	644	4	0	58-77	53-75	41-45
1500-2500	23,83	126	2	0	64-72	45-64	45-48
4000-5000	36,48,71,267	160	4	0	62-76	42-60	40-45
Totals	**8**	**1112**	**13**	**0**			

Table B 4. Flush response of nesting Red-cockaded Woodpeckers versus the number, distance and noise levels of passive helicopter flights on Fort Stewart, GA, 2000. Stimulus distances represent the closest estimated approach distance by a helicopter.

Stimulus Distance (m)	Cluster Tested	Number of Noise Events	Number of Data Sessions	Number of Flushes	Noise Levels, SEL (dB) Unweighted	"A" weighted	Typical Ambient LEQ (dB) "A" weighted
30-50	53,57,206	9	3	0	103-110	90-98	42-45
51-100	23,53,57,60,206	11	5	0	96-101	85-91	40-45
101-200	2,23,48,53,57,206,207,216	17	8	0	90-96	74-85	38-45
201-300	2,48,53,60,206	15	5	0	87-90	63-79	42-44
301-400	53,206	4	2	0	84-85	64-74	42-44
Totals	**9**	**56**	**23**	**0**			

Table B 5. Flush response of nesting Red-cockaded Woodpeckers versus the number, distance and noise level of passive large-caliber live fire on Fort Stewart, GA, 2000.

Stimulus Distance (m)	Cluster Tested	Number of Noise Events	Number of Data Sessions	Number of Flushes	Noise Levels, SEL (dB) unweighted	"A" weighted	Typical Ambient LEQ (dB) "A" weighted
1000-3000	23,84,159,183,206,267	279	13	0	69-103	48-76	36-49
3001-5000	41,48,81,162	23	5	0	64-90	40-69	32-45
5001-7000	23,57	7	2	0	72-84	44-55	34-41
Totals	**11**	**311**	**21**	**0**			

Table B 6. Flush response of nesting Red-cockaded Woodpeckers versus the number, distance and noise levels of passive vehicles on Fort Stewart, GA, 2000.

Stimulus Distance (m)	Cluster Tested	Number of Noise Events	Number of Data Sessions	Number of Flushes	Noise Levels, SEL (dB) Unweighted	"A" weighted	Typical Ambient LEQ (dB) "A" weighted
15-50	12,13,23,57,83,197,216	54	10	2	58-110	51-98	38-47
50-100	82,206	11	2	0	82-99	65-80	32-45
101-200	62,139	5	2	0	72-93	70-83	41-42
201-300	6	2	2	0	84-87	62-64	38-42
301-400	207	2	1	0	76-79	54-62	38
Totals	**13**	**74**	**17**	**2**			

Table B 7. Flush response of nesting Red-cockaded Woodpeckers versus the number, distance and noise levels of passive missiles on Fort Stewart, GA, 2000.

Stimulus Distance (m)	Cluster Tested	Number of Noise Events	Number of Data Sessions	Number of Flushes	Noise Levels, SEL (dB) Unweighted	"A" weighted	Typical Ambient LEQ (dB) "A" weighted
750-1000	88	33	2	0	67-105	61-96	34
2000-4000	83	60	2	N/A	65-93	52-73	41
4001-6000	99	15	1	N/A	69-85	47-68	41
Totals	**3**	**108**	**5**	**0**			

Appendix C: Source Spectra Examples

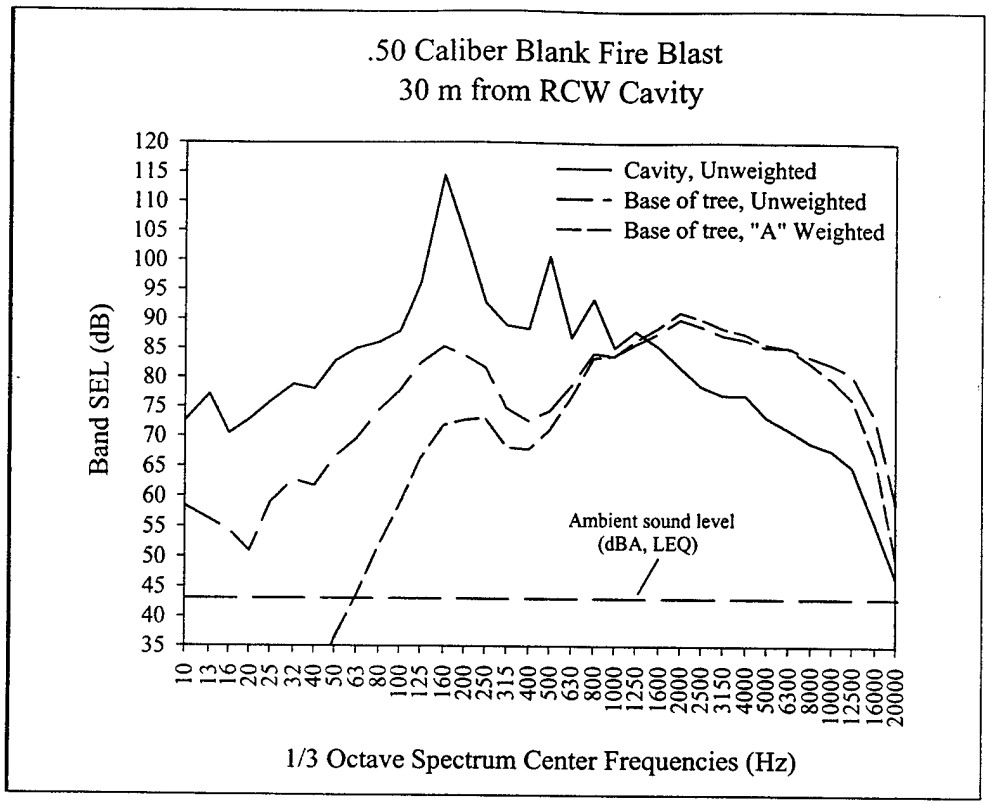

Figure C 1. SEL weighting comparison for experimental .50-caliber blank fire at cluster 47 on June 5, 2000.

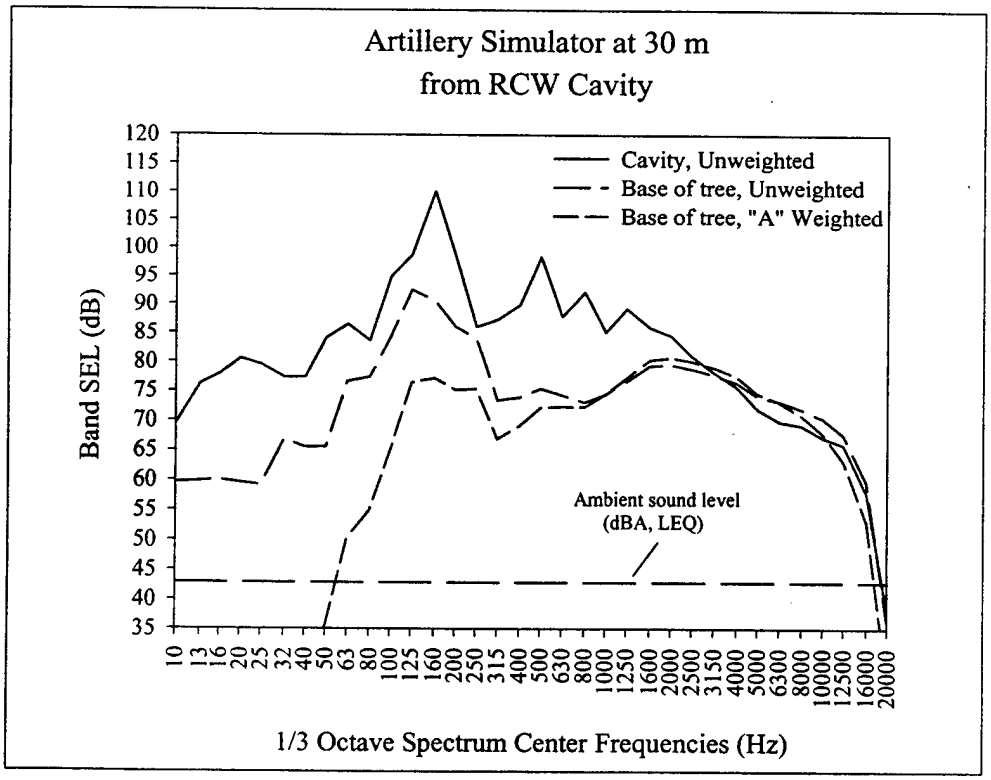

Figure C 2. SEL weighting comparison for experimental artillery simulator blast at cluster 47 on June 5, 2000.

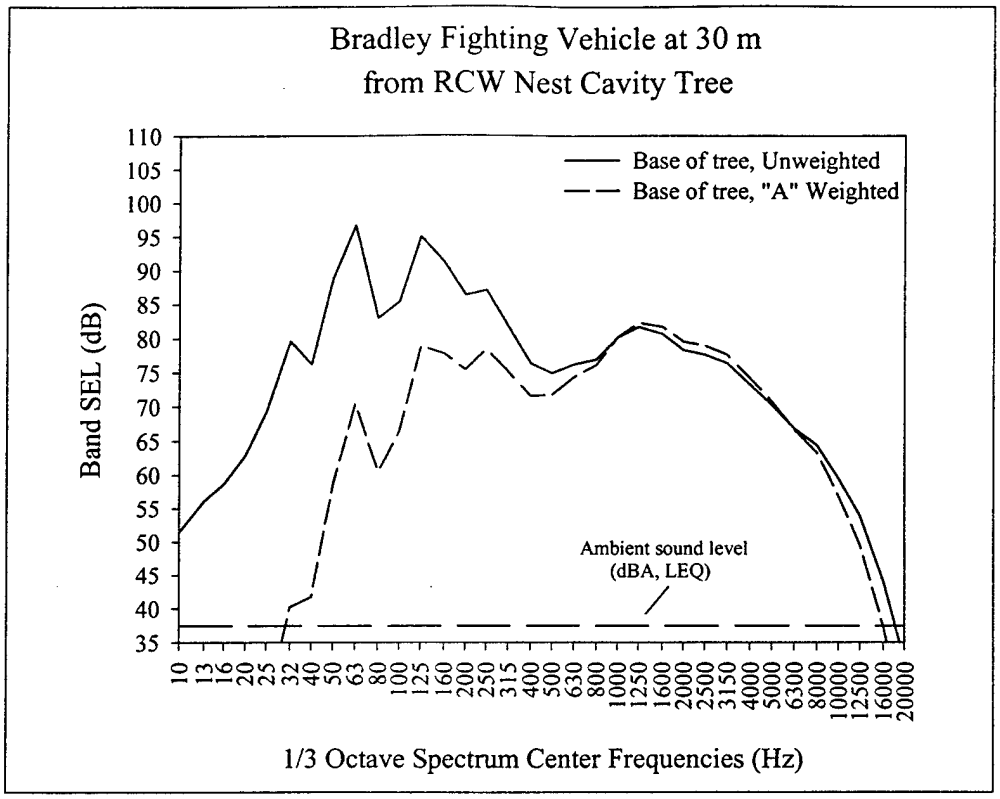

Figure C 3. SEL weighting comparison for a passive military vehicle noise event at cluster 216 on May 8, 2000. This event elicited a flush response by the attending adult.

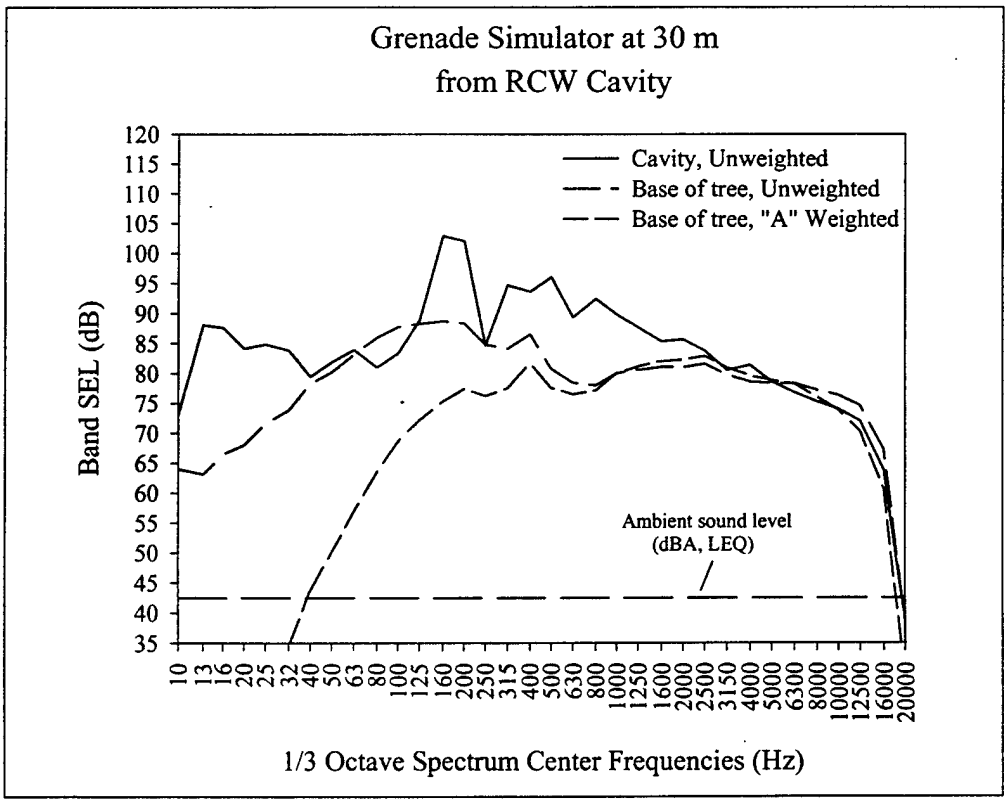

Figure C 4. SEL weighting comparison of a passive grenade simulator blast at cluster 221 on June 23, 2000.

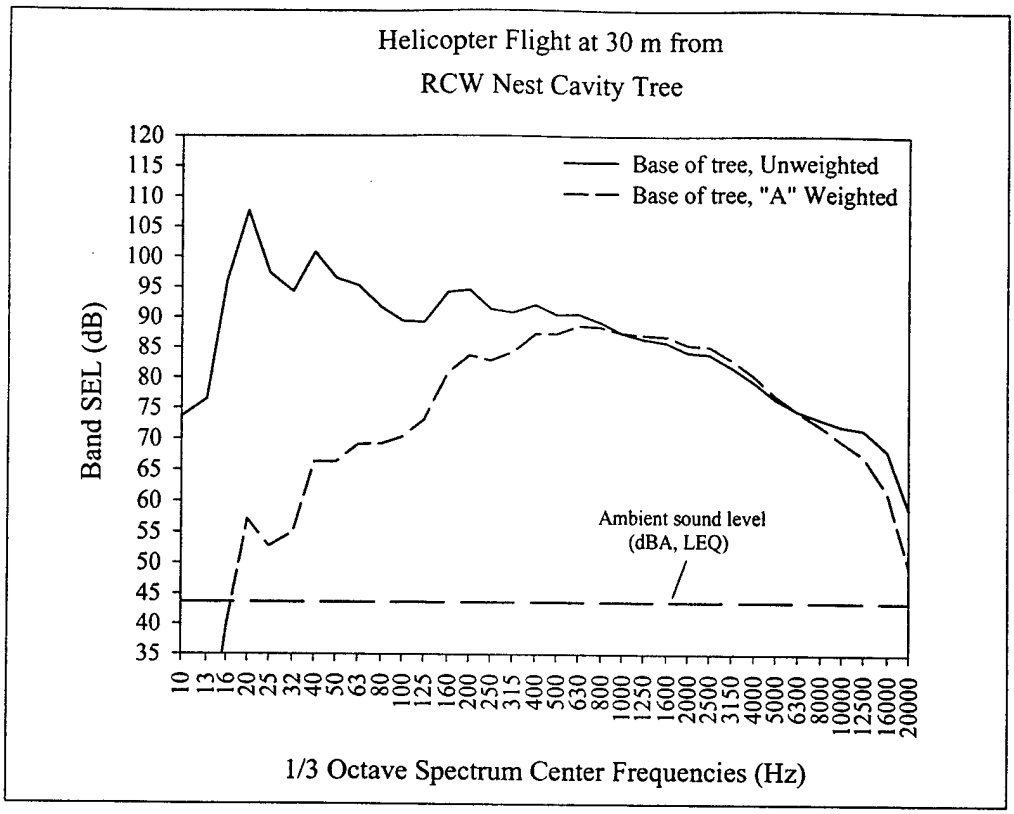

Figure C 5. SEL weighting comparison for a passive helicopter flight at cluster 206 on May 25, 2000.

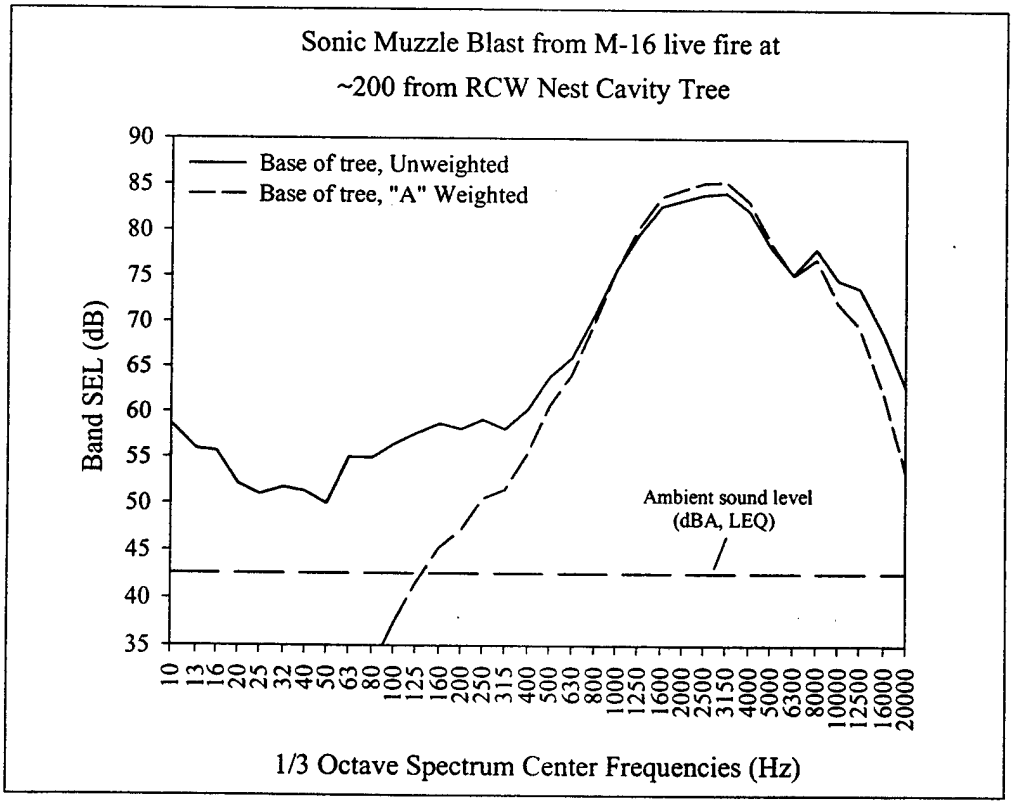

Figure C 6. SEL weighting comparison for passive M-16 live fire at cluster 103 on May 6, 2000.

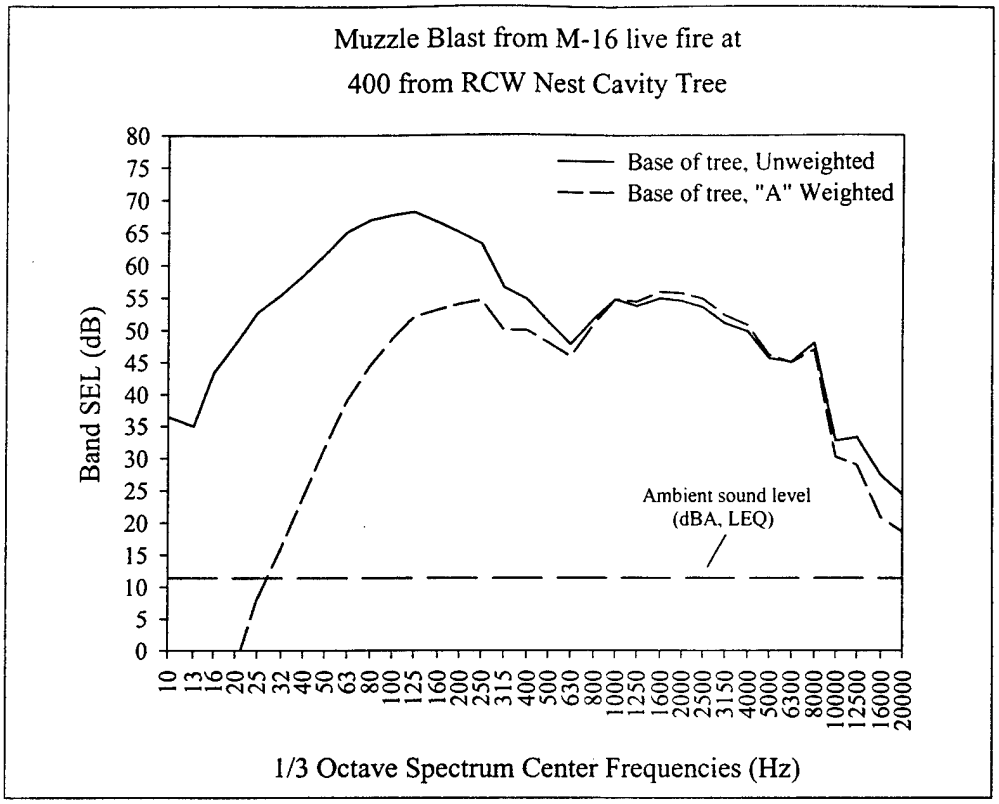

Figure C 7. SEL weighting comparison for passive M-16 live muzzle fire at cluster 103 on May 6, 2000.

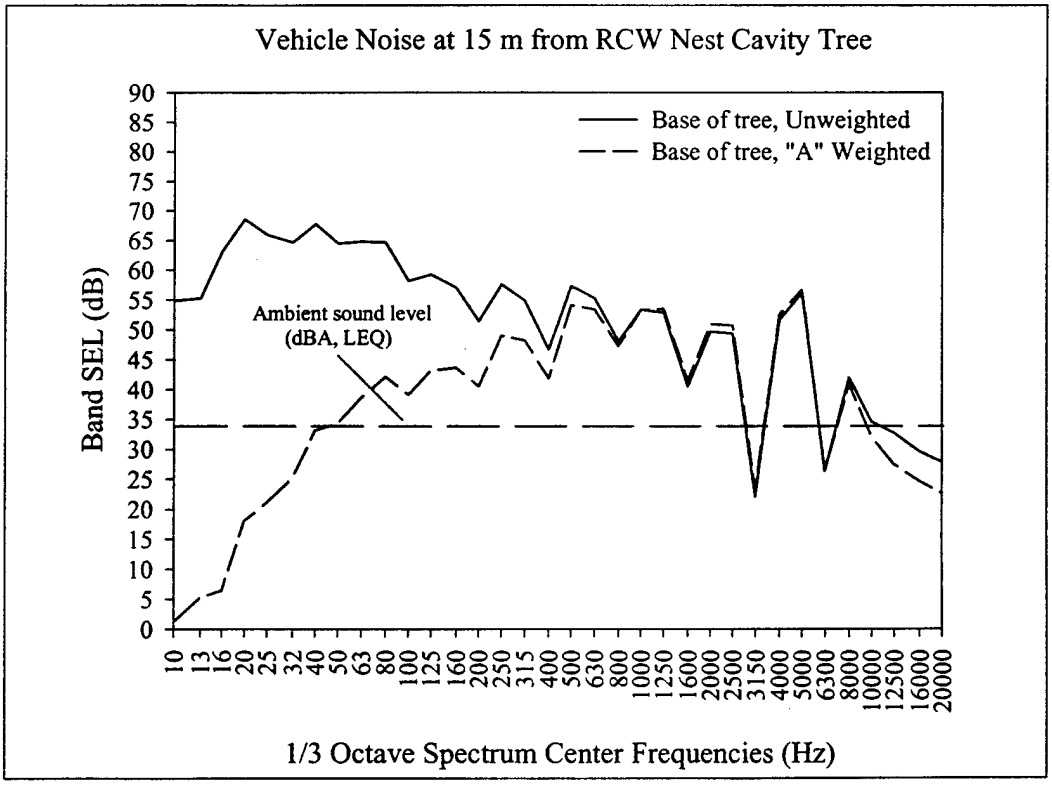

Figure C 8. SEL weighting comparison for passive vehicle noise at cluster 23 on May 16, 2000.

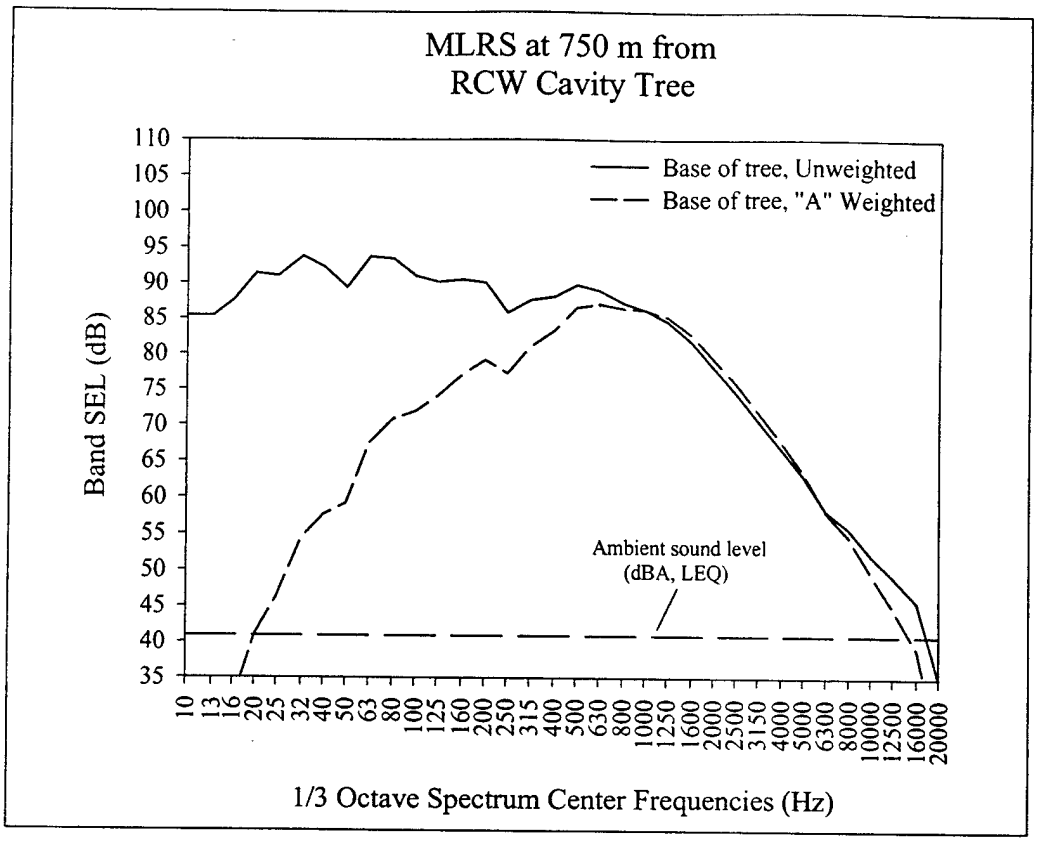

Figure C 9. SEL weighting comparison for passive MLRS fire at cluster 88 on April 13, 2000. MLRS firing occurred during the pre-nesting phase for the RCW.

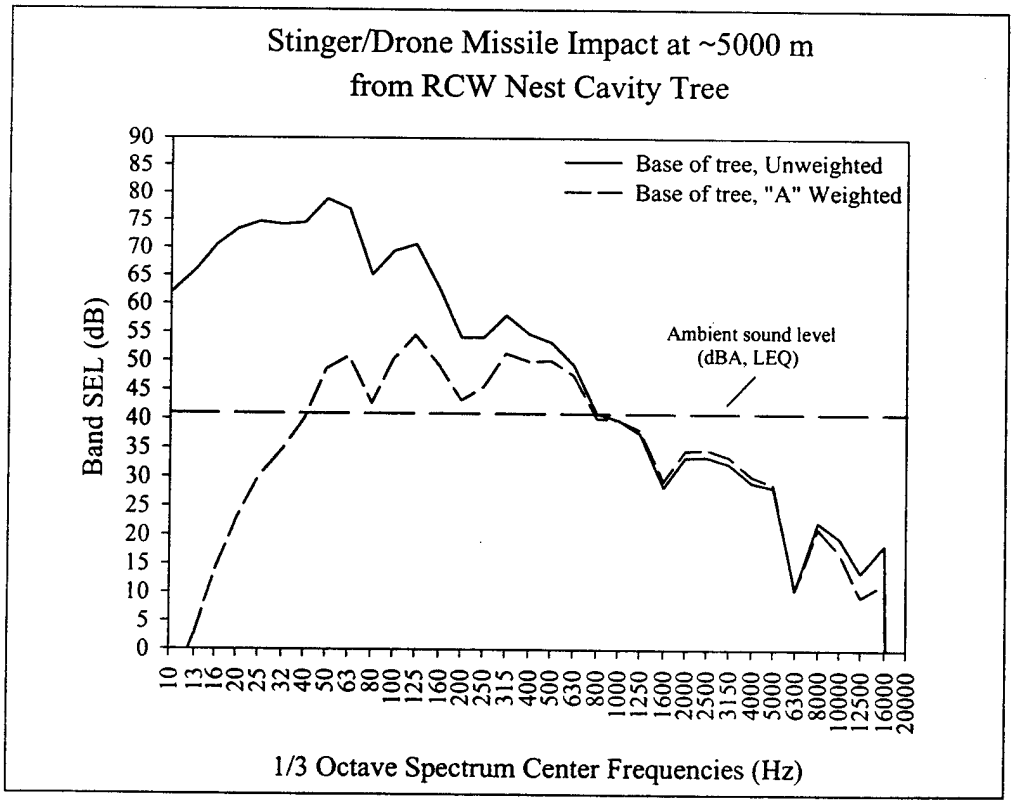

Figure C 10. SEL weighting comparison for passive Stinger/Drone Missile impact at cluster 83 on May 16, 2000.

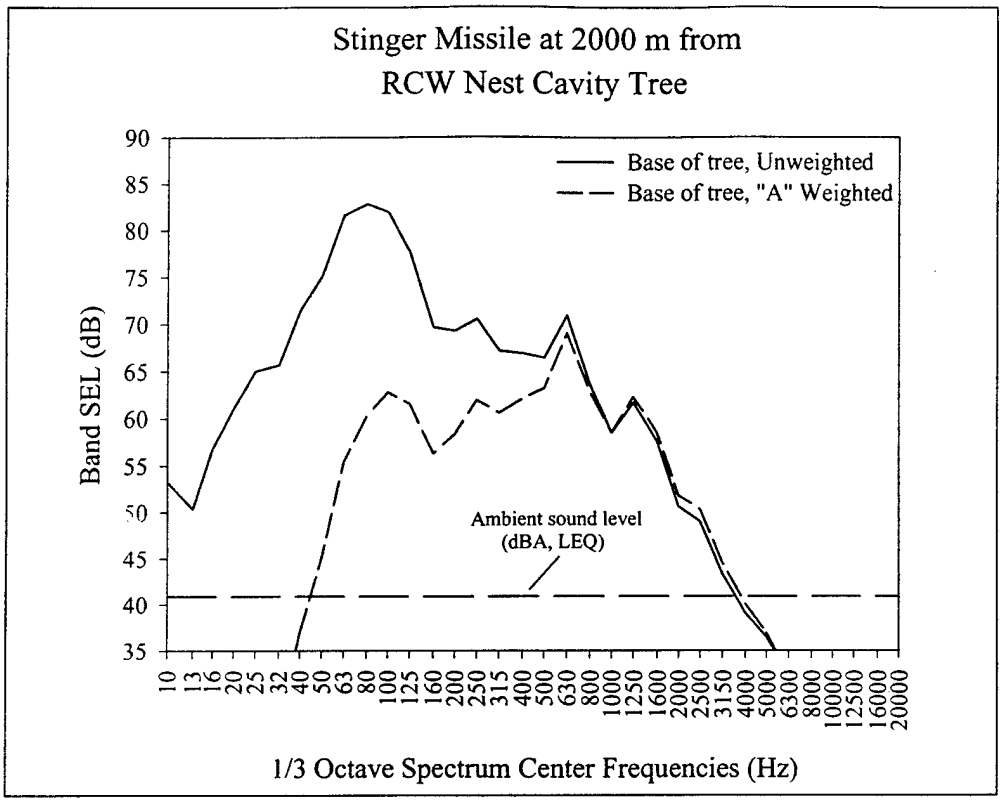

Figure C 11. SEL weighting comparison of passive Stinger Missile fire at cluster 83 on May 16, 2000.

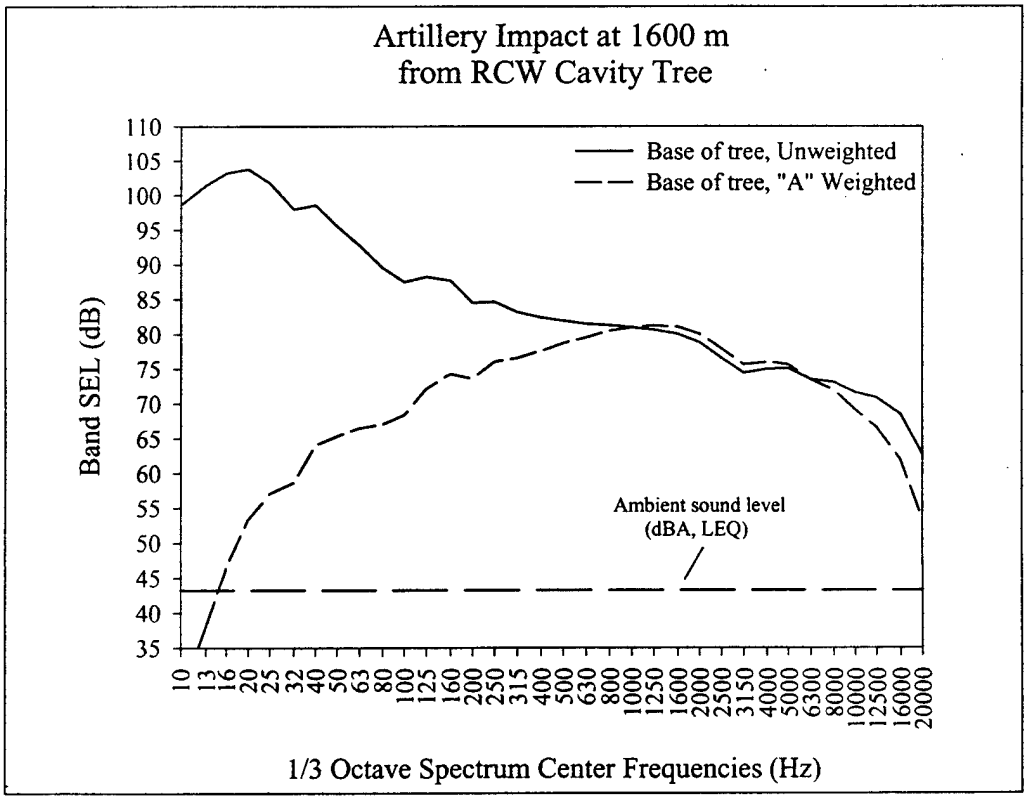

Figure C 12. SEL weighting comparison for passive artillery impact noise at cluster 39 on June 16, 2000.

Appendix D: Detailed Noise Event and RCW Response Data

Table. D 1. Summary data for experimental artillery simulator blast noise on Fort Stewart, GA, 2000. RCW response 0 = no visible response, 1 = alert to cavity mouth, and 2 = flush from cavity.

Cluster	Date	Nesting Phase and Day	Event Type	Event Dist. (m)	RCW Response	Recovery time (min)	Remarks	Mic Pos.	File #	Spec. #	SEL (dB) at mic Flat	SEL (dB) at mic A
1	03-May-00	I-5	Art Sim.	30	2	2		Base	T1181	6	99.9	87.2
1	19-May-00	I-4	Art Sim.	60	2	1.583		Base	T1465	6	81.3	80.3
1	23-May-00	I-8	Art. Sim	90	2	1.567		Base	T990	7	73.7	72.2
1	25-May-00	I-10	Art. Sim	120	1			Base	T1052	7	73.2	70.5
2	06-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1012	8	92.0	90.8
2	06-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1013	6	98.8	97.0
2	06-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1014	8	108.4	99.2
2	06-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1015	6	109.2	102.6
2	06-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1020	5	85.1	84.5
2	06-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1022	6	103.3	93.7
2	06-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1024	8	98.8	96.1
2	06-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1025	8	89.1	88.3
2	06-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1026	7	105.5	98.9
2	06-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1027	8	100.0	92.6
2	06-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1028	8	101.7	90.1
2	06-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1031	8	86.7	83.9
6	05-May-00	I-5	Art. Sim	60	2	3.717		Base	T873	5	100.7	82.6
6	05-May-00	I-5	Art. Sim	60	2	3.717		Base	T976	7	87.7	73.3
6	09-May-00	I-9	Art. Sim	120	0			Base	T585	11	83.9	70.4
6	09-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1616	3	90.4	87.2
6	09-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1617	4	103.1	91.8
6	09-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1619	7	98.4	85.5
6	09-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1622	7	80.3	75.6
6	09-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Base	T1625	5	76.3	72.9
6	09-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Cav	T1627	5	96.4	83.9
6	09-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1628	6	105.5	92.9
6	09-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1629	6	83.8	78.6
6	09-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1631	6	78.4	74.5
6	09-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1634	6	101.3	87.9
6	09-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Cav	T1636	7	97.9	84.2

6	09-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Base	T1638	7	73.2	68.7
12	09-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1640	2	91.4	88.3
12	09-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1641	3	104.8	93.6
12	09-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1642	7	97.7	82.4
12	09-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1644	7	78.7	74.6
12	09-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1647	6	77.6	75.2
12	09-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1650	6	101.2	86.4
23	30-May-00	I-2	Art. Sim	45	2	10.433		Base	T1053	8	86.3	82.0
32	22-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1753	3	101.4	94.4
32	22-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Cav	T1754	3	107.7	100.9
32	22-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Cav	T1755	3	110.5	100.2
32	22-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Base	T1757	3	99.0	90.1
36	12-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1928	3	91.8	76.4
36	12-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1930	3	96.6	82.4
36	12-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1936	3	93.9	74.6
36	12-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1938	3	93.6	76.4
36	12-Jun-00	Post-fledgling	Art. Sim	75			Extrapolation	Cav	T1939	3	96.2	82.0
36	12-Jun-00	Post-fledgling	Art. Sim	75			Extrapolation	Base	T1941	3	95.1	76.9
36	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1943	3	97.4	87.7
36	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1945	3	99.8	90.5
41	11-May-00	I-2	Art. Sim	30	2	1.35		Base	T1055	6	99.7	84.3
41	16-May-00	I-4	Art Sim.	60	1			Base	T1149	5	97.6	80.6
41	02-Jun-00	I-1	Art Sim.	45	1			Base	T1269	6	82.0	80.3
42	31-May-00	Post-fledgling	Art Sim.	90			Extrapolation	Cav	T1404	5	100.9	90.8
42	31-May-00	Post-fledgling	Art Sim.	90			Extrapolation	Base	T1405	5	82.0	80.9
42	31-May-00	Post-fledgling	Art Sim.	120			Extrapolation	Base	T1407	7	73.8	72.8
42	31-May-00	Post-fledgling	Art Sim.	120			Extrapolation	Cav	T1410	7	93.7	81.2
42	31-May-00	Post-fledgling	Art Sim.	90			Extrapolation	Base	T1412	7	76.6	72.6
42	31-May-00	Post-fledgling	Art Sim.	90			Extrapolation	Cav	T1413	7	95.3	73.9
42	31-May-00	Post-fledgling	Art Sim.	120			Extrapolation	Cav	T1415	7	90.7	70.9
42	31-May-00	Post-fledgling	Art Sim.	120			Extrapolation	Base	T1418	7	74.5	72.1
47	05-Jun-00	Post-fledgling	Art Sim.	15			Extrapolation: low powder blast	Base	T1270	7	97.5	94.5
47	05-Jun-00	Post-fledgling	Art Sim.	30			Extrapolation: low powder blast	Base	T1271	6	96.7	89.3
47	05-Jun-00	Post-fledgling	Art Sim.	45			Extrapolation: low powder blast	Base	T1272	6	86.8	86.0
47	05-Jun-00	Post-fledgling	Art Sim.	15			Extrapolation: low powder blast	Cav	T1273	7	105.9	96.3
47	05-Jun-00	Post-fledgling	Art Sim.	30			Extrapolation: low powder blast	Cav	T1274	7	111.3	101.3
47	05-Jun-00	Post-fledgling	Art Sim.	45			Extrapolation: low powder blast	Cav	T1275	6	106.5	94.8
47	05-Jun-00	Post-fledgling	Art Sim.	15			Extrapolation: low powder blast	Base	T1282	4	95.2	93.4
47	05-Jun-00	Post-fledgling	Art Sim.	30			Extrapolation: low powder blast	Base	T1283	5	91.5	88.4
47	05-Jun-00	Post-fledgling	Art Sim.	45			Extrapolation: low powder blast	Base	T1284	5	88.4	87.0

47	05-Jun-00	Post-fledgling	Art Sim.	15			Extrapolation: low powder blast	Cav	T1285	4	107.8	101.6
47	05-Jun-00	Post-fledgling	Art Sim.	30			Extrapolation: low powder blast	Cav	T1286	6	105.9	98.3
47	05-Jun-00	Post-fledgling	Art Sim.	45			Extrapolation: low powder blast	Cav	T1287	5	102.5	93.5
51	18-May-00	I-9	Art. Sim	30	2	2.383		Base	T840	10	100.4	84.9
51	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Cav	T1737	3	106.3	98.8
51	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1738	3	99.8	93.0
51	21-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Base	T1740	3	98.3	84.0
51	21-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Cav	T1742	3	105.9	95.3
51	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1745	3	99.9	93.3
51	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Cav	T1746	3	106.0	99.0
51	21-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Cav	T1748	3	109.2	99.5
51	21-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Base	T1750	3	99.0	90.1
53	17-May-00	I-5	Art. Sim	30	2	8.05		Base	T560	14	99.1	83.6
57	28-Apr-00	N-0	Art. Sim	75	2	0.733		Base	T680	4	96.5	82.3
57	31-May-00	Post-fledgling	Art Sim.	60			Extrapolation	Base	T1380	7	88.2	83.1
57	31-May-00	Post-fledgling	Art Sim.	75			Extrapolation	Base	T1381	7	78.0	76.2
57	31-May-00	Post-fledgling	Art Sim.	60			Extrapolation	Cav	T1382	7	101.5	91.0
57	31-May-00	Post-fledgling	Art Sim.	75			Extrapolation	Cav	T1383	7	97.6	79.5
57	31-May-00	Post-fledgling	Art Sim.	90			Extrapolation	Cav	T1386	8	95.0	83.6
57	31-May-00	Post-fledgling	Art Sim.	90			Extrapolation	Base	T1389	8	76.9	74.4
57	31-May-00	Post-fledgling	Art Sim.	60			Extrapolation	Base	T1390	7	81.1	78.2
57	31-May-00	Post-fledgling	Art Sim.	75			Extrapolation	Base	T1391	7	77.0	74.4
57	31-May-00	Post-fledgling	Art Sim.	60			Extrapolation	Cav	T1392	7	102.2	88.4
57	31-May-00	Post-fledgling	Art Sim.	75			Extrapolation	Cav	T1393	7	103.3	88.9
57	31-May-00	Post-fledgling	Art Sim.	90			Extrapolation	Cav	T1398	7	102.9	90.3
57	31-May-00	Post-fledgling	Art Sim.	90			Extrapolation	Base	T1401	7	80.2	75.4
62	08-May-00	I-10	Art. Sim	120	1			Base	T983	8	73.4	72.3
62	11-May-00	N-2	Art. Sim	60	2	3.5		Base	T1061	7	86.0	84.2
62	15-May-00	N-6	Art. Sim	90			No birds	Base	T987	7	78.2	77.1
62	15-May-00	N-6	Art. Sim	90	1			Base	T988	7	74.7	74.2
62	08-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1582	6	84.4	80.8
62	08-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1583	7	108.0	99.4
62	08-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1585	7	107.6	97.6
62	08-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1588	7	82.8	80.0
62	08-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1592	7	81.6	79.3
62	08-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1593	7	99.2	88.8
62	08-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1595	7	97.7	85.7
62	08-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1598	7	78.5	74.6
62	08-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Base	T1600	3	74.1	72.2
62	08-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Cav	T1602	3	94.1	80.5

71	12-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1947	2	100.9	86.7
71	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1949	3	98.3	84.1
71	12-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1950	3	101.3	85.9
71	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1952	3	99.2	83.2
71	12-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1954	2	101.9	86.1
71	12-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1956	2	98.0	83.6
71	12-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1959	2	100.7	88.7
71	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1961	3	99.7	86.6
71	12-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1963	2	109.3	100.1
71	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1965	2	110.2	101.6
71	12-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1967	2	102.4	91.2
71	12-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1969	2	93.9	75.7
75	09-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1915	6	98.0	86.4
75	09-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1916	6	108.4	100.5
75	09-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1917	4	107.7	98.4
75	09-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1919	4	93.6	82.8
75	09-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1921	7	97.9	81.6
75	09-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1923	7	108.0	98.4
80	12-May-00	I-7	Art. Sim	60	2	3.683		Base	T1071	7	95.6	81.0
80	16-May-00	N-0	Art. Sim	90	1			Base	T594	5	85.2	82.2
80	19-May-00	N-3	Art Sim.	75	0			Base	T1466	7	73.7	71.6
80	15-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T920	7	90.2	75.5
80	15-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T921	7	99.7	88.3
80	15-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T924	6	94.5	77.2
80	15-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T925	6	100.2	89.3
81	05-May-00	I-9	Art. Sim	15	2	0.8		Base	T977	13	101.1	88.0
83	01-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1803	8	99.7	86.8
83	01-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1804	7	105.8	93.7
83	01-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1806	7	106.5	93.3
83	01-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1808	7	98.7	83.6
83	01-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1811	8	102.7	89.8
83	01-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1812	8	105.6	95.0
86	01-May-00	N-0	Art. Sim	60	2	8.167		Base	T551	7	97.8	81.5
86	06-Jun-00	Post-fledgling	Art Sim.	60			Extrapolation	Base	T1294	6	86.1	81.1
86	06-Jun-00	Post-fledgling	Art Sim.	60			Extrapolation	Cav	T1295	6	108.2	98.2
86	06-Jun-00	Post-fledgling	Art Sim.	90			Extrapolation	Cav	T1297	7	103.0	93.0
86	06-Jun-00	Post-fledgling	Art Sim.	90			Extrapolation	Base	T1299	7	79.7	76.1
86	06-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Base	T1301	7	73.9	70.9
86	06-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Cav	T1304	7	93.7	82.4
86	06-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Cav	T1306	7	98.6	92.3

86	06-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Base	T1307	7	72.5	71.3
86	06-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Base	T1308	7	75.3	73.1
86	06-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Cav	T1309	7	97.8	91.9
86	06-Jun-00	Post-fledgling	Art Sim.	90			Extrapolation	Cav	T1311	2	91.2	85.6
86	06-Jun-00	Post-fledgling	Art Sim.	90			Extrapolation	Base	T1314	2	74.3	73.2
88	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1712	7	86.4	82.3
88	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1713	8	103.3	90.8
88	13-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1714	6	80.5	75.4
88	13-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1716	6	103.9	90.7
88	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1720	7	92.5	84.5
88	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1721	7	108.3	100.1
107	09-Jun-00	Post-fledgling	Art. Sim	45			Extrapolation	Base	T1899	4	95.4	83.0
107	09-Jun-00	Post-fledgling	Art. Sim	45			Extrapolation	Base	T1900	6	98.1	81.4
107	09-Jun-00	Post-fledgling	Art. Sim	45			Extrapolation	Cav	T1901	4	103.5	94.3
107	09-Jun-00	Post-fledgling	Art. Sim	45			Extrapolation	Cav	T1902	6	103.5	94.0
107	09-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1903	4	103.9	95.0
107	09-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1905	4	94.3	83.1
107	09-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1907	7	97.0	75.7
107	09-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1909	7	98.0	84.1
120	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1723	3	98.5	90.0
120	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Cav	T1724	3	107.8	100.8
120	21-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Cav	T1726	3	106.8	97.1
120	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1728	3	99.5	86.5
120	21-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Base	T1733	2	99.2	90.8
120	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1734	3	101.0	92.7
120	21-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Cav	T1735	2	101.7	91.7
120	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Cav	T1736	3	103.2	94.3
126	11-May-00	I-7	Art. Sim	30	0			Base	T984	7	87.0	82.9
126	15-May-00	N-0	Art. Sim	15	2	11.333		Base	T880	7	103.6	89.5
126	13-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1688	7	98.2	96.2
126	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1689	7	92.4	87.8
126	13-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1690	7	107.8	99.2
126	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1691	7	106.3	94.2
126	13-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1692	6	99.2	86.2
126	13-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1695	6	80.4	76.6
126	13-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1700	7	97.1	90.3
126	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1701	3	91.7	87.3
126	13-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1702	8	106.9	98.6
126	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1703	3	109.3	99.7
126	13-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1704	6	106.1	94.7

126	13-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1707	6	84.9	80.0
136	03-May-00	I-4	Art Sim.	30	1			Base	T1165	5	98.4	81.8
136	08-May-00	I-9	Art Sim.	15	2	4.517		Base	T1183	6	92.7	90.7
136	08-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1871	5	98.7	84.5
136	08-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1872	8	102.4	89.9
136	08-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1873	5	102.0	91.8
136	08-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1874	8	107.8	99.0
136	08-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1877	8	95.9	85.9
136	08-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1880	8	87.8	74.4
137	21-Apr-00	I-1	Art. Sim	45	0			Base	T1057	7	98.7	78.3
137	24-Apr-00	I-4	Art Sim.	30	2	3.55		Base	T1148	7	99.7	82.8
137	31-May-00	Post-fledgling	Art. Sim	45			Extrapolation	Cav	T1791	8	102.3	88.7
137	31-May-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1792	4	102.3	89.3
137	31-May-00	Post-fledgling	Art. Sim	45			Extrapolation	Base	T1793	8	98.6	81.2
137	31-May-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1794	4	98.0	86.2
137	31-May-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1799	4	105.2	96.8
137	31-May-00	Post-fledgling	Art. Sim	45			Extrapolation	Cav	T1800	7	103.8	94.8
137	31-May-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1801	5	97.3	85.6
137	31-May-00	Post-fledgling	Art. Sim	45			Extrapolation	Base	T1802	7	96.4	80.8
139	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1652	8	90.7	87.6
139	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1653	8	107.5	97.9
139	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1655	7	106.7	96.8
139	12-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1657	7	82.5	79.5
139	12-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1659	7	82.1	75.4
139	12-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1662	7	108.5	98.7
139	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1664	8	90.9	85.0
139	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1665	8	99.3	90.9
139	12-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1667	7	99.2	89.4
139	12-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1669	7	82.7	79.5
139	12-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1671	6	78.5	76.5
139	12-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1674	6	95.9	81.0
148	12-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1676	8	89.8	87.2
148	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1677	7	88.9	84.7
148	12-Jun-00	Post-fledgling	Art. Sim	45			Extrapolation	Base	T1678	4	88.9	85.9
148	12-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1679	8	105.9	95.5
148	12-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1680	7	103.7	92.2
148	12-Jun-00	Post-fledgling	Art. Sim	45			Extrapolation	Cav	T1681	5	106.5	94.6
159	24-Apr-00	I-4	Art. Sim	30	2	2.4		Base	T561	11	101.6	90.5
159	30-May-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T889	5	108.5	97.5
159	30-May-00	Post-fledgling	Art. Sim	45			Extrapolation	Cav	T890	6	111.8	102.1

159	30-May-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T891	5	100.2	87.1
159	30-May-00	Post-fledgling	Art. Sim	45			Extrapolation	Base	T892	6	101.6	89.2
163	07-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1847	8	101.8	87.8
163	07-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1848	8	100.6	87.6
163	07-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1849	8	109.2	98.7
163	07-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1850	8	109.0	98.1
163	07-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1851	8	107.9	95.7
163	07-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1853	8	97.9	81.8
163	07-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1859	7	100.2	84.9
163	07-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1860	4	101.7	95.8
163	07-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1861	7	107.3	97.3
163	07-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1862	4	107.1	100.9
163	07-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1865	4	105.1	94.9
163	07-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1868	4	93.5	81.4
177	15-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T934	7	96.8	77.6
177	15-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T937	7	103.0	92.5
177	15-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T942	6	100.6	90.5
177	15-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T945	6	92.4	77.1
179	26-Apr-00	I-5	Art. Sim	60	0			Base	T787	13	98.2	84.3
179	03-May-00	N-0	Art Sim.	30	2	6.583		Base	T1167	7	99.7	89.2
183	21-Apr-00	I-4	Art Sim.	30	2	1.667		Base	T1150	7	100.3	89.4
183	25-Apr-00	I-8	Art. Sim	60	2	1.583		Base	T553	4	96.7	80.0
183	28-Apr-00	I-2	Art. Sim	90	0			Base	T951	7	93.4	74.9
183	01-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1428	6	86.7	83.8
183	01-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1429	6	103.0	91.7
183	01-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1431	6	98.3	85.4
183	01-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1433	6	78.5	74.9
183	01-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1435	7	74.0	71.7
183	01-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1437	7	92.4	76.7
183	01-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1442	3	85.6	64.8
183	01-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1444	3	71.8	72.2
183	01-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1446	6	76.2	75.6
183	01-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1448	6	96.0	75.4
183	01-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1450	7	102.2	87.3
183	01-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1451	7	87.2	84.8
184	23-May-00	I-10	Art.Sim	90	1			Base	T1010	8	89.3	71.1
184	25-May-00	N-1	Art Sim.	30	2	2.2		Base	T1161	5	97.5	86.8
194	01-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1819	9	101.4	88.5
194	01-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1820	6	102.8	89.3
194	01-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1821	9	111.3	99.4

194	01-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1822	6	111.9	101.8
194	01-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1831	7	107.9	101.2
194	01-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1833	7	102.1	87.5
194	01-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1834	7	99.5	85.9
197	17-May-00	I-2	Art. Sim	45	0			Base	T1058	5	87.5	86.9
198	21-Apr-00	I-2	Art. Sim	45	2	0.883		Base	T580	6	100.2	83.9
198	25-Apr-00	I-6	Art. Sim	60	0			Base	T1083	5	87.7	79.4
198	30-May-00	Post-fledgling	Art. Sim	45			Extrapolation	Base	T899	5	98.6	82.6
198	30-May-00	Post-fledgling	Art. Sim	45			Extrapolation	Cav	T900	4	102.2	89.8
198	30-May-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T902	6	105.7	94.5
198	30-May-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T904	6	97.2	81.5
201	21-Jun-00	Post-fledgling	Art Sim.	60			Extrapolation	Base	T1518	2	94.8	89.4
201	21-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Cav	T1519	2	107.6	100.7
201	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1524	1	107.1	100.9
201	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Cav	T1525	2	113.1	107.0
201	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Cav	T1526	2	108.8	101.5
201	21-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1527	2	96.7	93.2
201	21-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Base	T1528	3	72.8	65.6
201	21-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Cav	T1529	3	79.4	71.4
205	06-Jun-00	Post-fledgling	Art. Sim	75			Extrapolation	Base	T1036	7	83.7	82.1
205	06-Jun-00	Post-fledgling	Art. Sim	75			Extrapolation	Cav	T1037	6	108.8	97.3
205	06-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1039	7	103.0	92.0
205	06-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1042	6	76.9	75.8
205	06-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Base	T1044	7	75.9	74.3
205	06-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Cav	T1046	7	99.2	88.1
205	06-Jun-00	Post-fledgling	Art Sim.	75			Extrapolation	Cav	T1318	3	105.1	93.4
205	06-Jun-00	Post-fledgling	Art Sim.	75			Extrapolation	Base	T1319	3	80.1	79.0
205	06-Jun-00	Post-fledgling	Art Sim.	90			Extrapolation	Base	T1321	3	80.1	79.3
205	06-Jun-00	Post-fledgling	Art Sim.	90			Extrapolation	Cav	T1324	3	99.5	89.0
205	06-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Cav	T1326	7	95.6	83.4
205	06-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Base	T1328	6	77.5	75.7
206	10-May-00	I-9	Art. Sim	45	2	15.867		Base	T592	7	86.8	83.7
206	25-May-00	I-3	Art. Sim	120	0		No birds	Base	T522	8	85.0	65.9
206	25-May-00	I-3	Art. Sim	120	0			Base	T528	7	89.6	70.2
206	30-May-00	I-8	Art. Sim	150	1			Base	T1054	4	73.9	71.7
207	07-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1835	8	99.0	84.8
207	07-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1836	8	101.7	89.6
207	07-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1838	6	102.5	89.7
207	07-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1840	6	98.0	80.7
207	07-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1842	7	93.8	74.1

207	07-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1844	7	98.0	82.1
216	01-Jun-00	Post-fledgling	Art Sim.	90			Extrapolation	Base	T1420	7	78.9	77.5
216	01-Jun-00	Post-fledgling	Art Sim.	90			Extrapolation	Cav	T1421	7	100.2	86.8
216	01-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Cav	T1423	7	96.4	83.3
216	01-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Base	T1426	7	77.3	74.5
216	01-Jun-00	Post-fledgling	Art Sim.	90			Extrapolation	Base	T1454	7	72.8	72.3
216	01-Jun-00	Post-fledgling	Art Sim.	90			Extrapolation	Cav	T1455	7	95.2	84.2
216	01-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Cav	T1457	8	93.6	83.0
216	01-Jun-00	Post-fledgling	Art Sim.	120			Extrapolation	Base	T1460	8	71.3	71.0
218	08-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1604	7	90.5	85.0
218	08-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1605	7	103.3	92.9
218	08-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1607	7	98.8	87.5
218	08-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1609	7	82.2	77.7
218	08-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1611	8	76.6	73.7
218	08-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1614	8	94.7	80.8
221	18-May-00	I-4	Art. Sim	30	2	3.8		Base	T985	6	88.9	88.1
221	22-May-00	I-7	Art Sim.	60	1			Base	T1164	8	80.7	78.3
221	24-May-00	I-10	Art. Sim	45	0			Base	T1011	8	80.3	77.5
221	23-Jun-00	Post-fledgling	G.S.	30			Extrapolation	Base	T1370	2	97.6	92.3
221	23-Jun-00	Post-fledgling	G.S.	30			Extrapolation	Cav	T1371	2	107.3	100.4
221	23-Jun-00	Post-fledgling	G.S.	60			Extrapolation	Cav	T1372	2	108.3	98.4
221	23-Jun-00	Post-fledgling	G.S.	60			Extrapolation	Base	T1374	1	91.8	89.1
222	08-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1883	7	98.9	87.9
222	08-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1884	8	101.6	89.7
222	08-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1885	7	108.0	99.8
222	08-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1886	8	107.2	98.6
222	08-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1887	8	104.7	94.0
222	08-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1890	8	96.9	80.0
227	25-Apr-00	I-3	Art. Sim	30	0			Base	T992	8	101.0	85.9
227	15-Jun-00	Post-fledgling	Art Sim.	60			Extrapolation	Cav	T1496	6	99.7	86.9
227	15-Jun-00	Post-fledgling	Art Sim.	60			Extrapolation	Base	T1498	6	81.9	78.1
227	15-Jun-00	Post-fledgling	Art Sim.	30			Extrapolation	Base	T1500	4	93.7	91.1
227	15-Jun-00	Post-fledgling	Art Sim.	30			Extrapolation	Cav	T1501	4	105.2	94.7
227	15-Jun-00	Post-fledgling	Art Sim.	30			Extrapolation	Cav	T1502	5	105.6	94.2
227	15-Jun-00	Post-fledgling	Art Sim.	30			Extrapolation	Base	T1503	5	90.8	87.4
227	15-Jun-00	Post-fledgling	Art Sim.	60			Extrapolation	Base	T1504	3	82.9	79.1
227	15-Jun-00	Post-fledgling	Art Sim.	60			Extrapolation	Cav	T1506	3	101.7	88.3
228	07-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1534	7	78.1	74.6
228	07-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1536	7	95.2	79.6
228	07-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Cav	T1538	7	93.3	74.8

228	07-Jun-00	Post-fledgling	Art. Sim	150			Extrapolation	Cav	T1540	6	86.8	68.3
228	07-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Base	T1542	7	71.8	67.2
228	07-Jun-00	Post-fledgling	Art. Sim	150			Extrapolation	Base	T1544	6	68.1	64.0
228	07-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Base	T1547	7	82.3	79.0
228	07-Jun-00	Post-fledgling	Art. Sim	90			Extrapolation	Cav	T1549	7	102.2	90.7
228	07-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Cav	T1550	7	92.2	71.8
228	07-Jun-00	Post-fledgling	Art. Sim	150			Extrapolation	Cav	T1552	7	93.1	75.9
228	07-Jun-00	Post-fledgling	Art. Sim	120			Extrapolation	Base	T1554	7	71.8	63.6
228	07-Jun-00	Post-fledgling	Art. Sim	150			Extrapolation	Base	T1556	6	72.0	60.2
232	10-May-00	I-9	Art Sim.	60	0			Base	T1139	7	97.0	79.1
232	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1976	8	100.6	87.3
232	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1977	7	111.3	101.2
232	13-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1978	11	100.8	88.4
232	13-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1979	11	97.0	79.6
232	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1980	12	100.2	87.8
232	13-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1981	12	108.4	100.7
232	13-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1982	11	106.0	96.2
232	13-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1983	11	99.6	81.2
295	19-May-00	I-3	Art Sim.	90	1			Base	T1151	6	91.8	73.3
295	19-May-00	I-3	Art Sim.	0	0		Blast from Cluster 1	Base	T1152	4	67.0	51.7
295	23-May-00	I-7	Art. Sim	120	0			Base	T989	7	73.3	70.4
295	25-May-00	I-9	Art Sim.	30	2	4.367		Base	T1110	7	92.5	88.0
294/176	23-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1761	2	102.2	96.5
294/176	23-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Cav	T1762	2	106.8	99.5
294/176	23-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Cav	T1763	2	107.7	99.2
294/176	23-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Base	T1765	2	98.9	91.2
294/176	23-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1769	2	98.6	90.7
294/176	23-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Cav	T1770	2	107.4	101.1
294/176	23-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Cav	T1771	1	107.9	99.0
294/176	23-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Base	T1773	1	96.9	87.2
294/176	23-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Base	T1777	2	101.6	95.9
294/176	23-Jun-00	Post-fledgling	Grenade Sim	30			Extrapolation	Cav	T1778	2	106.3	99.9
294/176	23-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Cav	T1780	3	106.3	98.0
294/176	23-Jun-00	Post-fledgling	Grenade Sim	60			Extrapolation	Base	T1782	2	97.6	87.9
296	07-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Base	T1558	6	95.2	90.7
296	07-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Base	T1559	7	88.4	84.7
296	07-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation	Cav	T1560	6	106.3	98.4
296	07-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation	Cav	T1561	7	107.3	98.7
296	07-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Cav	T1562	3	105.4	95.2
296	07-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation	Base	T1565	3	80.3	77.1

296	07-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation: low powder blast	Base	T1570	7	94.5	89.8
296	07-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation: low powder blast	Base	T1571	7	90.6	85.1
296	07-Jun-00	Post-fledgling	Art. Sim	15			Extrapolation: low powder blast	Cav	T1572	7	106.1	94.4
296	07-Jun-00	Post-fledgling	Art. Sim	30			Extrapolation: low powder blast	Cav	T1573	7	107.8	95.1
296	07-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation: low powder blast	Cav	T1576	6	104.3	91.1
296	07-Jun-00	Post-fledgling	Art. Sim	60			Extrapolation: low powder blast	Base	T1579	6	83.1	80.7

Table D.2. Representative unweighted noise spectra for experimental artillery simulators on Fort Stewart, GA, 2000.

CL	Date	Event	Event	File	Band LEQ (1 sec) (dB) at 1/3 Octave Spectrum Center Frequencies (Hz)																																							Calc.
		Type	Dist.	#	10	13	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	Overall
			(m)																																							SEL
1	5/3	Art Sim.	30	T1181	76	80	83	86	87	89	90	90	90	90	87	86	89	91	84	81	82	79	77	78	72	71	72	72	70	69	68	66	65	63	61	58	51	30	100
1	5/19	Art Sim.	60	T1465	57		51	55	45	56	58	62	67	62	62	68	66	68	69	63	67	64	67	67	66	68	70	70	73	70	67	65	66	65	61	57	47	27	81
1	5/23	Art. Sim	90	T990		36	43	48	53	57	59	61	60	58	53	58	61	61	54	52	54	59	60	60	61	61	63	63	62	61	61	59	55	55	50	46	35	20	74
1	5/25	Art. Sim	120	T1052	36	38	43	47	47	48	53	57	58	57	63	65	64	62	52	47	48	52	55	57	58	60	62	61	61	58	58	58	56	51	49	43	32	18	73
2	6/6	Art. Sim	30	T1012	64	57	63	59	59	68	72	76	78	78	77	77	78	77	77	73	73	74	76	81	82	79	79	79	83	79	78	77	76	75	73	71	63	41	92
2	6/6	Art. Sim	15	T1013	73	72	72	74	75	77	79	81	81	81	76	73	79	88	91	85	83	81	81	83	83	84	88	89	86	84	84	83	84	82	82	81	74	48	99
2	6/6	Art. Sim	30	T1014	59	64	71	75	76	77	80	82	82	84	85	87	103	106	84	80	83	95	86	86	87	84	81	85	82	75	72	69	66	62	60	58	50		108
2	6/6	Art. Sim	15	T1015	71	82	81	87	86	86	83	79	80	82	79	85	102	106	86	95	98	97	90	93	92	89	86	92	89	82	81	79	77	76	74	73	67	45	109
2	6/6	Art. Sim	60	T1020	40	45	54	53	54	57	60	64	65	70	73	72	69	70	70	63	63	66	67	71	73	74	75	76	75	73	72	70	69	68	65	62	53	33	85
2	6/6	Art. Sim	60	T1022	71	71	71	74	70	70	71	72	74	76	79	84	97	102	82	74	74	89	83	79	81	78	75	76	76	69	66	63	59	57	55	52	50	48	103
2	6/6	Art. Sim	15	T1024	85	85	85	84	84	83	82	80	80	84	86	86	79	73	78	81	82	85	87	85	81	83	83	85	85	84	84	85	84	84	84	82	75	49	99
2	6/6	Art. Sim	30	T1025			61	59	64	65	70	72	73	73	67	68	73	71	73	72	74	73	74	76	80	78	78	76	77	75	76	76	76	76	74	72	65	40	89
2	6/6	Art. Sim	15	T1026		71	76	79	84	80	83	82	83	93	91	102	100	88	83	86	88	83	84	85	90	90	86	90	88	86	84	81	81	78	78	75	67	42	106
2	6/6	Art. Sim	30	T1027	75	80	82	85	87	88	91	90	87	88	83	88	93	83	82	78	75	73	75	81	88	84	77	80	80	77	76	73	72	70	66	61	53	34	100
2	6/6	Art. Sim	60	T1028	79	83	83	87	85	86	88	88	86	81	84	96	97	89	87	78	79	82	78	73	82	78	75	75	74	70	72	66	66	62	58	53	46	39	102
2	6/6	Art. Sim	60	T1031	54	56	59	59	61	66	70	73	74	68	69	77	77	75	71	73	75	70	70	71	70	73	74	73	73	72	72	72	70	69	66	64	54	32	87
6	5/5	Art. Sim	60	T873	77	82	85	87	87	84	82	92	97	93	87	77	85	80	75	72	72	73	71	69	69	70	70	69	70	69	68	66	66	66	63	60	52	40	101
6	5/5	Art. Sim	60	T976	65	69	73	74	74	68	75	81	83	79	75	71	71	71	68	63	64	63	65	63	62	62	63	61	61	60	57	56	53	50	45	39	29	16	88
6	5/9	Art. Sim	120	T585	63	66	68	71	72	73	75	76	75	71	67	73	74	69	64	55	58	61	59	58	61	58	59	58	58	58	53	50	46	40	33	25	24		84
6	6/9	Art. Sim	60	T1616			63	66	60	65	71	74	77	81	82	82	75	72	70	65	68	73	73	74	78	77	78	78	76	75	74	73	72	71	70	67	57		90
6	6/9	Art. Sim	60	T1617	71	75	80	82	85	86	88	90	90	93	93	95	94	98	84	85	84	78	81	85	79	77	75	75	75	65	66	64	60	64	62	56	45		103
6	6/9	Art. Sim	90	T1619	74	77	80	82	83	85	85	86	88	89	89	87	88	92	82	79	76	73	72	79	70	68	65	67	65	55	57	52	44	53	53	41	40		98
6	6/9	Art. Sim	90	T1622	64		57		52	63	64	65	70	73	73	71	63	56	57	59	45	61	62	62	66	66	67	66	65	63	63	60	57	55	51		37		80
6	6/9	Art. Sim	120	T1625			57		49	55	59	61	65	67	68	67	63	58	58	56	44	56	60	59	62	63	65	64	63	61	60	57	54	52	47	31	38		76
6	6/9	Art. Sim	120	T1627		67	73	77	81	82	82	81	81	82	87	84	89	92	78	71	75	74	68	72	64	63	61	61	62	50	52	47	45	46	46	37	31		96
6	6/9	Art. Sim	60	T1628	68	77	77	80	82	84	86	87	88	88	90	96	104	87	81	85	86	84	82	79	77	73	69	67	68	67	64	63	56	55	51	52	40		106
6	6/9	Art. Sim	60	T1629			58	58		68	68	70	75	74	75	75	69	72	71	66	55	65	65	65	67	67	69	69	70	66	67	64	58	59	55				84
6	6/9	Art. Sim	90	T1631	58		59	52	52	63	64	61	68	68	70	71	66	59	55	53	44	57	60	62	65	65	65	65	65	63	62	59	55	54	49				78
6	6/9	Art. Sim	90	T1634	61	69	71	75	77	77	79	81	82	83	86	95	99	80	73	79	82	76	72	71	70	67	60	62	62	56	56	53	48	48	46	42	37		101

6	6/9	Art. Sim	120	T1636		65	69	72	74	76	78	78	79	78	82	90	97	78	66	72	74	69	63	62	62	60	54	53	55	54	51	48	44	44	43	34	31		98
6	6/9	Art. Sim	120	T1638			60	55		58	62	58	64	62	63	63	59	57	57	53	46	54	56	54	59	59	59	60	59	56	57	53	44	46	38		31		73
12	6/9	Art. Sim	30	T1640	74		76	69		78		75	75	74	75	80	81	80	80	79	77	75	76	75	76	77	77	78	78	77	77	75	73	73	71	67	57		91
12	6/9	Art. Sim	30	T1641	74		78	74	66	79	71	71	80	80	89	103	95	85	83	82	92	80	87	83	83	80	76	76	74	68	68	64	60	61	53		56		105
12	6/9	Art. Sim	60	T1642	73	73	76	79	81	82	84	84	85	88	89	94	85	73	74	78	72	71	72	71	71	67	60	65	62	48	62	58	45	52	43		40		98
12	6/9	Art. Sim	60	T1644			69	57		66	61	64	69	70	64	67	61	60	66	62	52	63	62	55	64	66	65	65	65	62	64	60	50	56	51				79
12	6/9	Art. Sim	90	T1647	55		60			63	60	54	64	68	68	67	66	59	57	56	45	59	59	62	64	65	66	67	66	64	63	61	59	56	53	42			78
12	6/9	Art. Sim	90	T1650	67	74	76	78	81	80	77	77	81	85	89	100	91	76	72	78	83	68	74	72	70	66	61	63	62	56	56	53	45	42	39	37	39		101
23	5/30	Art. Sim	45	T1053	58		60	55	58	65	68	69	74	76	78	77	75	76	71	62	65	65	67	69	69	68	70	74	73	73	70	67	68	65	63	59	51		86
32	6/22	Gren. Sim	30	T1753			76	79	66	82	82	86	87	90	95	96	91	89	87	84	84	83	82	80	84	83	84	84	83	82	81	80	79	78	76	73	64	48	101
32	6/22	Gren. Sim	30	T1754	83	87	87	85	84	84	83	84	83	83	85	93	105	90	86	99	89	96	92	92	91	89	85	86	85	83	81	81	78	76	76	75	69		108
32	6/22	Gren. Sim	60	T1755	61	74	71	74	71	74	76	78	81	83	87	95	110	92	82	81	88	97	81	92	87	86	84	81	80	75	72	68	66	63	61	59	50	43	110
32	6/22	Gren. Sim	60	T1757	74	74	75	75	79	82	84	86	90	91	92	91	86	84	82	81	81	78	79	79	79	79	79	80	79	78	76	74	72	70	69	65	56		99
36	6/12	Art. Sim	90	T1928	66	69	71	75	77	79	81	83	84	85	83	81	78	72	67	65	62	63	63	64	65	65	65	65	64	62	62	61	57	55	51	39	34		92
36	6/12	Art. Sim	90	T1930	62	67	71	72	75	77	80	82	83	85	87	93	89	78	80	72	70	72	68	63	63	67	67	70	65	60	62	58	50	50	44	38			97
36	6/12	Art. Sim	90	T1936	71	74	78	81	83	85	85	86	86	85	82	76	69	69	67	65	60	61	63	63	63	63	62	64	65	58	59	57	53	52	43		37		94
36	6/12	Art. Sim	90	T1938	70	76	78	81	82	84	84	85	85	84	82	78	78	78	73	71	66	63	63	64	61	65	68	63	59	47	55	58	46	48	40		38		94
36	6/12	Art. Sim	75	T1939	74	75	78	80	83	85	86	86	86	84	81	82	88	88	81	76	70	68	67	62	64	69	68	66	61	46	59	60	50	48	39				96
36	6/12	Art. Sim	75	T1941	73	75	75	82	84	86	87	87	87	85	81	78	78	80	77	68	61	67	65	62	65	64	61	64	63	57	59	59	46	51	42		39		95
36	6/12	Art. Sim	30	T1943	74		79	78	79	82	79	60	83	86	90	92	89	83	84	81	79	78	77	75	78	76	75	75	76	72	73	71	65	67	62	56	48		97
36	6/12	Art. Sim	30	T1945	75	77	80	79	78	82	79	60	79	82	88	92	96	93	85	81	81	84	78	77	77	79	81	78	74	65	66	68	58	59	56	51	55		100
41	5/11	Art. Sim	30	T1055	79	81	83	85	86	86	89	91	93	92	90	83	82	83	84	77	80	75	75	73	72	72	70	69	68	67	65	64	61	58	55	48	41		100
41	5/16	Art Sim.	60	T1149	75	79	82	85	87	88	89	89	88	89	88	84	76	73	76	77	68	68	69	69	71	68	68	69	67	66	65	62	60	57	53	48	39	27	98
41	6/2	Art Sim.	45	T1269			66	62	63	66	68	66	62	66	70	70	70	69	65	62	56	62	66	66	68	69	71	71	71	69	69	67	65	63	60	56	47		82
42	5/31	Art Sim.	90	T1404	63	69	71	69	69	72	76	77	78	78	80	82	96	99	77	75	79	85	79	81	77	73	70	66	66	63	60	59	55	51	49	46	44	42	101
42	5/31	Art Sim.	90	T1405	42		44	48	51	54	60	65	67	69	71	69	67	65	62	60	59	62	68	69	71	71	72	71	70	69	69	68	64	63	59	53	43	28	82
42	5/31	Art Sim.	120	T1407		45	42	46	47	53	56	59	61	62	63	60	52	46	41	44	50	55	57	59	62	65	65	64	62	59	60	59	54	51	46	40	29	16	74
42	5/31	Art Sim.	120	T1410	64	70	74	76	78	79	80	80	79	77	79	77	90	88	68	72	73	67	68	71	61	56	54	51	55	53	51	49	41	37	35	32	30	28	94
42	5/31	Art Sim.	90	T1412	47	48	46	47	43	55	62	63	65	67	66	67	66	66	63	53	55	54	57	59	61	62	64	63	64	60	59	58	54	51	47	42	32	15	77
42	5/31	Art Sim.	90	T1413	70	75	80	84	88	91	87	82	82	80	77	80	81	75	69	71	67	53	56	55	57	59	57	57	62	56	53	52	48	44	38	32	29	16	95
42	5/31	Art Sim.	120	T1415	65	74	77	80	82	84	81	78	81	80	79	76	72	68	69	66	57	53	52	52	57	60	57	59	61	56	52	50	46	42	35	29	26	20	91

42	5/31	Art Sim.	120	T1418		39	44	46	40	49	56	60	64	65	66	63	59	55	48	46	52	56	57	60	61	64	63	63	62	59	59	57	53	49	44	38	26	15	75
47	6/5	Art Sim.	15	T1270	56		54	63	74	79	82	85	87	87	87	85	79	81	82	82	83	80	81	84	85	83	82	85	84	82	80	82	81	78	78	77	70	45	98
47	6/5	Art Sim.	30	T1271	60		60		59	67	66	66	77	77	84	93	91	86	84	73	74	75	74	73	75	77	79	80	79	78	76	74	73	72	70	68	60	36	97
47	6/5	Art Sim.	45	T1272	57		59	57	50	59	65	66	69	70	70	72	74	75	72	65	68	71	73	71	72	71	72	74	79	77	74	75	70	71	66	64	57	36	87
47	6/5	Art Sim.	15	T1273		64	70	74	82	85	89	89	90	87	85	87	104	95	88	91	90	90	84	84	82	82	81	79	81	80	82	75	78	73	65	72	65	39	106
47	6/5	Art Sim.	30	T1274	69	76	78	81	80	77	77	84	86	84	95	99	110	98	86	87	90	98	88	92	85	89	86	85	81	78	76	72	70	69	67	66	58	38	111
47	6/5	Art Sim.	45	T1275	52	63	68	73	76	77	79	79	81	80	79	85	106	96	85	80	79	90	82	81	79	77	74	69	67	65	67	62	58	56	54	48	43	31	106
47	6/5	Art Sim.	15	T1282	64	65	64	69	68	70	73	74	76	76	76	78	82	84	80	84	87	80	78	81	80	81	82	82	80	85	80	80	80	80	79	77	69	44	95
47	6/5	Art Sim.	30	T1283			58		65	64	70	72	74	80	83	83	78	75	75	77	77	73	76	77	76	79	76	79	79	77	76	74	73	70	70	68	59	31	91
47	6/5	Art Sim.	45	T1284		52	61	60	58	59	61	65	68	74	78	79	77	66	64	70	74	69	73	73	74	76	76	77	80	75	74	74	74	72	69	66	57	31	88
47	6/5	Art Sim.	15	T1285	77	80	81	83	85	84	84	81	78	81	81	80	85	102	105	85	92	93	97	90	89	89	86	84	84	82	80	79	76	75	74	72	65	43	108
47	6/5	Art Sim.	30	T1286	73	72	75	77	78	80	80	81	82	85	86	87	85	101	103	87	87	86	93	86	84	84	82	79	75	71	66	65	62	60	55	53	43	31	106
47	6/5	Art Sim.	45	T1287	72	80	82	84	84	81	74	79	81	88	90	90	91	98	97	86	83	86	86	82	80	78	71	71	69	63	59	62	57	54	47	43	38		103
51	5/18	Art. Sim	30	T840	77	80	83	86	88	90	92	93	93	91	86	85	82	86	81	80	78	78	75	73	71	71	71	72	71	70	68	66	64	62	59	55	46	0	100
51	6/21	Gren. Sim	30	T1737	74	86	87	90	85	85	88	84	84	84	87	88	102	100	87	94	91	95	89	90	87	87	83	83	81	81	79	76	75	73	72	70	62	48	106
51	6/21	Gren. Sim	30	T1738			75	80	80	83	86	89	87	88	91	92	91	83	83	85	83	84	83	81	82	83	83	82	81	80	78	77	75	74	71	66	57		100
51	6/21	Gren. Sim	60	T1740	69	75	78	79	83	84	87	90	89	91	91	89	83	75	80	82	74	76	72	70	72	72	70	69	70	68	68	66	64	62	59	52	45		98
51	6/21	Gren. Sim	60	T1742	70	74	74	73	73	77	78	81	81	85	86	89	104	100	82	79	83	92	81	84	81	78	74	72	69	65	65	61	58	57	53	45	40		106
51	6/21	Gren. Sim	30	T1745	75	73	83	82	82	81	83	83	85	89	89	91	91	91	86	86	84	86	84	82	84	81	81	81	80	79	78	77	75	74	72	68	60		100
51	6/21	Gren. Sim	30	T1746	86	88	88	86	85	87	82	81	83	83	83	90	103	94	84	95	87	95	91	90	89	88	85	82	83	81	79	78	78	76	74	73	67		106
51	6/21	Gren. Sim	60	T1748	73	72	72	75	78	79	80	83	85	86	87	92	108	97	88	87	87	97	86	89	86	87	85	82	80	77	75	73	71	70	69	66	58		109
51	6/21	Gren. Sim	60	T1750	68	79	77	81	81	82	85	87	88	91	89	90	90	88	83	79	81	80	77	79	78	78	79	79	78	76	76	76	75	74	71	67	58	40	99
53	5/17	Art. Sim	30	T560	72	75	79	84	88	89	89	92	91	90	86	86	85	81	80	79	76	77	73	72	69	71	70	70	69	67	66	65	64	63	60	56	47	30	99
57	4/28	Art. Sim	75	T680	66	71	76	79	82	86	88	89	90	88	86	80	77	75	80	76	72	71	70	71	70	72	71	72	71	69	67	65	62	58	55	50	41	31	97
57	5/31	Art Sim.	60	T1380			49	42	56	63	67	70	74	77	79	79	80	79	77	73	70	71	69	71	72	72	72	73	72	71	70	69	67	66	64	61	52	32	88
57	5/31	Art Sim.	75	T1381		46	0	55	53	57	62	65	67	67	67	65	62	60	58	59	58	58	59	61	63	65	65	67	68	66	65	63	62	60	56	52	42	23	78
57	5/31	Art Sim.	60	T1382		63	70	75	81	82	82	82	85	89	90	84	96	98	81	81	86	84	77	81	77	73	71	71	70	64	62	63	60	56	53	48	40	32	101
57	5/31	Art Sim.	75	T1383	62	71	77	80	83	85	87	89	91	90	88	82	84	84	74	75	72	63	67	70	63	59	56	61	62	53	52	55	50	44	41	33	23		98
57	5/31	Art Sim.	90	T1386	61	65	70	73	76	78	81	80	81	79	80	80	90	91	79	78	76	73	73	70	66	62	57	60	62	53	52	51	48	42	40	37	35	33	95
57	5/31	Art Sim.	90	T1389	37	37	48	46	49	53	58	61	63	62	62	64	68	68	63	57	58	55	57	61	63	65	65	66	65	62	62	59	56	54	50	45	34	22	77
57	5/31	Art Sim.	60	T1390	52	46	51	45	51	56	57	62	67	70	71	68	70	68	68	71	66	60	65	63	65	67	69	69	68	67	65	65	63	62	59	56	48	26	81

57	5/31	Art Sim.	75	T1391	45		48	49	51	51	55	59	64	68	69	66	62	54	62	61	56	57	57	60	63	64	64	64	66	64	62	62	60	58	55	51	42	24	77
57	5/31	Art Sim.	60	T1392	63	73	78	80	81	81	79	78	80	84	90	101	91	80	76	77	84	73	78	73	72	72	75	74	67	63	65	65	60	54	50	49	42	34	102
57	5/31	Art Sim.	75	T1393	70	72	76	78	79	80	79	80	83	86	89	102	94	76	78	81	85	76	73	70	68	69	72	72	66	62	59	59	56	53	50	47	41	31	103
57	5/31	Art Sim.	90	T1398	50	64	68	69	72	72	75	79	83	85	84	102	92	82	74	79	89	78	82	77	78	74	73	70	65	61	63	63	61	56	52	51	47	44	103
57	5/31	Art Sim.	90	T1401	44	41	46	45	51	55	58	62	69	72	73	72	69	65	62	63	60	58	60	60	62	63	66	65	66	66	64	62	61	59	54	50	39	23	80
62	5/8	Art. Sim	120	T983	37	34	45	47	52	55	58	60	61	61	58	51	56	59	58	53	50	53	58	60	62	61	62	64	65	59	58	56	53	49	43	37	26	13	73
62	5/11	Art. Sim	60	T1061	50		55	54	57	54	62	69	74	75	76	69	74	73	67	61	66	67	70	72	74	74	75	75	74	73	72	70	68	66	64	59	51	39	86
62	5/15	Art. Sim	90	T987	45		49	51	55	57	62	64	66	65	63	58	55	63	64	63	62	59	63	64	66	67	69	68	68	65	64	61	59	55	49	42	32	25	78
62	5/15	Art. Sim	90	T988			48	45	48	48	52	52	55	60	59	53	59	61	58	57	58	58	60	62	65	65	64	64	65	63	62	60	57	52	46	39	29	19	75
62	6/8	Art. Sim	60	T1582			60	60		71	66	60	67	73	77	75	71	70	69	67	67	69	69	65	69	68	72	72	71	70	69	67	64	63	60	51	44		84
62	6/8	Art. Sim	60	T1583	69	64	71	70	71	73	74	73	78	84	85	85	93	107	86	77	80	88	95	84	89	85	82	81	79	75	72	68	66	63	59	58	50		108
62	6/8	Art. Sim	90	T1585	67	71	71	73	74	77	80	81	83	86	86	86	94	107	87	79	83	87	90	85	81	78	74	73	70	67	64	63	58	54	51	48	43	38	108
62	6/8	Art. Sim	90	T1588			61			62	63	70	70	74	74	73	69	62	63	62	57	63	66	66	69	71	71	71	71	69	68	66	63	61	58	52	44		83
62	6/8	Art. Sim	60	T1592			59			69	71	56	69	62	60	70	71	67	68	68	59	67	66	65	68	70	69	69	70	68	68	65	63	61	60	50	41		82
62	6/8	Art. Sim	60	T1593	69	77	81	82	84	85	85	84	83	81	83	88	90	95	90	85	80	77	78	76	76	71	70	70	68	64	66	62	52	50	44				99
62	6/8	Art. Sim	90	T1595	70	75	77	79	80	82	83	84	82	81	85	89	91	93	85	79	77	74	75	68	70	67	63	63	59	55	59	55	46	46	38	35	45		98
62	6/8	Art. Sim	90	T1598	62		63	63		64	66	62	67	65	62	70	68	63	64	61	55	62	61	59	63	64	66	64	66	64	62	60	57	55	50		39		78
62	6/8	Art. Sim	120	T1600			53			56	53	47	63	65	63	62	59	57	58	54	43	57	56	60	62	63	62	64	62	60	59	57	51	49	39				74
62	6/8	Art. Sim	120	T1602	61	71	73	74	74	70	70	79	84	87	86	80	86	87	80	70	66	67	63	66	68	63	54	62	56	54	57	51	36	42	36		31		94
71	6/12	Art. Sim	15	T1947	84	88	91	92	93	91	89	91	90	86	79	87	85	84	84	82	79	75	76	76	75	75	73	75	75	73	73	71	69	68	65	59	54		101
71	6/12	Art. Sim	30	T1949	75	80	82	86	87	90	90	90	91	86	84	81	82	82	78	80	76	75	77	71	74	73	69	72	70	66	71	68	59	63	59	47			98
71	6/12	Art. Sim	15	T1950	84	86	90	90	90	88	82	90	93	92	93	91	85	88	84	77	82	80	76	72	72	72	66	69	69	63	68	68	0	57	47				101
71	6/12	Art. Sim	30	T1952	79	78	83	83	87	87	88	88	90	92	93	86	80	85	81	79	74	75	75	67	73	71	64	67	66	60	65	61	60	57					99
71	6/12	Art. Sim	60	T1954	71	72	73	77	78	80	80	83	87	94	98	97	83	79	82	85	79	76	74	68	66	66	63	61	63	60	55	57	47	51	47				102
71	6/12	Art. Sim	60	T1956	70	74	77	78	79	82	85	87	89	90	91	91	85	82	75	75	76	72	71	70	71	71	70	71	71	69	69	67	64	62	58	45	40		98
71	6/12	Art. Sim	15	T1959	81	82	72	81	89	93	93	86	94	92	89	79	80	80	82	80	76	78	78	79	81	75	75	76	79	77	74	72	69	68	64	51	48		101
71	6/12	Art. Sim	30	T1961	79	80	83	87	87	90	92	92	92	89	86	81	78	83	81	79	74	74	76	73	76	76	76	76	76	73	74	72	67	66	62	60	48	51	100
71	6/12	Art. Sim	15	T1963	78		67	74	81	86	86	77	87	84	85	86	91	109	96	85	87	87	95	85	86	82	80	79	79	73	71	69	64	67	62	49	52		109
71	6/12	Art. Sim	30	T1965	73		76	75	77	79	82	81	82	80	81	83	91	110	96	84	82	83	97	84	91	85	86	84	81	76	73	70	68	67	56	59	52		110
71	6/12	Art. Sim	60	T1967	73	74	76	81	81	82	83	83	83	86	87	86	86	101	87	78	73	74	72	67	71	67	68	66	67	59	58	60	50	53	52		43	40	102
71	6/12	Art. Sim	60	T1969	70	74	79	80	81	83	84	85	86	86	86	80	72	70	66	64	58	64	63	59	64	65	63	63	64	60	63	60	51	53	39				94

75	6/9	Art. Sim	30	T1915	82	81	82	85	84	83	85	85	88	89	89	90	86	81	81	83	80	78	78	75	75	74	72	73	72	69	72	69	59	63	59		48		98
75	6/9	Art. Sim	30	T1916	70		76	73		78	78	74	81	81	82	86	94	108	89	81	80	90	96	84	91	88	86	84	82	79	78	77	71	73	69	69	62	49	108
75	6/9	Art. Sim	60	T1917	64	67	71	72	72	75	76	77	78	78	82	85	94	107	87	78	78	87	93	79	87	81	77	74	69	67	67	64	61	56	52	51	40		108
75	6/9	Art. Sim	60	T1919	67	74	77	78	80	83	82	77	77	79	87	87	85	78	78	76	69	72	74	71	70	70	71	71	70	69	68	66	63	62	57	50			94
75	6/9	Art. Sim	90	T1921		73	79	82	84	87	87	87	89	91	91	88	83	74	73	77	73	71	69	68	68	68	68	69	68	67	65	63	61	58	55	42	34		98
75	6/9	Art. Sim	90	T1923	62	71	76	79	80	81	83	83	84	87	88	89	95	107	88	78	83	87	93	81	85	80	75	71	67	67	64	61	59	55	51	49	38	38	108
80	5/12	Art. Sim	60	T1071	59	68	73	76	79	82	84	86	86	88	89	87	82	76	72	77	74	67	69	67	67	67	68	68	68	67	66	65	62	59	57	53	46	36	96
80	5/16	Art. Sim	90	T594	43	53	50	52	55	64	72	76	75	74	76	74	70	63	53	50	57	61	64	67	70	74	74	72	71	72	72	68	67	65	62	57	47	47	85
80	5/19	Art Sim.	75	T1466			47	51	53	58	60	60	62	62	62	62	59	56	49	49	50	54	57	59	61	62	63	63	61	59	60	58	54	54	51	46	36	23	74
80	6/15	Art. Sim	60	T920	72	74	75	74	70	78	85	84	75	81	78	75	72	67	60	59	58	62	63	65	65	65	65	65	64	63	62	61	60	57	54	51	41	21	90
80	6/15	Art. Sim	60	T921	73	75	76	75	71	78	84	83	75	81	80	82	93	98	80	72	68	69	70	76	64	67	61	59	61	58	57	60	55	49	44	40	31	27	100
80	6/15	Art. Sim	90	T924	67	74	77	79	80	79	78	86	90	89	81	79	78	77	72	68	68	62	62	63	63	64	63	65	65	64	63	62	59	57	53	47	37	27	95
80	6/15	Art. Sim	90	T925	59	67	73	75	74	71	76	83	86	85	80	87	91	98	83	81	78	80	78	74	67	65	65	60	60	60	60	60	56	49	47	45	41	39	100
81	5/5	Art. Sim	15	T977	82	86	90	91	93	94	93	89	81	83	89	86	86	85	78	84	80	81	78	78	77	75	75	76	75	73	74	72	71	70	67	64	57	34	101
83	6/1	Art. Sim	30	T1803	76	82	85	87	88	90	92	91	90	88	86	85	84	81	85	82	83	78	76	76	75	74	72	75	73	68	73	71	66	66	63	56	56		100
83	6/1	Art. Sim	30	T1804		73	77	74	80	80	83	82	82	81	85	104	98	89	85	86	91	82	84	82	78	80	78	77	73	67	67	65	62	63	57	48			106
83	6/1	Art. Sim	60	T1806	73	73	77	76	77	79	81	82	84	85	90	105	99	78	77	82	92	79	83	79	76	75	72	73	70	65	64	60	58	56	52	45	40		106
83	6/1	Art. Sim	60	T1808	75	78	80	83	85	86	88	90	91	90	91	88	83	75	80	79	71	73	73	72	71	73	72	70	70	68	68	66	64	62	59	55	49		99
83	6/1	Art. Sim	30	T1811	79	86	87	89	87	83	84	90	93	88	95	98	90	87	83	86	84	81	80	76	76	75	75	75	75	74	74	73	69	67	63		54		103
83	6/1	Art. Sim	30	T1812	68		78	77	70	75	78	80	84	84	93	97	102	100	85	85	89	89	85	83	82	79	76	74	76	70	69	68	64	62	56	57	47		106
86	5/1	Art. Sim	60	T551	72	80	83	85	85	85	83	85	91	92	87	86	84	78	75	77	73	70	70	70	69	69	68	68	68	66	65	63	60	57	53	48	37	27	98
86	6/6	Art Sim.	60	T1294	49	51	52	54	55	59	58	59	73	79	81	76	72	71	65	63	60	59	62	64	68	68	70	71	70	71	71	72	69	68	66	62	55	50	86
86	6/6	Art Sim.	60	T1295		65	69	71	75	75	73	74	82	86	87	86	98	107	85	82	84	90	88	84	85	80	78	74	71	68	66	63	61	60	58	55	47	41	108
86	6/6	Art Sim.	90	T1297	71	73	75	76	77	78	79	80	82	82	82	82	92	102	80	76	79	85	84	79	80	76	73	70	66	63	60	59	56	54	52	50	46	45	103
86	6/6	Art Sim.	90	T1299		45	47	48	48	56	60	65	69	71	70	67	69	67	65	58	50	56	59	62	66	66	67	68	66	64	63	61	60	58	57	53	42	19	80
86	6/6	Art Sim.	120	T1301	38		41	44	45	50	56	60	64	66	66	63	58	51	43	45	48	52	56	59	62	61	61	62	61	59	59	56	55	52	50	46	36		74
86	6/6	Art Sim.	120	T1304	62	63	68	72	74	76	77	78	79	79	77	75	85	92	69	70	76	68	69	70	65	62	60	56	56	54	49	48	46	44	41	37	32	31	94
86	6/6	Art Sim.	120	T1306	65	70	72	74	76	77	77	78	77	76	74	69	68	76	83	98	85	76	77	77	80	69	73	66	65	61	60	56	53	49	46	43	41	38	99
86	6/6	Art Sim.	120	T1307	45		49		48	54	55	58	60	62	61	57	50	50	52	52	49	50	55	58	61	62	63	61	63	59	59	56	54	52	49	43	35	21	73
86	6/6	Art Sim.	120	T1308			53	48	50	56	58	61	64	65	63	64	63	60	57	56	52	56	59	60	62	62	64	65	63	61	60	59	58	56	54	51	41	21	75
86	6/6	Art Sim.	120	T1309	67	68	72	75	77	79	80	81	80	78	72	74	79	78	82	96	84	78	76	81	85	68	67	67	65	64	63	58	54	52	46	43	37	34	98

86	6/6	Art Sim.	90	T1311	57	63	61	63	71	74	76	75	76	78	78	79	78	76	77	87	76	71	71	75	82	68	65	63	64	65	62	59	53	52	43	39	35	32	91
86	6/6	Art Sim.	90	T1314				40	44	49	49	55	57	62	64	64	61	55	51	48	46	46	55	57	60	61	65	63	65	63	61	61	59	56	55	50	40	16	74
88	6/13	Art. Sim	30	T1712	73		74	67		74	73	64	78	71	61	77	70		70	73	69	74	73	69	74	74	69	73	72	63	68	66	0	61	54		56		86
88	6/13	Art. Sim	30	T1713		72	81	81	83	83	86	86	86	87	83	86	102	86	81	81	80	77	75	81	75	73	69	72	70	63	69	69	58	60	53		56		103
88	6/13	Art. Sim	60	T1714	66		63			71	67	65	71	63	68	71	62	66	69	68	0	67	66	64	65	66	61	66	65	53	64	60	0	55	52		45		81
88	6/13	Art. Sim	60	T1716	71	78	79	79	79	83	85	86	88	87	88	90	103	89	81	83	79	81	72	75	71	67	62	67	63	57	61	60	45	49	50		45		104
88	6/13	Art. Sim	30	T1720	76		76	72		74	76	81	82	82	81	85	85	81	74	75	70	76	74	70	72	74	73	74	73	69	72	72	65	67	62		49		93
88	6/13	Art. Sim	30	T1721	70		77	78	74	78	81	81	81	79	81	90	93	107	99	89	85	84	96	85	89	85	85	82	80	76	73	70	67	65	60	56	55		108
107	6/9	Art. Sim	45	T1899	78		80	76		77	77	85	88	88	88	86	83	77	75	75	69	73	72	65	73	73	71	71	72	69	70	63	59	64	53				95
107	6/9	Art. Sim	45	T1900		75	80	83	86	90	91	91	90	88	81	79	73	76	78	75	70	74	73	67	71	71	69	69	70	67	66	63	60	61	48				98
107	6/9	Art. Sim	45	T1901		72	78	81	71	74	80	77	81	80	82	84	88	102	95	79	76	81	88	80	81	77	73	72	70	63	68	66	52	56			57		104
107	6/9	Art. Sim	45	T1902		73	83	82	81	83	84	79	82	81	72	79	84	102	95	84	85	85	84	81	80	75	71	71	70	63	69	65	55	55	55		52		104
107	6/9	Art. Sim	60	T1903	68		65	68	73	72	74	73	77	78	81	83	88	103	96	80	79	78	89	82	82	77	77	73	70	67	65	62	58	53	52	49	43		104
107	6/9	Art. Sim	60	T1905		70	73	74	74	77	79	82	86	87	88	87	82	74	72	71	72	73	71	72	71	72	72	73	71	70	69	68	65	62	60	53	46		94
107	6/9	Art. Sim	90	T1907	73	78	79	81	85	87	88	89	89	90	88	82	71	67	67	66	63	63	61	61	63	61	61	62	62	58	59	55	41	48	39				97
107	6/9	Art. Sim	90	T1909	70	75	80	82	84	86	86	87	87	88	88	87	86	91	87	77	71	70	66	69	65	60	52	59	56	49	54	54	44	43	42		41		98
120	6/21	Gre. Sim	30	T1723	69	78	80	82	79	83	83	84	87	89	89	92	89	83	82	84	81	81	80	79	79	79	78	78	77	76	77	75	72	72	69	63	55		98
120	6/21	Gren. Sim	30	T1724	85	83	85	81	85	85	85	79	82	83	83	86	93	106	91	86	96	88	97	87	91	87	84	84	84	82	82	80	77	75	75	72	67		108
120	6/21	Gren. Sim	60	T1726	67	76	75	77	72	78	75	80	84	84	87	89	94	106	89	79	81	82	92	75	83	75	73	72	74	68	71	66	61	56	52	47		44	107
120	6/21	Gren. Sim	30	T1728	69	71	78	79	81	84	84	89	92	92	93	88	81	78	83	83	77	80	76	74	76	73	72	73	73	72	71	69	68	65	62	55	45		99
120	6/21	Gren. Sim	60	T1733	76	80	80	79	81	82	87	86	89	90	91	92	88	83	82	81	81	79	81	79	81	81	80	80	79	77	77	75	72	71	69	63	54		99
120	6/21	Gren. Sim	30	T1734	81	85	84	81	81	83	82	85	89	92	95	89	92	90	84	81	82	82	81	82	82	81	82	81	81	80	80	78	76	75	73	70	62		101
120	6/21	Gren. Sim	60	T1735			82	73	69	80	79	80	82	84	91	96	98	90	86	84	85	85	82	79	78	83	79	75	72	66	72	72	63	63	58	51	48		102
120	6/21	Gren. Sim	30	T1736	80	77	83	82	82	82	79	83	85	90	93	95	98	94	87	86	89	89	85	83	82	84	81	79	77	73	76	74	70	69	67	65	58		103
126	5/11	Art. Sim	30	T984	53		62	56	58	68	70	72	74	75	73	70	73	79	79	74	72	72	72	72	71	72	72	72	73	70	69	67	65	63	61	57	47		87
126	5/15	Art. Sim	15	T880	84	87	88	88	85	81	91	96	97	96	88	88	90	90	88	85	85	82	80	79	77	75	73	74	74	72	72	70	68	66	63	59	50		104
126	6/13	Art. Sim	15	T1688	74				72	79	79	82	84	85	86	84	83	77	84	85	81	85	83	82	82	82	84	85	85	83	85	86	85	86	85	84	79	52	98
126	6/13	Art. Sim	30	T1689			68			76	79	75	77	75	62	76	76	82	88	83	73	75	75	74	76	76	73	75	76	75	75	75	76	74	72	70	63		92
126	6/13	Art. Sim	15	T1690	84	83	82	82	85	84	82	80	86	83	87	101	105	92	93	92	97	91	88	90	86	87	85	83	83	80	78	77	75	74	72	71	63		108
126	6/13	Art. Sim	30	T1691	73	79	85	85	89	88	89	87	83	79	89	102	102	90	91	85	89	85	80	82	81	77	76	80	76	74	72	68	61	62		52	49		106
126	6/13	Art. Sim	60	T1692		66	75	75	72	76	77	79	81	82	83	94	97	84	71	70	75	74	72	73	73	68	66	72	67	64	62	58	52	54	50	49	48		99

126	6/13	Art. Sim	60	T1695	66		70			71	64	0	68	64	66	70	65	61	68	66	64	66	66	65	66	66	65	67	66	62	64	63	61	60	56	51	42		80
126	6/13	Art. Sim	15	T1700	75		74	79	82	74	78	77	82	88	90	90	85	82	79	78	82	78	81	77	79	80	80	79	78	76	77	76	74	76	74	72	63		97
126	6/13	Art. Sim	30	T1701	77		80	72		75		74	80	82	81	80	78	76	78	78	73	76	80	77	79	77	73	75	74	74	75	74	72	71	68	65	59		92
126	6/13	Art. Sim	15	T1702			81	79	79	87	89	87	87	87	87	88	99	104	92	89	89	94	88	90	87	83	83	82	81	77	76	74	71	70	68	67	60		107
126	6/13	Art. Sim	30	T1703						77	84	85	82	85	88	89	102	108	87	83	87	94	88	87	87	85	82	79	75	74	73	70	67	66	62	62	52		109
126	6/13	Art. Sim	60	T1704	67	76	77	73	71	70	78	87	92	93	91	89	101	103	83	84	86	85	81	82	76	74	72	69	69	67	65	63	62	59	56	52	46		106
126	6/13	Art. Sim	60	T1707			59	64		67	67	70	75	79	76	72	74	62	66	65	63	66	67	67	69	70	70	72	71	66	67	67	62	62	59	49			85
136	5/3	Art Sim.	30	T1165	52	77	80	82	82	82	86	90	92	92	89	85	82	80	80	78	74	74	71	69	68	67	69	68	65	64	63	61	58	56	52	44	40		98
136	5/8	Art Sim.	15	T1183	59	60	62	61	66	69	72	75	78	81	81	78	77	79	79	77	81	76	74	78	81	81	82	79	80	79	77	77	77	75	74	74	66	39	93
136	6/8	Art. Sim	30	T1871	76	78	84	81	80	84	87	91	91	89	87	91	85	85	79	76	70	74	74	71	74	72	68	72	72	65	73	69		62	48		59		99
136	6/8	Art. Sim	15	T1872	83	87	87	86	85	81	90	95	97	92	90	91	87	85	86	83	82	81	80	79	79	78	78	77	79	76	75	73	71	70	67	61	55		102
136	6/8	Art. Sim	30	T1873	81	77	83	84	84	83	80	86	88	86	85	95	99	88	81	80	84	85	80	87	80	78	75	74	71	64	72	66	58	63	53		57		102
136	6/8	Art. Sim	15	T1874		77	79	79	78	81	86	88	89	86	83	91	107	89	89	90	89	92	90	92	88	85	85	84	84	79	79	76	74	73	70	67	62	48	108
136	6/8	Art. Sim	60	T1877	72	74	72	72	72	76	78	79	78	83	83	85	94	81	73	68	60	67	71	84	71	68	68	66	65	59	62	59	49	52	48		45		96
136	6/8	Art. Sim	60	T1880	70	73	75	70	70	73	79	80	78	80	78	75	71	69	67	65	54	66	66	62	66	64	60	65	60	56	63	56		54	39				88
137	4/21	Art. Sim	45	T1057	75	79	83	85	87	89	90	91	92	90	85	77	72	77	73	64	63	63	67	68	66	66	67	66	67	64	62	61	58	57	53	46	37		99
137	4/24	Art Sim.	30	T1148	61	79	83	87	90	91	92	92	92	90	83	80	78	81	78	73	74	71	72	73	72	70	71	71	70	69	68	67	65	63	61	56	47		100
137	5/31	Art. Sim	45	T1791	75	80	80	77	80	81	78	79	83	85	94	101	81	79	82	86	83	81	78	76	75	73	70	69	66	62	68	64	55	60	54		52	46	102
137	5/31	Art. Sim	30	T1792	72		73	72	64	76	78	79	83	85	94	101	82	75	78	85	84	79	81	78	78	77	73	70	68	62	69	64	59	59			52		102
137	5/31	Art. Sim	45	T1793	77	83	85	87	88	89	88	86	87	92	91	83	75	77	77	70	65	71	71	71	71	70	64	69	67	0	69	63		52			48		99
137	5/31	Art. Sim	30	T1794			80	78	81	83	84	89	90	91	91	84	81	80	83	79	75	77	76	73	78	77	74	72	74	68	73	70	63	65	55		52		98
137	5/31	Art. Sim	30	T1799			76	72		74	77	78	79	75	77	82	86	104	95	83	77	79	92	79	86	80	81	80	77	77	75	74	72	68	62	66	63		105
137	5/31	Art. Sim	45	T1800			77	77	76	79	78	80	82	82	78	78	80	103	94	84	80	81	90	78	81	76	75	72	69	67	70	65	60	60	56		51		104
137	5/31	Art. Sim	30	T1801	77	83	82	85	81	84	87	88	89	88	87	86	83	79	78	79	79	76	77	74	76	75	73	73	73	69	72	69	63	59	55				97
137	5/31	Art. Sim	45	T1802		82	78	82	85	87	87	88	89	87	85	81	77	80	80	74	73	73	72	68	70	68	54	69	68		68	66		57	51				96
139	6/12	Art. Sim	30	T1652	75		67			76	72	61	76	74	79	80	79	78	78	76	79	77	77	79	79	78	78	76	75	72	74	72	70	70	70	68	60		91
139	6/12	Art. Sim	30	T1653	79		80	80	78	81	81	83	84	85	84	86	102	106	84	80	79	94	84	85	86	84	80	76	74	69	69	65	63	63	57		48		108
139	6/12	Art. Sim	30	T1655	75	73	75	75	79	81	82	82	83	84	83	87	101	104	83	79	80	93	84	82	85	81	76	71	68	65	64	62	60	56	52	52	49		107
139	6/12	Art. Sim	60	T1657				63		64	66	60	71	70	64	71	73	71	68	68	63	67	69	68	70	70	68	68	69	68	67	65	65	64	61	57	47		82
139	6/12	Art. Sim	90	T1659			56	59	61	61	63	63	67	68	72	75	77	73	63	60	62	60	60	59	65	65	65	66	65	63	63	61	58	58	55	50	39		82
139	6/12	Art. Sim	90	T1662	64	70	74	75	76	78	79	79	78	76	74	84	103	107	85	80	83	95	85	85	86	83	78	73	69	66	65	62	58	57	52	51	44		109

139	6/12	Art. Sim	30	T1664	71		79	76		80	78	65	83	80	76	82	76	63	77	77	69	76	76	73	75	76	73	75	73	69	72	70	65	68	64		53		91
139	6/12	Art. Sim	30	T1665	80	82	84	84	84	85	84	82	86	87	85	81	84	89	95	89	83	80	83	80	79	77	76	72	74	63	66	66	60	62	59	55	49		99
139	6/12	Art. Sim	60	T1667	68	62	74	73	83	87	87	85	87	84	84	85	84	93	94	84	81	79	82	73	74	72	69	66	64	56	64	63	58	53	47				99
139	6/12	Art. Sim	60	T1669			69	69	59	68	72	63	73	69	68	72	64	64	70	69	59	66	66	63	69	69	68	70	70	68	68	68	65	64	62	56	41		83
139	6/12	Art. Sim	90	T1671			64	64		64	58	64	67	66	68	67	58	52	54	59	56	60	61	63	65	67	68	67	66	66	64	63	62	60	58	53	42		79
139	6/12	Art. Sim	90	T1674		70	72	76	80	82	84	87	87	85	88	87	82	85	75	74	75	72	69	70	70	68	65	59	57	53	58	56	49	46	40		35		96
148	6/12	Art. Sim	15	T1676			79			77	77	72	78	74	68	79	72	72	75	77	71	75	76	76	78	76	77	76	77	74	76	74	70	70	68	64	59		90
148	6/12	Art. Sim	30	T1677	76		68	78		74	78	69	79	76	77	80	72	0	73	71	64	74	71	70	74	76	71	75	74	72	74	72	62	68	64	55	50		89
148	6/12	Art. Sim	45	T1678	71		73			77	77	75	78	77	62	74	76	71	76	75	62	74	75	72	73	75	76	77	76	73	75	73	64	70	66	58	53		89
148	6/12	Art. Sim	15	T1679			73	70	77	79	79	78	82	80	77	82	104	100	85	82	81	92	82	84	80	80	76	74	74	70	69	67	61	62	59		54		106
148	6/12	Art. Sim	30	T1680		70	76	78	83	84	84	83	85	85	86	86	102	97	81	83	84	83	78	82	79	76	71	71	72	66	70	66	56	52	59	70	52		104
148	6/12	Art. Sim	45	T1681	81		67	73	79	79	74	73	76	79	80	82	105	99	78	77	73	90	77	81	73	74	69	70	71	61	65	61		59			49		106
159	4/24	Art. Sim	30	T561	83	87	89	90	89	83	81	86	79	86	96	94	92	88	87	81	79	78	78	76	75	77	78	80	80	78	76	76	74	73	72	70	63	37	102
159	5/30	Art. Sim	30	T889	69	72	74	77	77	78	77	70	81	84	80	91	108	96	82	84	84	95	82	86	80	80	79	80	78	72	69	66	62	59	57	53	43	29	109
159	5/30	Art. Sim	45	T890	74	77	80	82	82	81	81	81	83	87	88	92	111	100	85	89	86	99	88	91	87	90	88	88	85	81	79	77	77	75	73	71	65	41	112
159	5/30	Art. Sim	30	T891	74	80	83	84	85	87	86	82	91	93	88	94	91	81	86	79	78	77	73	74	74	75	73	74	74	72	71	70	68	65	62	58	48	30	100
159	5/30	Art. Sim	45	T892	80	83	86	87	88	87	80	87	94	96	94	86	87	88	82	80	82	79	79	77	78	77	77	77	77	76	75	73	70	67	63	58	47	36	102
163	6/7	Art. Sim	15	T1847	83	86	89	89	86	80	90	95	96	93	87	88	83	84	84	81	80	79	78	77	77	75	73	77	76	72	74	72	68	67	63	55	53		102
163	6/7	Art. Sim	30	T1848	82	86	87	87	84	83	87	91	87	92	93	92	89	82	88	82	78	79	77	76	76	75	75	74	73	69	72	69	62	64	59		55		101
163	6/7	Art. Sim	15	T1849	78	70	82	85	81	83	83	84	89	90	88	99	108	85	84	86	93	92	85	89	85	83	81	82	87	74	73	70	66	65	60	56	57		109
163	6/7	Art. Sim	30	T1850	73		80	83	78	81	84	84	87	90	92	100	108	88	83	82	94	92	83	90	86	83	80	78	76	70	73	72	64	63	61	57	52		109
163	6/7	Art. Sim	60	T1851	76	75	77	79	77	77	80	82	79	85	86	96	107	91	81	82	89	89	80	83	77	76	72	73	71	66	65	62	59	58	50		49		108
163	6/7	Art. Sim	60	T1853	79	83	85	85	85	82	84	86	82	92	92	81	85	78	70	71	65	67	68	66	69	70	69	72	70	68	67	66	61	58	53		40		98
163	6/7	Art. Sim	30	T1859	78	82	82	87	88	91	92	93	91	88	88	88	81	81	82	79	77	76	74	71	75	74	71	73	73	68	70	69	62	64	58				100
163	6/7	Art. Sim	15	T1860		82	82	83	82	81	86	87	90	91	89	92	93	92	91	85	87	85	85	84	85	84	85	84	84	83	83	81	80	79	75	73	65		102
163	6/7	Art. Sim	30	T1861	75		77	67	78	80	82	83	85	83	85	88	104	103	82	82	85	94	84	86	84	82	79	77	74	70	70	69	64	62	58	57	49		107
163	6/7	Art. Sim	15	T1862	80	88	90	88	86	86	81	82	82	79	83	86	101	102	84	94	95	96	90	92	91	90	88	87	83	85	83	80	79	76	76	74	67		107
163	6/7	Art. Sim	60	T1865	73	72	73	75	71	74	75	75	78	79	81	86	101	102	83	74	73	91	82	79	82	77	71	69	70	67	67	64	57	56	47	46	49		105
163	6/7	Art. Sim	60	T1868	67	73	75	76	79	81	80	83	83	84	86	86	83	78	72	70	71	70	69	69	70	71	71	69	69	67	67	66	62	61	53		45		94
177	6/15	Art. Sim	60	T934	60	77	81	84	86	88	89	89	89	85	81	80	82	81	74	76	69	67	64	63	61	62	61	61	61	59	57	56	54	52	49	45	37	26	97
177	6/15	Art. Sim	60	T937	51	72	76	78	77	79	77	78	78	75	73	82	101	96	84	83	81	88	78	82	80	76	73	70	70	68	60	57	53	51	47	44	42	38	103

177	6/15	Art. Sim	60	T942	65	72	76	78	78	79	79	74	68	73	79	78	85	100	90	82	80	78	81	74	71	65	67	65	61	57	54	50	46	43	41	39	38	36	101
177	6/15	Art. Sim	60	T945	73	76	79	81	83	84	85	83	80	76	81	80	76	77	68	69	71	72	70	68	67	63	60	61	61	60	57	56	54	53	50	45	36		92
179	4/26	Art. Sim	60	T787	64	75	79	82	85	87	89	90	91	91	88	82	77	81	82	77	78	74	73	74	73	72	73	72	71	71	68	66	64	61	57	52	45	41	98
179	5/3	Art Sim.	30	T1167	79	83	85	86	86	87	88	87	83	82	90	93	91	84	86	86	80	82	80	76	77	77	75	76	75	74	74	71	70	68	65	61	53	31	100
183	4/21	Art Sim.	30	T1150	79	83	86	88	90	91	88	80	88	91	90	91	91	80	76	77	75	72	72	74	74	74	75	74	76	81	82	76	77	73	74	72	64	42	100
183	4/25	Art. Sim	60	T553	54	72	79	84	88	89	87	88	85	79	87	87	84	78	76	72	65	65	63	65	66	65	66	69	69	68	64	62	60	58	54	49	39	28	97
183	4/28	Art. Sim	90	T951	64	77	80	82	83	83	79	78	85	88	85	75	71	69	72	64	62	61	61	61	62	64	65	64	60	60	59	54	53	48	42	37	30	22	93
183	6/1	Art. Sim	30	T1428			60	61	60	64	67	71	74	77	78	76	74	66	69	73	72	70	73	71	71	72	73	74	74	72	70	70	69	69	67	65	56	30	87
183	6/1	Art. Sim	30	T1429	58	71	74	72	74	81	84	85	82	87	86	88	101	96	77	83	85	84	78	81	77	74	69	70	71	67	67	62	55	52	49	44	38	30	103
183	6/1	Art. Sim	60	T1431	66	72	75	77	80	83	85	85	86	86	87	87	94	91	78	80	77	71	72	75	69	65	60	63	64	58	60	54	48	43	39	36	34	25	98
183	6/1	Art. Sim	60	T1433	50		45	48	45	57	62	65	69	70	71	68	59	57	58	59	56	56	56	60	62	63	64	65	67	64	63	62	60	59	57	54	45	22	78
183	6/1	Art. Sim	90	T1435	47		37	46	43	51	57	59	62	67	65	61	50	44	45	47	47	54	57	59	59	61	63	63	62	61	60	57	55	53	50	45	34	20	74
183	6/1	Art. Sim	90	T1437	66	71	74	74	74	78	82	83	81	85	83	81	82	81	74	70	67	64	64	67	60	55	50	59	60	52	56	50	43	39	33	30	29	26	92
183	6/1	Art. Sim	90	T1442	60	64	66	67	71	74	76	77	79	80	76	69	66	64	59	51	44	46	42	41	50	50	55	52	47	50	43	44	43	35	28	0	22		86
183	6/1	Art. Sim	90	T1444						45	47	53	54	56	53	46	47	46	45	45	42	47	52	57	58	62	65	63	63	62	59	57	55	52	48	42	35		72
183	6/1	Art. Sim	60	T1446	49		41	53	53	59	59	57	56	61	64	63	58	52	54	55	57	60	61	63	64	67	66	66	67	65	62	60	59	57	54	50	43	28	76
183	6/1	Art. Sim	60	T1448	68	76	80	83	87	89	87	84	80	83	89	88	78	68	64	64	63	62	57	51	60	54	56	56	53	53	48	50	49	43	38	34	29	23	96
183	6/1	Art. Sim	30	T1450	77	81	84	86	88	88	85	79	86	94	97	96	87	79	82	87	81	79	76	72	71	69	70	71	68	63	62	63	58	59	55	47	43	31	102
183	6/1	Art. Sim	30	T1451		55	62	63	60	65	67	64	68	76	79	79	74	70	65	68	69	71	73	69	71	74	75	76	76	73	72	70	68	67	65	62	59	53	87
184	5/23	Art.Sim	90	T1010	64	72	75	77	78	78	77	70	81	85	80	74	64	61	60	56	54	55	60	60	60	59	59	60	58	58	56	53	50	46	41	34	22		89
184	5/25	Art Sim.	30	T1161	64	68	72	76	79	83	85	87	88	90	90	89	86	83	81	77	76	74	74	75	74	75	76	78	74	74	72	69	68	66	64	60	51		97
194	6/1	Art. Sim	15	T1819	83	85	88	90	91	92	92	91	92	90	88	88	83	86	86	84	82	81	79	76	77	76	75	75	77	74	74	72	70	68	64	57	53		101
194	6/1	Art. Sim	30	T1820	75	82	85	87	89	89	89	89	89	95	95	96	91	86	86	85	80	82	78	78	76	76	74	74	74	70	72	71	64	65	61	58	48		103
194	6/1	Art. Sim	15	T1821	79	75	75	81	81	86	85	88	89	91	98	110	89	79	88	90	98	85	93	89	86	85	82	82	78	73	71	68	66	62	57	56	52		111
194	6/1	Art. Sim	30	T1822	81	86	86	85	85	85	83	82	84	88	98	110	92	90	99	95	101	87	94	90	90	89	87	85	82	81	79	78	77	76	74	73	65		112
194	6/1	Art. Sim	15	T1831	78	87	85	85	85	87	88	85	84	83	85	86	92	106	92	91	96	89	96	90	90	87	87	88	86	80	81	78	77	75	74	72	66		108
194	6/1	Art. Sim	15	T1833	82	85	89	92	93	94	94	92	91	90	85	86	88	85	83	82	82	80	79	78	78	76	72	73	73	69	70	68	64	66	60	61	53		102
194	6/1	Art. Sim	15	T1834	81	80	84	78	81	86	90	92	92	92	89	88	84	76	82	81	71	77	76	73	76	75	72	73	74	68	74	72	63	64	59	55	56		99
197	5/17	Art. Sim	45	T1058	55		59	55	59	62	67	71	74	75	74	70	65	72	69	65	64	68	72	73	76	78	77	78	78	75	75	72	69	68	65	62	53	34	87
198	4/21	Art. Sim	45	T580	70	76	75	70	83	90	93	91	90	94	91	86	81	76	75	74	78	76	78	72	69	70	70	70	71	69	68	67	63	61	58	53	42	32	100
198	4/25	Art. Sim	60	T1083	61	56	51	59	67	69	70	71	76	78	80	83	77	76	69	70	68	68	67	68	68	68	68	69	69	67	66	64	62	59	56	54	53	49	88

198	5/30	Art. Sim	45	T899	74	76	78	80	84	88	91	91	90	90	89	87	80	76	81	78	75	72	72	71	71	70	69	69	70	67	66	63	61	59	54	48	39		99
198	5/30	Art. Sim	45	T900	63	66	65	63	71	79	82	83	82	83	83	89	101	89	77	81	83	75	77	78	74	70	67	68	63	60	60	58	54	50	47	41	38		102
198	5/30	Art. Sim	60	T902	74	74	72	74	73	71	72	76	80	81	78	83	105	95	84	79	79	91	80	83	78	77	72	68	64	63	61	57	54	51	49	46	44	42	106
198	5/30	Art. Sim	60	T904	76	80	82	83	83	80	72	84	89	92	90	82	83	84	80	69	72	72	69	68	68	68	69	68	68	66	64	61	59	56	51	46	36	21	97
201	6/21	Art Sim.	60	T1518			82	78		80	78		85	79	81	85	86	86	84	78	78	80	78	77	78	78	78	80	78	76	77	74	71	72	69	64	59		95
201	6/21	Gre. Sim	60	T1519			80	77	79	80	80	76	83	81	85	86	88	95	106	99	87	86	85	91	86	88	86	82	83	80	78	77	74	75	69	71	61		108
201	6/21	Gren. Sim	30	T1524	90		87	97		95	97	88	93	87	92	98	98	96	94	93	91	91	91	88	90	91	85	91	90	84	90	88	75	80	81	78			107
201	6/21	Gren. Sim	30	T1525	89		93	98	99	97	95	95	98	92	92	97	98	99	109	105	91	101	96	98	96	95	93	92	92	87	89	87	85	83	79	79	74		113
201	6/21	Gren. Sim	30	T1526	86	79	83	86	85	86	81	79	79	81	84	88	95	107	91	86	98	88	95	92	91	89	87	84	83	82	80	78	77	77	75	72	67	45	109
201	6/21	Gren. Sim	30	T1527	69		74	74		74	76	78	81	83	85	88	88	85	81	83	86	79	81	78	80	82	82	83	83	82	81	79	78	77	77	75	68		97
201	6/21	Gren. Sim	60	T1528	60		56	60		63	62		59	61	59	64	61	42	60	62		62	58	46	55	55	0	54	50	0	55	53		50	33		43		73
201	6/21	Gren. Sim	60	T1529			61	59	.	54	57		62	57	56	65	67	78	64	60	53	60	66	56	60	58	58	57	55	50	55	53	44	45	40	31			79
205	6/6	Art. Sim	75	T1036	56	56	54	55	56	60	61	66	69	71	72	72	70	66	70	69	66	67	66	69	71	72	73	73	73	70	69	68	66	64	61	58	50	34	84
205	6/6	Art. Sim	75	T1037	60	63	67	65	74	76	76	78	80	81	85	92	108	88	74	78	84	94	78	86	79	78	76	75	71	66	64	63	59	56	55	53	48	42	109
205	6/6	Art. Sim	90	T1039	72	73	71	73	73	72	68	65	71	74	73	84	103	86	78	78	79	89	77	82	76	74	71	68	65	62	58	57	54	52	50	47	46	44	103
205	6/6	Art. Sim	90	T1042	40		48	49	52	54	55	53	59	62	60	58	65	65	66	65	58	57	59	61	62	64	66	68	68	65	62	61	59	57	53	47	36	16	77
205	6/6	Art. Sim	120	T1044	47	44	46	39	45	52	55	58	62	63	66	64	62	61	60	57	55	59	60	63	64	65	66	65	64	63	61	58	57	54	50	44	35	26	76
205	6/6	Art. Sim	120	T1046	66	63	66	65	66	67	69	71	72	72	76	83	99	80	68	71	75	85	71	79	73	71	67	64	62	58	55	54	51	48	45	44	42	40	99
205	6/6	Art Sim.	75	T1318	69	77	77	79	78	74	74	82	83	81	74	80	104	97	80	80	80	86	81	84	76	70	68	68	74	72	62	60	59	54	51	47	45	43	105
205	6/6	Art Sim.	75	T1319	61	62	61	61	58	58	55	62	65	63	58	62	65	66	67	69	62	61	62	64	66	67	68	69	70	70	66	66	66	64	61	55	42	24	80
205	6/6	Art Sim.	90	T1321	50	53	53	50	53	57	60	64	66	67	67	66	62	61	64	65	62	58	61	62	65	67	71	72	69	68	67	65	63	60	57	53	48	41	80
205	6/6	Art Sim.	90	T1324	69	67	70	73	74	75	76	78	77	79	79	82	98	92	73	75	81	81	79	83	75	71	69	67	67	65	60	58	54	53	49	45	43	41	100
205	6/6	Art Sim.	120	T1326	75	76	76	78	78	77	77	85	81	81	84	78	92	89	72	74	77	75	74	74	65	63	61	59	64	63	54	51	47	44	41	38	36	35	96
205	6/6	Art Sim.	120	T1328	64	62	59	53	52	53	56	65	63	65	68	62	61	57	52	55	53	55	61	62	66	68	66	66	67	63	61	59	57	52	47	41	29	17	77
206	5/10	Art. Sim	45	T592	56		53	59	59	66	70	73	75	76	72	67	71	74	75	77	72	71	72	72	72	72	73	75	73	71	70	69	69	68	67	65	55		87
206	5/25	Art. Sim	120	T522	58	59	65	69	72	69	73	74	78	79	77	75	68	58	55	53	51	49	49	52	52	53	53	51	52	50	49	46	44	40	35	27	22	12	85
206	5/25	Art. Sim	120	T528	61	68	72	76	79	81	82	82	82	78	71	73	76	72	62	66	61	54	55	56	57	56	56	57	57	55	53	51	48	44	40	34	27	20	90
206	5/30	Art. Sim	150	T1054	46	41	41	41	41	48	55	60	63	63	62	64	61	61	54	46	49	52	55	59	59	63	64	63	62	60	58	55	51	45	38	31	21	16	74
207	6/7	Art. Sim	30	T1835	82	84	87	90	91	91	89	85	86	87	85	87	85	79	82	77	73	74	71	71	74	72	72	71	73	73	72	70	69	68	64	56			99
207	6/7	Art. Sim	30	T1836	78	76	79	82	83	84	81	77	82	84	88	97	98	87	88	85	77	84	79	75	76	74	71	70	67	63	66	59	57	60			50		102
207	6/7	Art. Sim	60	T1838	69	75	79	82	84	86	86	86	86	86	86	94	101	87	84	83	84	79	78	72	72	73	69	66	64	61	60	58	50	44	46	41			103

207	6/7	Art. Sim	60	T1840	76	80	83	86	87	88	89	89	89	88	86	85	85	82	75	77	70	71	67	64	67	67	66	67	69	61	65	64	50	55	46		43		98
207	6/7	Art. Sim	90	T1842	76	79	80	81	79	79	84	86	86	83	86	82	76	64	63	58	47	60	58	60	61	61	60	62	60	57	58	55	44	43	34		37		94
207	6/7	Art. Sim	90	T1844	75	78	80	81	78	79	83	87	87	84	90	90	94	76	67	64	50	59	60	52	62	64	57	61	58	49	53	48	0	40	40				98
216	6/1	Art Sim.	90	T1420			41	42	38	53	60	63	61	67	68	67	66	62	61	63	59	58	63	66	66	66	67	68	68	68	66	64	61	60	56	52	42	24	79
216	6/1	Art Sim.	90	T1421	64	70	71	70	66	72	76	77	74	80	84	99	91	73	75	77	85	75	77	75	72	66	64	66	65	61	58	54	51	48	45	42	40	38	100
216	6/1	Art Sim.	120	T1423	62	66	69	71	71	70	72	75	80	81	81	95	88	74	74	75	80	75	72	72	69	62	59	64	63	60	57	51	52	50	44	42	39	36	96
216	6/1	Art Sim.	120	T1426	33	39	45	46	45	50	55	63	67	70	69	66	64	52	43	47	53	56	58	61	64	63	65	66	66	64	62	60	57	54	50	45	34	17	77
216	6/1	Art Sim.	90	T1454	41		48	45	45	49	49	46	46	54	54	58	59	57	59	57	55	58	60	61	61	63	63	63	63	61	58	57	54	52	49	44	39	29	73
216	6/1	Art Sim.	90	T1455	66	71	74	76	76	76	74	68	66	73	73	79	88	93	75	67	70	73	70	71	63	64	61	62	61	58	50	47	45	46	44	37	33	31	95
216	6/1	Art Sim.	120	T1457	52	62	67	70	71	72	71	72	69	66	68	75	84	93	73	71	73	71	71	68	59	58	57	59	58	57	47	42	43	44	40	35	33	30	94
216	6/1	Art Sim.	120	T1460	36	33		37	38	48	50	54	54	52	46	55	56	58	56	54	50	52	57	58	60	60	62	63	63	60	57	55	52	48	43	37	30	17	71
218	6/8	Art. Sim	30	T1604			79			77	67	79	75	78	78	82	82	80	73	74	69	72	71	70	75	76	74	76	73	70	74	72	68	68	64	54			90
218	6/8	Art. Sim	30	T1605	73	79	81	78	81	78	72	81	83	89	87	94	101	95	83	81	79	87	83	86	79	77	73	73	71	68	71	69	59	57	56		54		103
218	6/8	Art. Sim	60	T1607	69	76	79	80	82	84	84	84	85	86	88	92	94	85	77	82	79	74	80	82	75	73	67	66	69	65	65	63	53	50	41	46			99
218	6/8	Art. Sim	60	T1609				65		68	66	68	72	72	74	74	69	59	67	66	54	66	64	64	68	69	67	68	68	63	66	64	55	60	53				82
218	6/8	Art. Sim	90	T1611			56	60		65	61	64	67	67	65	62	54	57	58	57	55	58	59	61	63	65	64	64	64	62	61	59	55	56	51	41			77
218	6/8	Art. Sim	90	T1614	71	74	76	78	79	82	84	85	87	87	86	80	78	81	78	71	74	71	76	76	68	63	58	59	59	59	59	57	49	44	43		34		95
221	5/18	Art. Sim	30	T985	59		59	61	62	67	68	69	73	75	76	76	74	72	75	74	69	67	68	71	75	76	75	79	82	75	78	74	73	73	70	70	60	37	89
221	5/22	Art Sim.	60	T1164	50	42	52	54	54	53	56	63	72	74	65	64	67	64	60	57	58	61	64	68	68	68	69	69	68	65	66	65	63	63	61	58	48	29	81
221	5/24	Art. Sim	45	T1011	62		50	61	56	57	55	58	65	66	68	71	73	67	62	58	53	58	63	64	65	65	67	69	68	65	66	64	65	63	60	57	48		80
221	6/23	Gren. Sim	30	T1370	64	63	66	68	72	74	78	80	83	86	88	88	89	88	85	84	87	81	78	78	80	81	81	81	82	80	79	78	78	77	76	75	67	39	98
221	6/23	Gren. Sim	30	T1371	73	88	88	84	85	84	79	82	84	81	83	89	103	102	85	95	94	96	89	92	90	88	85	86	84	81	81	79	77	75	74	72	64	39	107
221	6/23	Gren. Sim	60	T1372	71	69	72	72	71	74	74	76	78	80	84	89	106	103	84	79	80	95	83	87	83	85	81	81	80	77	74	69	67	70	65	64	60	45	108
221	6/23	Gren. Sim	60	T1374		49	54	55	59	63	64	68	72	76	80	83	84	82	77	73	75	72	73	75	76	79	79	79	78	79	77	76	75	74	73	70	63	47	92
222	6/8	Art. Sim	30	T1883	79	81	81	86	87	89	89	88	84	86	86	91	88	88	84	83	80	79	76	75	75	76	74	76	76	74	74	72	68	67	63	55	50		99
222	6/8	Art. Sim	15	T1884	82	87	90	90	89	88	86	88	91	90	92	94	91	88	86	83	85	78	81	77	77	78	77	76	76	74	74	72	70	71	69	66	58		102
222	6/8	Art. Sim	30	T1885	80	81	82	82	80	82	79	77	82	80	84	90	101	106	87	90	92	97	89	87	88	85	84	84	81	80	78	76	75	74	72	71	64		108
222	6/8	Art. Sim	15	T1886		68	78	79	75	71	67	77	84	85	84	92	101	105	84	84	88	95	87	87	87	84	83	80	79	74	76	74	72	69	68	71	65		107
222	6/8	Art. Sim	60	T1887	75	80	81	78	78	84	86	85	85	87	87	87	99	102	88	80	81	88	83	79	78	72	69	70	69	63	64	61	56	53	49	43	47		105
222	6/8	Art. Sim	60	T1890	75	77	79	79	79	88	91	89	86	88	87	82	77	78	79	72	72	69	67	67	68	67	67	68	68	66	66	63	58	57	51				97
227	4/25	Art. Sim	30	T992	82	85	88	89	91	92	93	92	92	89	81	84	88	86	83	83	75	74	74	74	74	74	74	73	74	71	69	66	65	62	57	52	47	38	101

227	6/15	Art Sim.	60	T1496	57	71	77	79	80	82	84	86	84	85	86	92	97	89	76	77	82	78	71	74	72	69	66	65	63	59	54	53	52	50	46	41	34	32	100
227	6/15	Art Sim.	60	T1498			56	48	44	58	62	67	69	72	74	74	69	67	66	62	62	61	64	65	68	68	69	68	68	67	65	63	63	61	60	57	48	24	82
227	6/15	Art Sim.	30	T1500	53		62	56	61	62	66	70	73	77	81	83	84	83	82	81	79	75	74	77	80	81	82	82	80	79	78	78	75	75	74	73	65	38	94
227	6/15	Art Sim.	30	T1501	66	68	69	71	71	71	74	74	78	81	85	92	104	94	83	82	80	91	80	85	80	81	79	77	74	71	66	62	61	59	57	54	47		105
227	6/15	Art Sim.	30	T1502		69	76	78	82	81	82	78	82	87	90	100	103	82	81	86	91	84	86	81	82	79	76	74	71	66	68	65	61	58	55	50	53		106
227	6/15	Art Sim.	30	T1503			70			77	70	61	74	80	82	83	80	75	74	72	64	70	75	78	79	80	75	77	76	72	73	72	69	70	68	67	56		91
227	6/15	Art Sim.	60	T1504	61		55			64	68	69	70	73	74	74	72	71	64	61	57	62	63	63	65	65	70	72	70	66	68	66	62	62	60	56	47		83
227	6/15	Art Sim.	60	T1506	65	72	75	78	72	79	86	88	85	86	89	98	97	82	78	83	84	79	79	72	71	67	66	65	64	58	58	54	50	46	48	45	40		102
228	6/7	Art. Sim	90	T1534			64			62	65	58	67	64	66	70	68	62	63	60	50	61	61	61	64	64	65	66	66	62	62	60	56	55	49	37	38		78
228	6/7	Art. Sim	90	T1536	69	71	75	78	80	81	82	81	83	86	88	89	87	81	70	74	73	67	63	62	61	62	63	62	58	50	58	59	54	44	46	41			95
228	6/7	Art. Sim	120	T1538	65	72	76	79	82	83	85	86	85	82	77	79	83	80	74	65	64	57	54	54	54	53	51	53	49	41	48	47			40				93
228	6/7	Art. Sim	150	T1540		56	60	59	78	80	79	77	77	67	75	78	77	68	64	60	53	55	54	51	52	51	51	52	45	33	46	44		39	30				87
228	6/7	Art. Sim	120	T1542	54		56	51		58	58	61	61	62	54	61	61	59	58	55	42	53	55	54	56	57	58	58	57	56	54	52	43	45	36				72
228	6/7	Art. Sim	150	T1544	51		53	55		53	55	57	57	55	0	61	54	44	55	51	48	52	53	46	54	55	54	54	55	49	53	50		39			33		68
228	6/7	Art. Sim	90	T1547	64		64			64	62	65	70	70	73	74	73	66	60	63	62	64	63	65	67	69	70	69	69	69	67	64	62	62	59	54	43		82
228	6/7	Art. Sim	90	T1549	58	75	78	80	81	82	81	80	75	77	83	87	101	93	81	81	84	84	79	78	74	71	69	70	67	62	62	59	59	60	56	49	43	34	102
228	6/7	Art. Sim	120	T1550	64	74	76	79	80	81	80	81	83	86	84	81	78	70	61	55	49	54	53	59	54	53	48	52	51	42	48	43	0	39	31				92
228	6/7	Art. Sim	150	T1552	71	73	75	78	79	78	75	77	83	87	86	84	85	79	70	60	50	58	56	54	56	55	49	52	52	37	49	46	0	34			34	31	93
228	6/7	Art. Sim	120	T1554	59		56	51		58	62	59	63	64	64	61	47		52	52		53	52	51	56	55	51	55	53	44	51	49	39	41	33		33		72
228	6/7	Art. Sim	150	T1556	56			54		60	60	56	63	66	66	62	54	39	55	53		53	51	45	51	51	41	49	48	0	48	47	0	38	35		35		72
232	5/10	Art Sim.	60	T1139	50	78	83	86	87	89	89	89	87	85	83	79	82	82	79	75	69	65	65	65	63	64	65	66	65	64	63	61	58	54	50	44	34	25	97
232	6/13	Art. Sim	30	T1976	83	83	88	90	91	91	91	87	87	89	89	92	88	85	82	84	75	79	75	75	75	76	75	74	74	72	73	71	68	68	65	60	51		101
232	6/13	Art. Sim	30	T1977		69	66	76	79	79	81	79	81	83	85	93	111	94	81	83	85	99	81	93	86	87	86	83	80	77	74	71	68	64	61	61	48		111
232	6/13	Art. Sim	60	T1978	73	73	76	79	79	84	87	89	86	88	88	91	98	86	77	82	81	78	77	80	75	71	73	70	66	58	63	60	49	54	41		46		101
232	6/13	Art. Sim	60	T1979	75	76	78	81	84	86	90	90	88	89	86	81	72	70	71	71	68	72	70	67	69	68	68	68	67	64	65	61	55	56	52		43		97
232	6/13	Art. Sim	30	T1980	81	86	86	87	88	90	90	90	89	90	88	86	87	89	85	86	80	80	77	76	77	75	73	74	74	69	71	69	66	64	58				100
232	6/13	Art. Sim	30	T1981	80	81	82	84	85	86	82	83	81	84	84	87	93	107	96	86	96	87	95	88	90	87	85	83	81	80	79	76	75	74	72	70	63		108
232	6/13	Art. Sim	60	T1982	70	73	77	79	78	80	80	81	82	83	85	91	96	104	95	86	87	81	89	84	78	77	71	68	69	68	67	64	59	56	53	52	44		106
232	6/13	Art. Sim	60	T1983	76	80	83	86	87	89	90	91	91	90	90	88	86	78	79	78	67	69	68	68	67	67	66	66	65	61	63	61	54	54	43		40		100
295	5/19	Art Sim.	90	T1151	67	72	75	79	82	84	85	84	82	78	73	77	78	74	69	62	56	56	58	58	61	63	61	61	62	59	58	56	54	50	46	39	31	19	92
295	5/19	Art Sim.	90	T1152	53	57	59	58	52	56	56	51	54	52	46	57	59	40	47	47	27	44	42	35	42	41	-237	38	36	0	36	34	0	26	19		16		67

295	5/23	Art. Sim	120	T989	39	38	43	48	53	57	60	61	60	61	64	64	62	53	45	45	43	48	53	57	58	59	62	61	62	59	57	57	55	53	51	43	33	13	73
295	5/25	Art Sim.	30	T1110	61		50	58	52	66	72	77	77	76	84	81	86	82	77	74	77	76	76	76	76	78	76	76	76	77	76	77	75	74	74	72	70	62	37	92
296	6/7	Art. Sim	15	T1558			73	70		78	77	79	82	84	87	85	81	81	85	83	85	82	77	74	77	79	78	79	83	76	78	78	72	75	73	70	62	49	95
296	6/7	Art. Sim	30	T1559			75			78	74	0	77	73	68	76	74	74	79	78	71	74	74	71	75	73	74	74	73	72	74	71	64	67	61				88
296	6/7	Art. Sim	15	T1560		67	75	76	80	84	84	85	88	87	91	92	94	105	90	88	85	85	92	88	87	85	83	83	86	79	77	81	77	72	72	73	68		106
296	6/7	Art. Sim	30	T1561		80	77	77		77	80	78	80	78	71	83	93	107	91	86	84	86	94	87	86	84	81	79	76	73	72	69	67	64	59	58	57		107
296	6/7	Art. Sim	60	T1562		74	73	71	74	77	74	78	74	72	75	82	92	105	87	79	77	81	87	79	76	76	72	69	68	66	66	64	59	56	50	48	46		105
296	6/7	Art. Sim	60	T1565	65		64			62	0	64	73	65	0	72	67	68	65	63	49	64	64	63	66	66	67	68	68	64	67	65	57	58	53				80
296	6/7	Art. Sim	15	T1570	73		73			80	80	80	85	82	83	83	80	82	84	81	75	83	81	81	77	76	76	78	80	77	77	76	75	74	70	69	58		94
296	6/7	Art. Sim	30	T1571			76			73	77	74	78	82	82	82	80	74	78	74	66	74	74	71	74	73	73	76	75	71	74	72	67	70	64	61	52		91
296	6/7	Art. Sim	15	T1572	81	83	81	81	85	86	85	87	89	90	92	102	102	89	85	84	91	85	84	84	81	80	76	77	78	66	70	72	65	64	55	58	49		106
296	6/7	Art. Sim	30	T1573	70		80	80	85	84	87	86	88	89	93	106	101	87	83	84	93	83	85	83	82	81	77	76	72	66	69	67	66	55	54	55			108
296	6/7	Art. Sim	60	T1576	72	71	72	77	77	77	77	80	82	85	89	102	99	82	78	79	89	80	79	76	75	74	71	69	66	63	61	59	54	51	47	40			104
296	6/7	Art. Sim	60	T1579	63		66	63		66	60	64	69	72	74	74	68	67	69	65	58	66	65	66	67	71	71	71	72	71	70	66	62	63	59	50	39		83
294/176	6/23	Gren. Sim	30	T1761	69	81	81	83	84	86	83	83	88	88	90	93	93	92	94	90	88	87	86	84	84	84	85	85	85	84	83	82	81	80	78	75	67	48	102
294/176	6/23	Gren. Sim	30	T1762	74	85	89	90	85	89	86	82	82	84	88	91	101	102	91	94	93	94	89	90	90	87	86	84	82	82	79	77	76	74	72	71	61		107
294/176	6/23	Gren. Sim	60	T1763	86	85	84	83	78	85	85	86	83	84	86	93	104	102	89	95	93	92	90	90	89	86	83	84	80	79	80	76	76	73	71	71	64	39	108
294/176	6/23	Gren. Sim	60	T1765	74	76	76	77	78	80	83	85	87	88	91	92	87	88	85	83	81	82	79	81	79	80	80	80	79	78	77	75	74	72	70	66	57	39	99
294/176	6/23	Gren. Sim	30	T1769	72	82	82	82	82	82	85	85	86	89	88	90	89	87	86	85	81	80	77	78	78	80	80	79	79	78	78	75	73	71	69	66	64	57	99
294/176	6/23	Gren. Sim	30	T1770	84	87	86	86	88	85	83	77	83	80	82	84	94	105	87	87	97	91	94	91	92	89	87	84	84	83	81	79	78	76	74	73	72	69	107
294/176	6/23	Gren. Sim	60	T1771			69	71	71	76	76	74	78	80	84	87	97	107	90	81	79	88	93	79	89	85	82	80	78	76	73	67	63	62	59	56	52	44	108
294/176	6/23	Gren. Sim	60	T1773	63	68	76	76	78	80	82	83	87	89	88	90	86	84	82	81	80	78	75	76	75	75	75	74	75	74	73	71	70	68	65	61	58	53	97
294/176	6/23	Gren. Sim	30	T1777	78		81	80	76	80	83	83	87	88	93	95	91	91	87	91	87	85	84	84	83	85	85	85	84	83	82	81	80	78	77	74	71	66	102
294/176	6/23	Gren. Sim	30	T1778	80	83	86	83	86	91	87	88	85	83	84	87	92	102	100	89	95	90	92	90	89	89	87	85	83	82	82	79	76	76	75	72	71	69	106
294/176	6/23	Gren. Sim	60	T1780		60	69	72	67	68	73	74	78	81	83	87	92	103	102	86	82	81	91	83	84	80	82	80	79	81	79	73	71	73	72	70	68	62	106
294/176	6/23	Gren. Sim	60	T1782	63	72	76	76	77	81	82	83	86	89	91	91	85	85	82	80	81	79	76	77	75	76	77	76	75	75	74	73	71	69	66	63	59	53	98

Table D 3. Summary data for experimental .50 caliber blank fire on Fort Stewart, GA, 2000. RCW response 0 = no visible response, 1 = alert to cavity mouth, and 2 = flush from cavity.

Cluster	Date	Nesting Phase & Day	Event Type	Event Dist. (m)	RCW Resp.	Recovery time (min)	Remarks	Mic Pos.	File #	Spec. #	SEL (dB) at mic	
											Flat	A
2	4-May-00	I-8	50 cal Blank	75	2	2.65		Base	T1060	2	89.0	83.9
2	4-May-00	I-8	50 cal Blank	75	2	2.65		Base	T1060	7	92.8	87.4
2	6-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1030	7	107.9	104.8
2	6-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1032	3	106.3	105.6
2	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1034	3	85.5	85.6
2	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1034	7	87.7	87.9
2	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1035	3	97.4	90.0
2	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1035	7	99.5	92.6
2	6-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1029	3	110.9	105.7
2	6-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1029	8	112.5	107.4
2	6-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1030	3	107.1	103.4
2	6-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1016	8	116.4	106.7
2	6-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1017	4	116.3	107.5
2	6-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1017	7	116.9	108.2
2	6-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1016	4	115.8	106.1
2	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1023	8	108.4	98.8
2	6-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1019	7	106.7	106.2
2	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1021	3	90.3	90.9
2	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1021	7	91.7	92.1
2	6-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1032	8	108.2	107.4
2	6-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1033	3	98.9	98.7
2	6-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1033	7	100.0	99.8
2	6-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1018	4	101.2	101.4
2	6-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1018	8	101.1	101.2
2	6-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1019	3	106.0	105.4
6	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1635	2	102.8	90.6
6	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1635	6	102.1	89.6
6	9-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1637	3	99.6	87.4
6	9-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1639	3	80.3	80.3
6	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1618	2	103.5	94.8
6	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1620	3	102.4	98.6
6	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1620	6	101.8	97.8
6	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1621	3	87.9	88.1
6	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1630	7	90.9	91.2
6	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1632	3	84.7	84.8
6	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1623	3	93.5	94.1
6	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1623	6	92.1	92.5
6	9-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1624	3	83.3	83.6

6	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1632	6	83.7	83.7
6	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1633	3	107.8	95.9
6	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1633	7	109.0	97.0
6	9-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1624	7	82.4	82.5
6	9-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1626	3	98.5	90.0
6	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1630	3	89.3	89.5
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1131	2	89.2	82.7
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1132	1	89.5	84.2
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1132	4	90.2	84.4
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1135	3	89.3	82.0
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1136	2	90.6	82.5
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1136	18	91.3	83.5
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1137	11	94.1	87.9
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1137	25	94.5	87.6
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1133	1	89.2	82.0
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1133	5	89.5	82.2
10	2-May-00	I-5	50 cal Blank	45	0			Base	T1134	3	92.4	85.5
10	5-May-00	I-8	50 cal Blank	45	1			Base	T874	2	88.1	80.0
10	5-May-00	I-8	50 cal Blank	45	1			Base	T875	3	93.1	84.8
10	5-May-00	I-8	50 cal Blank	45	1			Base	T875	6	94.6	86.1
10	5-May-00	I-8	50 cal Blank	45	1			Base	T875	9	96.2	87.7
10	9-May-00	N-1	50 cal Blank	30	0			Base	T1182	4	93.6	93.3
10	9-May-00	N-1	50 cal Blank	30	0			Base	T1182	7	94.8	94.8
10	9-May-00	N-1	50 cal Blank	30	0			Base	T1182	10	94.3	94.0
12	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1648	3	88.5	88.6
12	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1648	7	86.8	86.8
12	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1649	3	99.0	92.0
12	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1649	6	98.0	90.9
12	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1651	3	107.4	97.4
12	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1651	7	105.6	96.8
12	9-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1643	3	109.6	99.5
12	9-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1643	7	107.4	97.1
12	9-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1645	3	95.4	95.7
12	9-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1645	7	93.2	93.5
12	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1646	2	82.5	82.8
12	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1646	6	82.4	82.4
23	16-May-00	I-6	50 cal Blank	60	0			Base	T881	3	95.3	89.0
23	16-May-00	I-6	50 cal Blank	60	0			Base	T881	5	95.6	88.6
23	16-May-00	I-6	50 cal Blank	60	0			Base	T881	7	93.5	86.5
23	2-Jun-00	I-4	50 cal Blank	90	0			Base	T1130	3	89.6	81.5
23	2-Jun-00	I-4	50 cal Blank	90	0			Base	T1130	7	89.5	81.4
23	2-Jun-00	I-4	50 cal Blank	90	0			Base	T1130	11	90.1	81.9

23	6-Jun-00	I-7	50 cal Blank	60	2	4.683		Base	T587	15	91.8	84.4
32	9-May-00	I-5	50 cal Blank	45	2	2.117		Base	T1106	3	91.0	91.5
32	9-May-00	I-5	50 cal Blank	45	2	2.117		Base	T1106	6	92.5	93.1
32	9-May-00	I-5	50 cal Blank	45	2	2.117		Base	T1106	9	94.1	94.6
32	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1756	2	110.9	99.5
32	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1756	6	113.9	102.5
32	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1758	2	99.3	95.2
32	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1758	6	101.9	97.5
32	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1759	3	94.5	89.7
32	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1759	8	85.4	79.8
32	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1759	9	96.4	91.1
32	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1760	3	110.3	98.3
32	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1760	9	112.2	100.3
36	10-May-00	I-8	50 cal Blank	75	2	2.317		Base	T788	3	90.1	84.7
36	10-May-00	I-8	50 cal Blank	75	2	2.317		Base	T788	7	90.6	85.2
36	10-May-00	I-8	50 cal Blank	75	2	2.317		Base	T788	10	91.4	86.8
36	12-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T1927	3	91.1	85.0
36	12-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T1929	3	100.3	92.0
36	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1931	2	95.5	86.9
36	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1931	6	97.2	88.3
36	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1932	2	88.1	83.6
36	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1932	6	89.9	85.7
36	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1935	2	88.1	81.2
36	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1935	6	88.9	81.9
36	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1937	2	93.2	84.9
36	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1937	6	93.8	85.3
36	12-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T1940	3	97.0	90.3
36	12-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T1940	7	97.4	91.2
36	12-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T1942	3	91.1	84.1
36	12-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T1942	7	91.6	84.8
36	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1944	3	100.2	93.9
36	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1944	6	101.6	95.3
36	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1946	3	105.4	97.0
36	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1946	7	106.3	98.7
42	25-Apr-00	I-7	50 cal Blank	90	2	15.033		Base	T563	4	87.3	83.9
42	25-Apr-00	I-7	50 cal Blank	90	2	15.033		Base	T563	8	88.5	85.0
42	1-May-00	N-2	50 cal Blank	120	0	0		Base	T1079	2	86.1	81.1
42	1-May-00	N-2	50 cal Blank	120	0	0		Base	T1079	7	85.1	80.3
42	1-May-00	N-2	50 cal Blank	120	0	0		Base	T1079	12	85.8	80.5
42	31-May-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1416	3	86.8	76.9
42	31-May-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1416	7	87.9	78.2
42	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1417	3	85.3	84.8

42	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1417	7	85.7	85.0
42	31-May-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1419	3	80.5	80.8
42	31-May-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1419	7	81.7	82.1
42	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1414	3	93.0	81.8
42	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1414	7	93.8	83.1
42	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1406	3	87.6	87.8
42	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1406	7	88.6	88.8
42	31-May-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1408	3	85.7	86.0
42	31-May-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1408	7	86.8	87.0
42	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1409	3	102.2	95.0
42	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1409	6	103.7	96.1
42	31-May-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1411	3	104.8	94.6
42	31-May-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1411	7	105.6	95.6
47	10-May-00	N-1	50 cal Blank	30	2	8.2		Base	T1048	2	96.9	96.6
47	10-May-00	N-1	50 cal Blank	30	2	8.2		Base	T1048	7	98.5	98.0
47	5-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1278	7	113.1	101.6
47	5-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1279	3	102.6	102.1
47	5-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1279	7	105.6	105.0
47	5-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1280	4	98.2	98.1
47	5-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1280	7	97.7	97.6
47	5-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1281	4	93.1	93.2
47	5-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1281	7	93.7	93.9
47	5-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1288	3	114.7	106.6
47	5-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1288	6	115.0	106.8
47	5-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1289	2	113.7	105.8
47	5-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1289	6	114.8	106.9
47	5-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1290	3	112.8	104.6
47	5-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1290	6	112.6	104.2
47	5-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1291	2	104.1	103.8
47	5-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1291	6	105.0	104.7
47	5-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1292	2	100.1	100.2
47	5-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1292	6	100.5	100.5
47	5-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1293	3	95.7	95.7
47	5-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1293	6	94.3	93.9
47	5-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1278	4	112.8	101.4
47	5-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1278	7	109.7	98.0
47	5-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1279	3	102.6	102.1
47	5-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1277	7	114.8	103.8
47	5-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1278	4	112.8	101.4
47	5-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1276	7	115.4	104.7
47	5-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1277	4	115.2	104.0
47	5-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1276	3	112.1	101.6

48	27-Apr-00	I-1	50 cal Blank	30	2	3.517		Base	T1172	4	100.8	94.3
48	27-Apr-00	I-1	50 cal Blank	30	2	3.517		Base	T1172	9	100.8	94.6
48	27-Apr-00	I-1	50 cal Blank	30	2	3.517		Base	T1172	14	92.8	87.1
48	27-Apr-00	I-1	50 cal Blank	30	2	3.517		Base	T1172	24	100.3	94.3
48	4-May-00	I-8	50 cal Blank	60	0			Base	T1007	4	100.0	90.3
48	4-May-00	I-8	50 cal Blank	60	0			Base	T1007	6	97.8	87.9
51	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1751	2	94.7	90.6
51	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1751	6	94.2	89.5
51	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1751	10	93.3	88.8
51	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1752	2	106.8	97.2
51	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1752	6	107.4	97.1
51	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1744	7	94.7	90.6
51	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1747	3	110.3	100.1
51	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1752	10	106.1	96.0
51	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1747	6	112.7	102.8
51	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1749	3	100.2	94.4
51	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1749	6	102.6	96.1
51	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1739	3	99.4	95.7
51	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1739	6	99.6	95.4
51	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1741	2	109.7	99.0
51	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1741	6	110.4	99.6
51	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1743	3	105.7	94.2
51	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1743	7	107.2	95.8
51	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1744	3	93.1	89.1
57	31-May-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T1395	7	107.9	95.4
57	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1396	3	81.9	81.7
57	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1396	8	84.4	84.1
57	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1397	3	95.6	85.5
57	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1397	7	98.3	88.4
57	31-May-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1399	3	88.0	86.6
57	31-May-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1399	7	87.6	86.2
57	31-May-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1400	4	85.5	84.1
57	31-May-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1400	8	86.0	84.7
57	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1402	3	85.1	84.2
57	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1402	6	85.5	84.4
57	31-May-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1394	3	107.7	95.4
57	31-May-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1394	6	107.6	94.7
57	31-May-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T1395	4	107.1	94.6
57	31-May-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T1385	3	96.9	86.2
57	31-May-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T1385	5	96.1	85.8
57	31-May-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1387	3	87.8	86.8
57	31-May-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1384	3	97.4	86.7

57	31-May-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1384	5	96.7	86.5
57	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1403	3	103.6	91.2
57	31-May-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1403	6	104.6	92.2
57	14-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T912	6	97.6	95.0
57	14-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T913	3	107.1	97.8
57	14-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T913	6	108.7	99.4
57	14-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T912	3	96.0	93.8
60	17-May-00	I-4	50 cal Blank	30	2	7.383		Base	T822	2	100.6	93.7
60	17-May-00	I-4	50 cal Blank	30	2	7.383		Base	T822	6	105.5	98.1
60	22-May-00	I-9	50 cal Blank	60	2	11.833		Base	T582	7	96.3	86.7
60	22-May-00	I-9	50 cal Blank	60	2	11.833		Base	T582	9	93.0	83.4
60	22-May-00	I-9	50 cal Blank	60	2	11.833		Base	T581	2	83.5	75.6
60	22-May-00	I-9	50 cal Blank	60	2	11.833		Base	T582	3	95.6	86.1
61	23-May-00	I-6	50 cal Blanks	60	2	5.683		Base	T543	4	92.2	87.7
61	23-May-00	I-6	50 cal Blanks	60	2	5.683		Base	T543	8	94.2	89.5
61	23-May-00	I-6	50 cal Blanks	60	2	5.683		Base	T543	12	95.4	90.6
62	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1587	3	85.4	85.6
62	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1587	6	86.6	86.8
62	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1589	4	87.6	87.7
62	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1589	10	88.3	88.4
62	8-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1590	3	80.3	80.6
62	8-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1590	7	79.2	79.3
62	8-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1591	3	100.3	92.5
62	8-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1591	7	99.1	91.2
62	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1594	3	102.0	95.1
62	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1594	7	103.0	95.8
62	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1596	4	98.2	91.2
62	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1596	7	97.0	90.5
62	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1597	3	86.7	86.9
62	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1597	7	87.5	87.6
62	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1599	4	84.1	84.3
62	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1599	7	83.7	83.8
62	8-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1601	3	80.1	80.2
62	8-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1601	6	81.5	81.8
62	8-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1603	3	94.5	86.0
62	8-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1603	6	95.4	86.9
62	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1584	2	112.0	101.9
62	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1584	6	112.0	102.1
62	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1586	4	112.8	103.3
62	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1586	10	113.8	104.5
71	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1948	3	102.9	98.3
71	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1948	6	103.1	98.6

71	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1951	3	106.2	92.8
71	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1951	6	106.3	93.3
71	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1953	3	107.1	92.6
71	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1953	7	107.2	92.8
71	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1955	3	102.7	95.7
71	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1955	7	102.7	95.5
71	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1957	3	94.0	86.7
71	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1957	6	93.5	86.0
71	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1958	3	99.2	85.6
71	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1958	6	98.9	83.9
71	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1960	3	104.2	99.2
71	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1960	6	105.5	101.3
71	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1962	3	101.5	95.8
71	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1962	6	100.4	94.1
71	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1964	3	116.0	107.3
71	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1964	6	117.4	108.6
71	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1966	3	116.8	107.9
71	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1966	6	115.6	106.8
71	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1968	3	108.4	98.1
71	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1970	3	92.2	85.0
75	11-May-00	I-9	50 cal Blank	60	0			Base	T789	3	95.4	86.5
75	11-May-00	I-9	50 cal Blank	60	0			Base	T789	6	97.2	88.4
75	11-May-00	I-9	50 cal Blank	60	0			Base	T789	9	97.8	88.9
75	18-May-00	N-5	50 cal Blank	15	0			Base	T986	2	103.4	102.8
75	18-May-00	N-5	50 cal Blank	15	0			Base	T986	5	104.7	104.2
75	18-May-00	N-5	50 cal Blank	15	0			Base	T986	9	106.0	105.4
75	9-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1918	3	116.1	107.0
75	9-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1918	6	116.0	107.0
75	9-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1920	3	101.3	96.6
75	9-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1920	6	101.6	97.1
75	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1922	3	94.1	86.2
75	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1922	6	93.2	85.5
75	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1924	3	110.7	100.2
75	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1924	6	109.9	99.3
75	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1925	3	109.9	100.0
75	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1925	7	109.5	99.4
75	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1926	4	92.1	85.2
75	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1926	7	91.7	85.1
79	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1479	3	99.7	100.0
79	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1479	7	97.3	97.7
79	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1476	4	107.1	95.1
79	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1476	8	105.5	93.3

79	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1477	2	109.3	98.0
79	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1478	3	115.2	103.3
79	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1478	7	112.7	100.8
79	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1468	2	94.9	95.2
79	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1469	2	108.8	99.1
79	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1470	3	105.5	96.2
79	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1471	3	102.9	92.9
79	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1471	8	103.4	93.4
79	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1472	3	92.7	93.1
79	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1473	4	85.9	86.3
79	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1473	8	86.8	87.2
79	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1474	4	85.4	85.8
79	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1474	8	83.8	84.2
79	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1475	3	91.2	91.7
80	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T922	3	101.4	91.9
80	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T922	8	100.1	90.2
80	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T923	3	88.6	83.6
80	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T923	8	85.6	80.6
80	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T926	3	105.5	96.1
80	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T926	7	105.5	95.8
80	15-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T927	4	106.8	96.5
80	15-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T927	9	107.2	97.0
80	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T928	2	92.9	87.8
80	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T928	7	92.2	87.2
80	15-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T929	4	90.2	84.6
80	15-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T929	9	91.3	85.5
80	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T930	4	89.6	83.4
80	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T930	7	87.7	81.3
80	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T931	4	102.0	92.0
80	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T931	8	101.1	91.0
81	2-Jun-00	I-6	50 cal Blank	60	0			Base	T1464	11	90.5	91.3
81	2-Jun-00	I-6	50 cal Blank	60	0			Base	T1464	18	89.5	90.3
81	2-Jun-00	I-6	50 cal Blank	60	0			Base	T1464	4	88.7	89.3
81	5-Jun-00	I-9	50 cal Blank	30	0			Base	T1006	4	97.8	98.2
81	5-Jun-00	I-9	50 cal Blank	30	0			Base	T1006	10	97.6	98.0
83	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1805	3	112.8	100.8
83	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1805	10	112.6	100.5
83	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1807	3	102.8	99.0
83	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1807	10	102.5	97.9
83	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1809	4	98.9	90.8
83	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1809	8	97.2	89.6
83	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1810	4	111.7	98.4

83	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1810	9	109.9	96.8
83	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1813	4	112.6	102.5
83	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1813	8	114.1	104.2
83	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1814	8	104.5	92.7
83	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1815	4	101.7	95.1
83	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1815	8	103.2	96.0
83	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1816	3	97.6	82.8
83	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1817	4	94.3	87.3
83	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1817	9	96.3	88.9
83	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1818	5	109.9	98.5
83	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1818	9	111.6	100.4
86	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1298	2	87.5	87.6
86	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1300	2	83.2	83.9
86	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1300	5	86.0	86.6
86	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1302	3	78.2	78.6
86	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1302	7	78.4	78.8
86	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1303	2	100.8	90.2
86	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1303	6	103.0	92.6
86	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1305	3	99.5	88.6
86	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1305	7	100.8	89.9
86	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1310	2	103.0	96.8
86	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1310	6	103.8	97.6
86	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1312	3	107.5	102.0
86	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1312	7	109.2	103.6
86	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1313	2	78.0	78.4
86	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1313	6	79.1	79.5
86	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1315	3	85.1	85.0
86	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1315	7	87.0	86.8
86	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1316	2	80.7	80.8
86	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1316	6	83.7	83.8
86	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1317	3	102.2	96.4
86	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1317	6	104.2	98.4
86	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1296	2	108.5	98.7
86	6-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1296	4	108.8	99.1
87	17-May-00	I-7	50 cal Blanks	30	2	0.983		Base	T489	5	97.3	96.4
87	17-May-00	I-7	50 cal Blanks	30	2	0.983		Base	T489	9	96.8	95.9
87	17-May-00	I-7	50 cal Blanks	30	2	0.983		Base	T489	13	98.2	97.1
88	12-May-00	I-8	50 cal Blanks	60	2	4.817		Base	T321	2	84.4	84.7
88	12-May-00	I-8	50 cal Blanks	60	2	4.817		Base	T321	5	85.4	85.7
88	12-May-00	I-8	50 cal Blanks	60	2	4.817		Base	T321	7	86.1	86.3
88	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1715	3	95.9	96.2
88	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1715	7	97.3	97.7

88	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1717	3	111.5	100.6
88	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1717	7	112.8	101.9
88	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1718	3	109.3	97.9
88	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1718	7	109.6	98.1
88	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1719	3	90.2	90.4
88	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1719	7	90.6	90.8
107	4-May-00	I-2	50 cal Blank	45	2	2.3		Base	T1000	2	93.7	85.7
107	4-May-00	I-2	50 cal Blank	45	2	2.3		Base	T1000	5	93.9	86.3
107	4-May-00	I-2	50 cal Blank	45	2	2.3		Base	T1000	7	89.8	82.0
107	8-May-00	I-6	50 cal Blank	90	0			Base	T823	4	91.1	82.4
107	8-May-00	I-6	50 cal Blank	90	0			Base	T823	7	92.9	84.1
107	8-May-00	I-6	50 cal Blank	90	0			Base	T823	10	93.9	85.3
107	11-May-00	I-9	50 cal Blanks	60	2	4.45		Base	T533	8	93.8	88.8
107	15-May-00	N-2	50 cal Blank	90	0			Base	T1081	12	81.7	82.2
107	15-May-00	N-2	50 cal Blank	90	0			Base	T1081	7	80.5	80.8
107	15-May-00	N-2	50 cal Blank	90	0			Base	T1081	9	80.9	81.5
107	9-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1906	3	95.8	92.4
107	9-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1906	7	96.0	92.3
107	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1908	3	91.4	87.2
107	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1908	7	94.3	90.5
107	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1910	3	106.5	99.3
107	9-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1910	7	109.2	101.7
107	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1911	3	98.3	92.0
107	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1911	7	99.2	92.9
107	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1912	3	87.6	83.6
107	9-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1912	7	88.4	84.4
107	9-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1904	3	107.8	99.8
107	9-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1904	7	107.8	99.7
120	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1725	2	113.1	103.9
120	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1725	7	114.5	105.5
120	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1725	13	111.7	102.6
120	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1727	2	99.5	95.4
120	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1727	7	101.7	97.5
120	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1727	13	98.6	94.1
120	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1729	2	101.7	97.0
120	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1729	7	105.6	100.7
120	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1730	2	105.0	95.6
120	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1730	7	108.7	99.0
120	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1731	2	99.2	90.1
120	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1731	5	99.5	90.5
120	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1732	2	93.9	87.7
120	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1732	5	94.1	88.1

126	13-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1693	3	112.4	101.9
126	13-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1693	8	111.2	100.4
126	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1694	4	109.2	99.1
126	13-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1696	3	103.4	103.5
126	13-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1696	8	101.9	101.7
126	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1697	4	96.5	96.7
126	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1698	4	88.7	88.7
126	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1698	7	88.5	88.6
126	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1698	10	87.2	87.1
126	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1699	1	104.4	93.0
126	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1699	5	104.6	92.8
126	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1699	8	105.1	93.2
126	13-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1705	2	111.8	103.8
126	13-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1705	6	109.6	101.9
126	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1706	2	108.0	98.6
126	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1706	6	115.6	106.4
126	13-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1708	2	103.8	103.9
126	13-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1708	6	101.4	101.4
126	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1709	2	92.0	92.0
126	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1709	6	100.5	100.8
126	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1710	3	89.7	90.0
126	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1710	7	90.0	90.2
126	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1711	3	110.8	100.3
126	13-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1711	7	111.8	101.4
133	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T914	2	99.2	95.4
133	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T914	5	99.6	94.8
133	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T915	2	111.1	98.2
133	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T915	5	111.5	98.7
133	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T916	1	107.7	93.9
133	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T916	5	108.0	94.3
133	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T917	2	92.9	85.2
133	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T917	5	93.8	87.4
133	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T918	3	87.0	80.6
133	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T918	7	87.5	81.2
133	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T919	3	101.2	87.7
133	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T919	7	102.3	88.6
137	31-May-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1796	4	98.2	88.7
137	31-May-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1796	9	98.2	88.7
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1797	4	112.1	103.0
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1797	9	114.2	105.3
137	31-May-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1798	4	113.6	104.6
137	31-May-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1798	9	113.2	104.3

137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1785	4	98.4	96.2
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1785	9	98.4	95.6
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1786	3	99.3	97.3
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1786	8	100.7	98.3
137	31-May-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1787	3	96.5	92.7
137	31-May-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1787	7	96.5	93.4
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1788	4	105.5	94.9
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1788	9	105.7	94.8
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1789	3	105.7	95.7
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1789	8	107.4	96.8
137	31-May-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1790	3	105.1	93.3
137	31-May-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1790	7	104.5	93.5
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1795	4	98.6	91.8
137	31-May-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1795	9	100.8	94.0
139	11-May-00	I-7	50 cal Blanks	90	0			Base	T509	2	89.3	82.3
139	11-May-00	I-7	50 cal Blanks	90	0			Base	T509	5	88.9	81.4
139	11-May-00	I-7	50 cal Blanks	90	0			Base	T509	9	91.8	84.4
139	15-May-00	N-0	50 cal Blank	60	2	3.87		Base	T1722	7	94.4	86.2
139	15-May-00	N-0	50 cal Blank	60	2	3.87		Base	T1722	10	96.0	88.3
139	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1654	9	114.0	104.4
139	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1656	4	96.4	96.2
139	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1656	9	97.1	96.8
139	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1658	3	91.3	91.4
139	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1658	7	89.9	90.0
139	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1660	3	85.5	85.3
139	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1660	7	82.3	81.9
139	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1661	3	112.9	102.6
139	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1661	8	115.4	105.1
139	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1663	3	111.4	100.4
139	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1663	8	108.9	97.8
139	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1666	4	109.0	100.8
139	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1668	4	96.1	96.2
139	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1670	4	90.3	90.6
139	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1654	4	113.1	103.2
139	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1670	9	88.6	88.9
139	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1672	4	84.0	84.2
139	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1672	10	85.5	85.7
139	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1673	4	106.8	97.6
139	12-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1673	9	104.1	93.2
139	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1675	4	101.0	91.9
139	12-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1675	9	102.0	92.8
148	25-Apr-00	I-2	50 cal Blank	45	0			Base	T972	2	101.1	95.1

148	25-Apr-00	I-2	50 cal Blank	45	0			Base	T972	8	100.1	93.4
148	1-May-00	I-8	50 cal Blank	30	1			Base	T1369	2	103.0	96.2
148	1-May-00	I-8	50 cal Blank	30	1			Base	T1369	6	101.3	94.4
148	1-May-00	I-8	50 cal Blank	30	1			Base	T1369	12	104.3	96.6
148	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1682	4	115.8	106.0
148	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1682	8	113.5	103.3
148	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1683	4	115.8	104.7
148	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1683	9	108.7	97.6
148	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1683	11	114.2	103.2
148	12-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1684	3	111.0	100.3
148	12-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1684	8	111.8	100.6
148	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1685	4	102.1	102.3
148	12-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1685	8	100.0	100.1
148	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1686	4	97.0	97.1
148	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1686	9	91.5	91.9
148	12-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1686	11	96.6	97.0
148	12-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1687	3	92.6	92.8
148	12-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1687	9	95.5	95.7
159	30-May-00	post-fledg	50 cal Blank	30	0			Base	T893	3	104.4	98.3
159	30-May-00	post-fledg	50 cal Blank	30	0			Base	T894	2	101.9	94.9
159	30-May-00	post-fledg	50 cal Blank	30	0			Base	T894	5	102.1	95.2
159	30-May-00	post-fledg	50 cal Blank	45	0			Base	T895	2	97.6	89.8
159	30-May-00	post-fledg	50 cal Blank	45	0			Base	T895	6	99.1	90.2
159	30-May-00	post-fledg	50 cal Blank	30	0			Cav	T896	4	119.2	108.6
159	30-May-00	post-fledg	50 cal Blank	30	0			Cav	T897	2	116.8	106.0
159	30-May-00	post-fledg	50 cal Blank	30	0			Cav	T897	5	116.2	105.6
159	30-May-00	post-fledg	50 cal Blank	45	0			Cav	T898	2	112.5	101.5
159	30-May-00	post-fledg	50 cal Blank	45	0			Cav	T898	6	112.8	101.8
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1858	3	92.3	88.1
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1858	7	92.0	87.8
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1863	3	111.3	101.0
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1863	7	112.0	101.6
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1864	2	115.1	105.6
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1864	6	115.0	105.6
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1866	3	100.6	93.6
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1866	7	101.0	94.0
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1867	2	104.3	101.2
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1867	6	104.2	101.1
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1869	3	92.9	87.7
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1869	7	92.7	87.4
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1870	3	110.7	99.3
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1870	7	110.1	98.7

163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1875	3	112.1	103.0
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1875	7	112.9	104.2
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1876	4	114.6	106.9
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1876	8	113.7	105.5
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1878	3	100.4	97.6
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1878	6	100.8	97.4
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1879	4	106.5	104.7
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1879	7	105.2	103.2
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1881	3	92.0	87.2
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1881	7	93.7	88.5
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1882	3	107.2	97.4
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1882	7	108.6	100.5
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1852	4	115.0	105.4
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1852	7	116.7	106.9
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1854	4	104.1	102.4
163	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1854	7	105.6	104.4
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1855	4	102.4	95.8
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1855	8	103.9	97.5
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1856	4	116.1	105.2
163	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1856	8	117.5	106.6
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1857	3	108.9	100.2
163	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1857	7	108.5	99.3
172	12-May-00	I-8	50 cal Blank	30	2	1.9		Base	T1049	3	95.1	94.8
172	12-May-00	I-8	50 cal Blank	30	2	1.9		Base	T1049	6	95.5	94.3
172	12-May-00	I-8	50 cal Blank	30	2	1.9		Base	T1049	8	90.6	67.5
172	16-May-00	N-1	50 cal Blank	60	0			Base	T566	5	86.2	86.1
172	16-May-00	N-1	50 cal Blank	60	0			Base	T566	8	87.6	87.4
172	16-May-00	N-1	50 cal Blank	60	0			Base	T566	11	88.6	88.4
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1482	4	104.9	94.8
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1482	8	107.7	97.4
172	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1483	3	107.9	98.3
172	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1483	10	108.4	99.0
172	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1484	5	112.3	102.5
172	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1484	9	105.6	95.8
172	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1484	12	110.5	100.7
172	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1485	5	97.6	97.8
172	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1485	9	91.4	91.6
172	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1485	12	96.9	97.2
172	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1486	3	100.8	101.1
172	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1486	7	99.9	100.1
172	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1487	4	104.6	95.9
172	14-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1487	8	104.7	96.4

172	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1488	3	94.7	89.4
172	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1488	7	98.5	93.2
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1489	2	90.2	84.1
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1489	6	89.8	84.2
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1489	9	89.5	83.4
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1489	16	89.9	83.9
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1489	19	93.3	87.4
172	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1490	3	89.0	89.5
172	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1490	7	92.7	93.2
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1491	2	81.0	81.5
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1491	6	80.8	81.3
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1491	9	80.6	81.1
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1491	16	80.3	80.7
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1491	19	83.8	84.2
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1480	4	83.6	83.8
172	14-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1480	9	86.7	86.9
172	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1481	3	90.9	90.9
172	14-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1481	10	92.3	92.3
177	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T932	2	98.5	94.0
177	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T932	14	101.1	96.4
177	15-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T933	2	96.1	92.3
177	15-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T933	8	96.0	91.2
177	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T935	3	108.3	99.5
177	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T935	15	110.5	101.8
177	15-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T936	2	108.6	100.0
177	15-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T936	8	108.3	100.2
177	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T938	3	104.0	95.3
177	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T938	8	104.3	95.4
177	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T939	3	93.1	85.5
177	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T939	7	92.7	85.3
177	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T940	2	95.2	88.6
177	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T940	6	95.3	88.5
177	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T941	2	105.7	97.0
177	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T941	6	105.2	96.7
177	15-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T943	2	109.9	100.9
177	15-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T943	7	111.3	102.4
177	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T944	2	109.2	100.9
177	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T944	7	111.4	103.0
177	15-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T946	2	99.4	93.3
177	15-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T946	6	101.1	95.0
177	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T947	2	100.3	96.0
177	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T947	7	102.7	98.1

183	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1443	7	94.7	84.4
183	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1445	3	84.5	84.9
183	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1445	7	86.0	86.5
183	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1447	3	94.9	95.1
183	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1447	7	93.2	93.4
183	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1449	3	103.5	94.4
183	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1449	7	103.0	92.5
183	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1452	4	83.3	83.7
183	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1452	8	83.9	84.3
183	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1453	9	91.7	80.2
183	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1453	12	92.4	81.1
183	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1430	3	107.1	97.7
183	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1430	7	107.3	97.8
183	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1432	3	90.2	89.9
183	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1432	7	90.8	90.7
183	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1434	3	86.6	86.8
183	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1434	7	88.5	89.0
183	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1436	3	102.8	94.4
183	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1436	6	103.1	94.6
183	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1438	3	101.0	91.2
183	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1438	8	100.3	90.7
183	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1439	4	85.3	85.7
183	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1439	8	85.3	85.7
183	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1440	3	81.4	81.9
183	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1441	3	89.7	77.8
183	1-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1443	2	93.5	83.4
194	26-Apr-00	I-6	50 cal Blank	30	2	3.817		Base	T1004	3	102.4	94.5
194	26-Apr-00	I-6	50 cal Blank	30	2	3.817		Base	T1004	10	103.9	96.1
194	26-Apr-00	I-6	50 cal Blank	30	2	3.817		Base	T1004	16	102.6	94.8
194	2-May-00	I-1	50 cal Blank	15	2	6.5		Base	T1153	3	95.5	91.1
194	2-May-00	I-1	50 cal Blank	15	2	6.5		Base	T1162	3	100.2	93.8
194	2-May-00	I-1	50 cal Blank	15	2	6.5		Base	T1162	7	103.7	97.2
194	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1826	10	100.7	94.0
194	1-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1827	4	103.3	98.9
194	1-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1827	9	103.3	98.6
194	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1828	4	98.7	92.7
194	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1828	9	99.1	92.4
194	1-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1829	4	113.9	105.2
194	1-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1829	9	113.7	105.2
194	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1830	4	113.1	104.0
194	1-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1823	4	115.8	102.9
194	1-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1823	9	115.8	102.9

194	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1824	4	113.9	99.3
194	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1824	10	113.9	99.5
194	1-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1825	3	104.1	97.9
194	1-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1825	8	104.0	98.5
194	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1826	4	100.4	94.8
194	1-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1830	9	113.2	104.0
197	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1984	9	97.5	96.0
197	13-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1985	5	94.8	91.1
197	13-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T1985	9	92.1	87.7
197	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1986	5	108.2	97.5
197	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1986	9	105.9	95.5
197	13-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1987	5	105.8	94.4
197	13-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1987	9	103.6	91.8
197	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1988	9	100.9	96.4
197	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1989	2	90.8	86.2
197	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1990	9	111.4	102.9
197	13-Jun-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T1991	2	103.2	94.3
197	13-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1984	4	99.3	97.2
198	30-May-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T903	7	97.5	88.6
198	30-May-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T905	3	94.1	85.1
198	30-May-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T905	7	93.9	84.0
198	30-May-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T906	3	106.6	95.1
198	30-May-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T906	7	106.4	94.7
198	30-May-00	post-fledg	50 cal Blank	45			Extrapolation	Base	T901	2	110.3	98.4
198	30-May-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T901	7	111.9	100.0
198	30-May-00	post-fledg	50 cal Blank	45			Extrapolation	Cav	T903	2	96.0	88.5
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1533	2	88.4	87.8
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1520	3	110.1	102.8
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1520	7	105.4	98.1
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1520	11	108.2	100.6
201	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1521	3	113.9	107.3
201	21-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1521	14	113.3	106.5
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1522	3	89.5	88.7
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1522	6	84.7	83.6
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1522	10	86.6	85.1
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1523	3	102.0	100.9
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1523	14	100.8	99.8
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1530	3	109.7	100.1
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1531	2	108.6	99.2
201	21-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1532	3	88.1	87.6
205	6-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T1038	3	107.8	96.8
205	6-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T1038	8	110.1	99.3

205	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1040	3	107.2	95.3
205	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1040	7	108.2	96.3
205	6-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T1041	3	85.7	85.5
205	6-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T1041	7	89.7	89.6
205	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1043	3	82.8	82.9
205	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1043	7	84.6	84.8
205	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1045	3	78.0	77.4
205	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1045	7	79.1	78.8
205	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1047	3	104.0	92.0
205	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1047	7	103.7	92.2
205	6-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T1320	3	78.3	78.4
205	6-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T1320	7	84.3	84.5
205	6-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Base	T1320	11	86.0	86.1
205	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1322	3	83.8	84.2
205	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1322	7	85.9	85.9
205	6-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T1323	3	97.1	86.3
205	6-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T1323	7	104.1	93.4
205	6-Jun-00	post-fledg	50 cal Blank	75			Extrapolation	Cav	T1323	11	105.5	94.7
205	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1325	3	103.9	92.5
205	6-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1325	7	105.8	95.4
205	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1327	6	101.3	91.1
205	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1329	3	79.6	79.6
205	6-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1329	6	81.7	81.7
207	27-Apr-00	I-1	50 cal Blank	60	2	26.783		Base	T883	3	94.1	85.7
207	27-Apr-00	I-1	50 cal Blank	60	2	26.783		Base	T883	9	97.2	88.5
207	27-Apr-00	I-1	50 cal Blank	60	2	26.783		Base	T883	13	95.6	87.3
207	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1843	7	106.5	97.1
207	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1845	3	99.1	89.3
207	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1845	6	95.5	85.0
207	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1845	11	96.5	84.3
207	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	0	0	90.9	85.0
207	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1846	6	88.3	84.3
207	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1846	11	88.2	80.6
207	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1837	3	109.7	99.4
207	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1837	11	110.8	100.5
207	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1839	10	103.6	99.3
207	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1841	3	96.0	92.6
207	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1841	7	98.5	95.4
207	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1843	3	104.4	94.3
207	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1512	3	96.6	97.0
207	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1512	7	97.7	98.0
207	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1513	3	105.6	97.8

207	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1513	7	106.5	99.1
207	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1514	3	96.4	86.0
207	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1514	7	100.2	90.0
207	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1515	3	103.3	96.6
207	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1515	5	101.9	96.1
207	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1516	3	81.0	81.0
207	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1516	7	84.1	84.2
207	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1517	3	92.0	92.5
207	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1517	6	93.9	94.5
216	8-May-00	N-4	50 cal Blank	120	0			Base	T1186	6	85.9	79.3
216	8-May-00	N-4	50 cal Blank	120	0			Base	T1186	8	88.3	81.2
216	8-May-00	N-4	50 cal Blank	120	0			Base	T1186	3	85.7	79.2
216	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1422	3	98.7	90.6
216	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1422	6	98.8	90.3
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1424	3	94.6	87.4
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1424	7	95.8	88.5
216	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1425	3	84.6	85.3
216	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1425	6	83.9	84.5
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1427	4	82.4	83.0
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1427	7	83.0	83.7
216	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1456	3	103.0	93.4
216	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1456	7	102.3	92.7
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1458	3	101.1	90.7
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1458	6	99.5	89.1
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1458	9	99.4	89.0
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1458	11	99.1	88.6
216	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1459	4	83.1	82.6
216	1-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1459	7	82.6	82.3
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1461	4	81.2	81.5
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1461	6	78.7	78.9
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1461	9	78.4	78.6
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1461	12	77.9	78.1
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1462	3	78.5	78.8
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1462	6	78.2	78.5
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1462	9	78.5	78.8
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1463	3	99.9	89.2
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1463	6	99.9	89.4
216	1-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1463	9	99.9	89.3
218	8-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1606	3	107.0	100.2
218	8-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1606	6	107.8	100.8
218	8-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1608	3	96.1	95.8
218	8-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1608	6	96.6	96.3

218	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1610	3	86.7	86.8
218	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1610	6	88.1	88.1
218	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1612	4	84.8	85.0
218	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1612	8	84.4	84.5
218	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1613	3	102.3	95.4
218	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1613	6	103.5	97.2
218	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1615	4	99.4	93.4
218	8-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1615	7	97.8	89.5
221	23-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1379	3	89.1	89.3
221	23-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1373	2	112.0	102.2
221	23-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1373	8	113.5	103.7
221	23-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1375	2	95.6	95.0
221	23-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1375	8	97.2	96.6
221	23-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1376	4	106.4	96.3
221	23-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1377	4	106.9	96.7
221	23-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1378	4	88.3	88.5
222	8-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1888	5	111.7	101.8
222	8-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1888	8	111.3	101.4
222	8-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1889	5	114.3	105.0
222	8-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1889	8	115.0	105.8
222	8-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1891	5	100.0	93.4
222	8-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1891	8	99.5	92.8
222	8-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1892	5	105.0	102.5
222	8-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1892	8	105.6	103.0
222	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1893	4	92.5	86.0
222	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1893	8	93.9	87.5
222	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1894	4	108.0	97.1
222	8-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1894	8	109.1	98.7
227	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1492	3	83.7	84.1
227	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1492	7	84.8	85.1
227	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1493	4	88.7	88.9
227	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1493	7	90.5	90.8
227	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1494	3	99.7	88.6
227	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1494	7	100.7	89.6
227	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1495	4	101.8	91.0
227	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1495	7	103.8	93.1
227	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1497	4	111.5	100.7
227	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1497	18	111.6	100.9
227	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1499	4	101.9	102.0
227	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1499	18	102.9	103.0
227	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1505	3	98.7	98.6
227	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1505	6	101.1	101.1

227	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1507	3	108.2	96.7
227	15-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1507	6	109.6	97.9
227	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1508	3	103.2	92.2
227	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1508	7	103.2	91.4
227	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1509	3	100.7	88.5
227	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Cav	T1509	6	100.5	89.4
227	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1510	3	90.7	91.3
227	15-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1510	7	91.2	91.8
227	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1511	3	84.7	85.0
227	15-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1511	6	83.7	83.7
228	27-Apr-00	I-2	50 cal Blank	90	2	2.983		Base	T1143	6	91.7	82.6
228	27-Apr-00	I-2	50 cal Blank	90	2	2.983		Base	T1143	9	94.5	85.4
228	27-Apr-00	I-2	50 cal Blank	90	2	2.983		Base	T1143	13	95.0	86.1
228	1-May-00	I-6	50 cal Blanks	120	2	13.267		Base	T491	3	85.4	75.1
228	1-May-00	I-6	50 cal Blanks	120	2	13.267		Base	T491	8	85.9	75.8
228	1-May-00	I-6	50 cal Blanks	120	2	13.267		Base	T491	13	85.9	75.2
228	4-May-00	I-9	50 cal Blank	240	0			Base	T820	4	61.1	54.7
228	4-May-00	I-9	50 cal Blank	150	0			Base	T821	3	81.1	70.1
228	4-May-00	I-9	50 cal Blank	150	0			Base	T821	7	86.7	75.7
228	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1548	3	97.7	85.6
228	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1548	9	98.9	86.7
228	7-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1551	2	91.2	78.6
228	7-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1551	5	93.3	80.6
228	7-Jun-00	post-fledg	50 cal Blank	150			Extrapolation	Cav	T1553	2	86.5	74.0
228	7-Jun-00	post-fledg	50 cal Blank	150			Extrapolation	Cav	T1553	5	88.2	75.4
228	7-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1555	2	71.7	70.8
228	7-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1555	5	73.9	72.4
228	7-Jun-00	post-fledg	50 cal Blank	150			Extrapolation	Base	T1557	2	68.6	66.6
228	7-Jun-00	post-fledg	50 cal Blank	150			Extrapolation	Base	T1557	5	70.9	67.9
228	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1537	4	90.3	82.8
228	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1537	11	93.2	83.8
228	7-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1539	3	89.1	77.3
228	7-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Base	T1539	6	91.2	79.4
228	7-Jun-00	post-fledg	50 cal Blank	150			Extrapolation	Cav	T1541	4	88.8	76.5
228	7-Jun-00	post-fledg	50 cal Blank	150			Extrapolation	Cav	T1541	7	88.2	76.2
228	7-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1543	3	75.4	75.1
228	7-Jun-00	post-fledg	50 cal Blank	120			Extrapolation	Cav	T1543	6	77.8	77.6
228	7-Jun-00	post-fledg	50 cal Blank	150			Extrapolation	Cav	T1545	4	75.7	75.2
228	7-Jun-00	post-fledg	50 cal Blank	150			Extrapolation	Cav	T1545	7	75.3	74.7
228	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1546	3	76.4	75.9
228	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1546	9	79.4	78.7
228	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1535	4	79.2	79.1

228	7-Jun-00	post-fledg	50 cal Blank	90			Extrapolation	Base	T1535	11	81.3	81.1
289	9-May-00	Incubation	50 cal Blank	60	2	13.883		Base	T954	8	92.9	88.9
289	9-May-00	Incubation	50 cal Blank	60	2	13.883		Base	T954	2	88.0	83.5
289	9-May-00	Incubation	50 cal Blank	60	2	13.883		Base	T954	5	93.4	89.0
289	12-May-00	Incubation	50 cal Blank	90	0			Base	T1197	2	91.5	85.8
289	12-May-00	Incubation	50 cal Blank	90	0			Base	T1197	5	91.3	85.1
289	12-May-00	Incubation	50 cal Blank	90	0			Base	T1197	8	94.9	88.5
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1764	2	110.7	100.8
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1764	9	110.7	100.8
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1766	2	100.5	95.7
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1766	9	100.4	95.4
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1767	3	94.0	87.8
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1767	9	95.5	89.1
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1768	3	106.1	95.4
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1768	9	107.8	97.1
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1772	1	111.6	102.1
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1772	6	111.5	102.0
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1774	1	97.7	93.3
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1774	6	98.0	93.4
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1775	2	95.7	89.0
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1775	7	89.1	82.7
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1775	24	96.4	90.2
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1776	2	111.4	101.1
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1776	7	105.0	94.7
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1776	24	112.0	101.7
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1779	2	110.4	101.8
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1779	8	107.9	99.6
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1781	2	99.9	94.5
294/176	22-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1781	7	98.4	92.9
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1783	2	94.0	86.2
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1783	6	95.5	87.5
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1784	3	106.9	97.7
294/176	22-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1784	6	107.9	98.6
296	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1563	5	118.2	110.5
296	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1564	4	113.9	105.3
296	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1564	8	116.1	107.5
296	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1566	5	107.7	107.6
296	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1567	4	99.2	99.6
296	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1567	8	100.3	100.8
296	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1568	3	86.2	86.5
296	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1568	8	86.8	87.1
296	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1569	8	107.5	100.1

296	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Base	T1574	2	106.1	94.5
296	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1574	9	106.6	94.8
296	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1575	3	109.4	98.5
296	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Cav	T1575	7	110.3	99.7
296	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1577	3	96.1	96.4
296	7-Jun-00	post-fledg	50 cal Blank	30			Extrapolation	Cav	T1577	8	96.0	96.1
296	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1578	3	101.0	101.2
296	7-Jun-00	post-fledg	50 cal Blank	15			Extrapolation	Base	T1578	7	102.7	102.7
296	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1580	3	87.6	87.8
296	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Base	T1580	7	86.7	87.0
296	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1581	2	105.3	95.8
296	7-Jun-00	post-fledg	50 cal Blank	60			Extrapolation	Cav	T1581	7	105.8	95.5

Table D 4. Representative unweighted spectra for experimental .50-caliber blank fire on Fort Stewart, GA, 2000.

CL	Date	Event Type	Event Dist. (m)	File #	Spec. #	Band SEL (dB) at 1/3 Octave Spectrum Center Frequencies (Hz)																																							Calc. Overall SEL
						10	13	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	
2	5/4	50 cal Blank	75	T1060	2	53	49	65	62	70	71	74	76	78	80	81	80	77	71	71	70	69	71	73	74	74	75	74	73	73	72	70	68	66	62	57	50	39	27	89
2	5/4	50 cal Blank	75	T1060	7	58	52	66	69	73	73	77	80	82	84	85	84	81	75	75	73	72	74	76	77	77	78	78	78	76	75	74	71	69	66	61	54	42	31	93
2	6/6	50 cal Blank	30	T1016	4	77	73	70	78	75	78	80	81	80	83	87	93	111	113	93	89	89	102	93	93	94	91	87	86	85	82	80	77	74	70	69	66	59	53	116
2	6/6	50 cal Blank	30	T1016	8	73	74	73	75	78	79	80	83	82	86	89	94	112	114	95	89	90	103	94	93	94	91	87	86	85	83	81	78	75	72	70	67	61	53	116
2	6/6	50 cal Blank	15	T1017	4	80	74	71	73	73	78	77	80	82	85	86	93	110	115	93	89	89	103	96	93	97	94	91	90	89	86	84	82	80	78	75	72	66	61	116
2	6/6	50 cal Blank	15	T1017	7	79	76	70	74	76	79	79	81	84	86	89	94	111	115	95	89	90	104	97	94	98	95	92	91	90	87	84	82	80	78	76	73	68	60	117
2	6/6	50 cal Blank	30	T1018	4	61	62	62	62	59	66	69	71	73	77	79	79	80	83	85	83	81	82	82	87	88	88	90	90	92	92	93	92	88	86	85	83	76	67	101
2	6/6	50 cal Blank	30	T1018	8	60	53	51	61	61	67	67	71	73	76	79	80	81	83	86	84	82	84	82	86	87	87	90	91	91	92	92	91	88	87	85	83	76	65	101
2	6/6	50 cal Blank	15	T1019	3	68	70	68	70	67	73	74	76	77	81	82	82	83	92	94	92	92	93	88	92	93	94	95	95	95	95	93	93	93	92	92	91	85	76	106
2	6/6	50 cal Blank	15	T1019	7	65	62	53	70	69	74	74	77	79	81	83	83	84	92	95	93	92	93	88	91	93	96	95	96	95	96	94	95	93	93	92	91	85	77	107
2	6/6	50 cal Blank	60	T1021	3	52	47	46	50	49	52	53	56	58	64	66	66	65	68	69	65	68	73	74	77	80	81	84	82	81	79	78	75	74	72	70	66	57	44	90
2	6/6	50 cal Blank	60	T1021	7			43	43	45	50	53	57	60	66	67	68	68	69	72	68	70	75	76	79	80	82	83	83	83	81	79	78	76	74	72	68	59	48	92
2	6/6	50 cal Blank	60	T1023	8	72	63	63	70	69	73	75	76	76	80	83	86	103	107	90	85	86	93	86	87	84	81	79	83	82	78	76	73	69	66	64	62	58	55	108
2	6/6	50 cal Blank	15	T1029	3	75	77	77	76	79	80	79	83	79	86	93	103	108	94	89	84	94	92	88	93	100	96	93	94	92	91	92	89	90	87	86	82	76	67	111
2	6/6	50 cal Blank	15	T1029	8	77	78	69	78	80	79	82	85	83	88	95	105	109	96	91	88	95	93	90	95	102	97	95	97	93	92	94	92	92	90	88	85	78	70	112
2	6/6	50 cal Blank	30	T1030	3	67	69	66	75	77	81	81	83	86	90	96	102	100	91	89	88	87	82	83	89	97	96	92	94	91	90	90	86	86	82	80	75	68	61	107
2	6/6	50 cal Blank	30	T1030	7	71	71	70	77	79	82	79	82	86	90	96	102	100	91	89	89	88	83	84	89	99	96	93	97	93	91	91	88	87	83	81	77	70	63	108
2	6/6	50 cal Blank	15	T1032	3	62	70	64	71	73	75	74	77	79	81	83	84	87	84	88	90	91	89	90	88	91	92	94	92	94	94	96	96	95	96	96	95	90	79	106
2	6/6	50 cal Blank	15	T1032	8	73	75	65	73	74	76	77	79	80	83	85	86	90	87	90	92	93	91	92	90	94	94	96	96	96	96	96	97	96	98	99	98	92	81	108
2	6/6	50 cal Blank	30	T1033	3	55		51	57	55	60	62	66	70	73	77	79	77	76	81	83	80	85	84	85	84	86	88	87	88	89	88	88	87	88	86	85	78	56	99
2	6/6	50 cal Blank	30	T1033	7	49		55	56	55	61	62	66	70	74	78	80	78	77	83	84	79	86	84	85	85	87	89	89	89	90	89	89	88	89	88	86	79	59	100
2	6/6	50 cal Blank	60	T1034	3	45		40	0	38	46	48	54	60	62	66	68	67	66	66	71	64	65	69	72	73	75	78	77	75	74	73	72	71	71	69	65	55	28	85
2	6/6	50 cal Blank	60	T1034	7	44		48	45	33	48	49	56	61	63	68	69	69	68	68	72	67	67	72	74	76	78	79	79	77	76	76	75	74	73	71	67	58	32	88
2	6/6	50 cal Blank	60	T1035	3	62	61	58	67	66	72	73	76	80	82	87	92	93	83	77	77	72	71	70	75	85	81	79	79	75	74	74	69	69	65	61	55	47	44	97
2	6/6	50 cal Blank	60	T1035	7	61	66	60	63	69	72	74	78	81	83	89	94	95	85	79	79	73	72	74	78	88	85	81	80	78	76	77	72	71	68	64	58	51	48	99
6	6/9	50 cal Blank	90	T1618	2			64	63	67	70	75	77	81	84	87	91	97	101	92	81	71	65	75	91	79	80	78	79	78	66	65	62	60	65	63	53	43	37	104
6	6/9	50 cal Blank	60	T1620	3		67	62	72	68	74	76	79	83	86	90	93	94	95	88	83	75	74	81	98	85	81	81	81	83	76	73	74	73	75	71	61	53	39	102

	6/9	50 cal Blank	60	T1620	6	64	58	65	72	64	74	75	78	82	86	89	92	93	94	87	83	74	73	80	97	84	79	79	80	81	75	73	71	71	73	69	58	51	39	102
6	6/9	50 cal Blank	90	T1621	3	58		64	67		63	64	61	67	67	64	70	68	65	68	65	64	70	72	75	77	77	81	79	77	76	74	74	74	71	68	62	52	34	88
6	6/9	50 cal Blank	60	T1623	3	55		58			49	59	52	64	67	69	71	63	64	66	69	71	73	76	80	81	83	85	87	84	82	81	82	80	77	75	73	67	44	94
6	6/9	50 cal Blank	60	T1623	6	60		59			63	60	49	68	67	68	71	65	64	68	69	70	73	75	79	80	82	83	84	83	83	80	80	78	76	75	72	62	37	92
6	6/9	50 cal Blank	120	T1624	3	55		63	60		60	52		63	64	65	65	63	61	62	60	58	66	69	70	72	75	75	75	74	72	69	68	66	63	59	52	40	31	83
6	6/9	50 cal Blank	120	T1624	7			63	59	57	58	56		63	65	63	66	64	59	61	60	58	66	68	69	71	74	74	74	72	71	69	67	65	63	58	50	41		82
6	6/9	50 cal Blank	120	T1626	3	55		63	66	68	69	72	75	77	81	84	86	91	96	87	76	68	61	70	86	75	73	74	75	75	63	66	61	56	60	58	45	38		99
6	6/9	50 cal Blank	60	T1630	3	55		57	63		62	63	62	67	67	71	73	71	69	71	65	64	70	73	76	79	80	80	80	81	78	77	75	73	71	69	65	55		89
6	6/9	50 cal Blank	60	T1630	7			61	60		63		52	66	69	71	74	72	71	73	66	65	71	74	77	79	80	82	82	83	81	79	77	75	74	71	67	57	39	91
6	6/9	50 cal Blank	90	T1632	3	62		59	57		62	60		66	65	61	68	66	63	64	60	62	66	70	72	74	76	76	76	75	74	72	69	67	64	60	52	44		85
6	6/9	50 cal Blank	90	T1632	6	58		61	61		65	64	0	65	65	61	68	64	62	63	61	60	67	68	71	73	73	74	74	75	74	71	68	66	64	61	54	45		84
6	6/9	50 cal Blank	60	T1633	3	70		68	71	69	74	77	78	80	84	90	100	107	89	84	76	81	82	81	86	87	82	75	77	74	74	73	69	66	68	62	64	52	34	108
6	6/9	50 cal Blank	60	T1633	7	66	63	63	74	71	77	78	79	82	86	91	102	108	91	86	79	82	82	81	88	88	83	76	77	76	74	71	68	65	65	60	62	52	34	109
6	6/9	50 cal Blank	90	T1635	2			62	64	69	70	71	74	76	79	83	95	102	90	81	76	70	63	72	81	80	75	66	71	71	69	66	62	56	55	51	48	42		103
6	6/9	50 cal Blank	90	T1635	6	58		63	63	68	68	72	74	77	79	82	94	101	89	82	77	69	64	71	78	79	74	64	69	70	68	64	61	53	53	48	41	41		102
6	6/9	50 cal Blank	120	T1637	3			65	65	63	69	70	72	74	77	81	91	98	87	78	70	62	61	70	77	77	73	63	68	67	68	62	60	52	52	45	34	34		100
6	6/9	50 cal Blank	120	T1639	3	57		58			60	54		59	61	62	64	61	61	59	57	52	63	66	68	70	71	72	71	70	69	66	64	62	59	53		36		80
10	5/2	50 cal Blank	45	T1131	2	48	46	51	53	67	69	72	75	77	79	80	79	80	80	79	77	69	66	68	70	69	72	74	73	70	71	68	68	64	64	60	56	50	42	89
10	5/2	50 cal Blank	45	T1132	1	43	56	60	63	67	69	71	74	77	79	79	79	80	81	79	77	69	67	69	70	69	75	77	74	73	71	69	68	66	63	61	57	51	43	89
10	5/2	50 cal Blank	45	T1132	4	49	56	60	63	67	70	72	75	77	79	80	80	81	81	80	78	70	67	70	72	71	74	76	74	73	70	70	67	66	64	61	58	48	39	90
10	5/2	50 cal Blank	45	T1133	1		56	60	63	66	69	71	74	77	79	80	79	80	81	80	77	69	66	67	70	69	71	71	73	69	69	67	65	64	62	58	55	46	32	89
10	5/2	50 cal Blank	45	T1133	5	52	57	60	64	66	68	71	74	77	79	80	80	81	81	80	78	69	67	67	70	70	71	71	73	70	68	66	66	64	62	58	54	45	31	89
10	5/2	50 cal Blank	45	T1134	3	55	55	64	64	71	72	75	78	81	82	83	83	83	83	82	80	72	67	69	72	72	73	76	77	75	72	71	69	69	65	62	58	49	42	92
10	5/2	50 cal Blank	45	T1135	3	57	60	61	64	67	69	72	75	77	79	80	80	80	80	80	77	70	67	68	70	69	70	72	71	71	69	66	66	63	61	58	53	44	30	89
10	5/2	50 cal Blank	45	T1136	2		48	51	51	67	70	73	76	78	80	81	81	81	82	82	80	72	69	68	69	69	69	70	72	68	69	68	65	63	61	58	54	48	33	91
10	5/2	50 cal Blank	45	T1136	18	46	59	63	67	68	71	73	76	79	81	81	82	82	82	83	80	74	73	71	73	71	72	71	71	70	69	69	66	65	63	60	56	48	38	91
10	5/2	50 cal Blank	45	T1137	11	49	53	67	66	72	73	75	78	81	82	84	84	84	85	86	83	75	71	73	76	74	78	78	78	77	74	72	71	70	66	64	61	57	49	94
10	5/2	50 cal Blank	45	T1137	25	55	54	67	66	72	74	76	78	81	83	84	85	85	86	86	84	76	73	74	75	74	75	77	78	76	75	71	70	70	66	64	60	55	47	94
10	5/5	50 cal Blank	45	T874	2	45	54	61	63	65	67	70	72	75	77	79	81	80	77	76	75	71	62	65	67	68	68	68	68	67	69	67	65	64	62	61	56	48	27	88
10	5/5	50 cal Blank	45	T875	3	45	57	61	69	70	72	75	78	80	82	84	86	85	82	82	80	75	67	70	70	71	72	72	73	72	73	73	71	69	67	65	61	52	34	93
10	5/5	50 cal Blank	45	T875	6	53	59	66	69	68	74	77	78	81	83	86	88	87	85	83	81	75	68	71	73	74	74	74	74	74	74	74	73	71	70	69	67	63	53	52	95

10	5/5	50 cal Blank	45	T875	9	51	57	68	69	72	76	78	81	83	85	87	89	89	86	84	83	77	70	73	74	75	75	75	76	75	76	75	73	72	70	68	64	55	36	96
10	5/9	50 cal Blank	30	T1182	4	60		62	49		58	60	63	67	68	72	77	78	78	80	83	78	70	74	77	79	80	83	86	84	84	81	78	79	75	73	70	61	35	94
10	5/9	50 cal Blank	30	T1182	7			57	58	49	63	60	59	66	69	73	77	78	78	80	84	79	71	75	77	79	81	85	87	85	86	83	80	79	79	76	73	64	42	95
10	5/9	50 cal Blank	30	T1182	10	55		55	53		57	59	62	67	70	73	78	79	79	81	84	79	71	76	78	79	81	84	86	84	83	84	81	79	76	74	71	62	41	94
12	6/9	50 cal Blank	30	T1643	3	72	61	71	76	74	77	78	78	85	85	95	108	101	91	87	86	92	87	94	94	90	85	83	83	81	74	72	70	67	64	62	57	49	40	110
12	6/9	50 cal Blank	30	T1643	7	61		65	75	74	74	75	75	82	83	92	106	99	88	84	84	90	84	91	92	88	82	81	80	79	73	71	68	63	61	60	56	49		107
12	6/9	50 cal Blank	30	T1645	3	69		69	69		70	68	61	71	70	73	76	77	77	77	78	73	75	79	79	82	85	86	88	86	85	85	82	80	79	77	74	65	46	95
12	6/9	50 cal Blank	30	T1645	7			68	68		71	70		71	68	71	74	75	74	75	76	71	72	77	77	80	82	83	86	84	83	83	80	78	76	76	73	64	45	93
12	6/9	50 cal Blank	90	T1646	2						58	61		63	59	60	64	63	60	60	57	53	64	67	71	72	74	73	73	73	72	71	68	67	65	61	47	41		83
12	6/9	50 cal Blank	90	T1646	6	65		64	66		64	56		63	61	59	65	60	56	60	59	46	64	68	70	72	73	74	73	72	71	69	68	65	63	60	45	41		82
12	6/9	50 cal Blank	60	T1648	3	62		67	52		64	55	55	65	67	70	72	73	72	70	65	64	71	73	75	76	78	80	80	79	78	76	75	73	71	69	65	55		89
12	6/9	50 cal Blank	60	T1648	7	60		55	55		60	56		64	66	67	70	71	71	70	65	62	70	72	74	75	77	78	77	77	76	75	73	71	70	67	63	53		87
12	6/9	50 cal Blank	90	T1649	3	66		64	67	66	70	73	74	78	81	88	96	89	83	75	71	73	77	85	89	85	77	74	76	76	67	68	62	57	57	59	44	43	34	99
12	6/9	50 cal Blank	90	T1649	6	61		65	67	67	70	74	75	77	80	87	95	88	82	75	70	72	75	83	88	84	77	74	75	76	66	66	62	59	56	59	47	34		98
12	6/9	50 cal Blank	60	T1651	3			69	72	70	75	78	78	81	86	94	106	99	90	85	79	88	87	87	92	91	83	79	81	79	74	74	68	65	63	65	55	46	34	107
12	6/9	50 cal Blank	60	T1651	7	64	52	63	71	69	73	75	76	79	86	93	103	98	89	83	77	86	86	87	92	91	82	78	80	79	74	75	69	65	61	62	55	44	34	106
23	5/16	50 cal Blank	60	T881	3	60	56	66	72	73	74	78	81	83	86	88	88	87	80	72	72	72	71	75	78	79	79	80	78	77	78	75	75	74	71	68	65	58	50	95
23	5/16	50 cal Blank	60	T881	5	52	54	63	71	73	74	78	81	84	86	88	88	88	81	72	73	73	71	75	78	79	79	79	77	76	77	75	74	73	71	67	63	56	46	96
23	5/16	50 cal Blank	60	T881	7	49	57	64	69	68	73	76	79	82	84	86	86	85	79	70	71	71	69	73	75	75	75	77	75	75	76	74	72	72	70	67	63	56	48	94
23	6/2	50 cal Blank	90	T1130	3	56	53	58	69	67	73	75	78	79	81	82	80	77	79	77	68	66	67	67	69	69	71	72	71	70	70	69	67	65	62	57	52	41	24	90
23	6/2	50 cal Blank	90	T1130	7	56	54	61	68	68	72	75	78	79	81	82	80	77	79	77	69	65	67	68	68	69	70	72	71	71	70	68	67	64	62	57	51	40	24	90
23	6/2	50 cal Blank	90	T1130	11	57	52	59	68	67	72	76	78	81	81	82	80	78	80	78	70	67	67	68	69	69	71	72	71	71	70	69	67	65	62	58	52	41	27	90
23	6/6	50 cal Blank	60	T587	15	58	57	58	70	68	74	75	78	81	83	84	85	82	77	77	74	73	70	73	70	72	73	73	76	73	73	72	71	70	68	65	61	51	33	92
32	5/9	50 cal Blank	45	T1106	3			56			61	59	51	63	64	66	69	70	69	67	65	67	70	76	77	78	81	80	83	83	81	81	80	78	73	72	69	60	37	91
32	5/9	50 cal Blank	45	T1106	6			61	53		62	60	56	63	67	69	71	72	71	69	67	69	71	77	78	79	81	82	85	85	82	81	82	79	75	73	70	61	38	93
32	5/9	50 cal Blank	45	T1106	9			64			59	59	59	65	67	70	72	74	73	71	68	70	72	78	80	82	84	85	87	85	83	81	83	81	77	76	72	64	42	94
32	6/22	50 cal Blank	30	T1756	2		68	69	69	70	74	77	77	79	82	87	97	110	94	87	83	85	93	80	84	84	89	84	82	82	78	76	73	69	68	66	61	58		111
32	6/22	50 cal Blank	30	T1756	6	69		73	77	77	76	80	81	81	85	90	100	113	96	89	86	89	96	83	86	87	92	87	85	84	82	79	75	72	71	69	65	61		114
32	6/22	50 cal Blank	30	T1758	2			72	71	75	78	81	84	86	89	90	90	87	85	86	83	81	79	81	82	80	84	85	84	85	84	86	83	83	82	80	78	70	48	99

32	6/22	50 cal Blank	30	T1758	6	67		72	77	80	80	85	88	88	92	93	93	91	88	89	85	82	82	83	84	83	85	86	87	87	87	88	85	84	84	82	80	73	50	102
32	6/22	50 cal Blank	60	T1759	3	63		68	69	72	73	78	80	83	85	86	85	84	79	81	78	73	75	77	78	79	80	80	80	78	78	77	74	75	74	71	67	57	37	94
32	6/22	50 cal Blank	60	T1759	8			55	58	#	64	55	63	68	71	79	79	76	72	74	71	63	62	65	65	67	72	71	69	68	68	63	64	63	63	61	57	48		85
32	6/22	50 cal Blank	60	T1759	9		58	67	71	74	75	80	82	85	87	89	88	86	82	83	80	74	76	78	79	80	82	82	82	80	79	76	75	74	73	70	66	57		96
32	6/22	50 cal Blank	60	T1760	3	63	60	69	74	75	74	76	78	80	82	86	97	110	96	88	83	82	87	76	80	82	89	81	79	78	71	70	67	62	65	63	57	50	35	110
32	6/22	50 cal Blank	60	T1760	9	66	62	68	75	77	76	78	78	81	84	89	99	112	98	90	85	83	88	78	81	84	91	84	83	80	73	72	68	64	66	65	61	56	38	112
36	5/10	50 cal Blank	75	T788	3	52	54	62	65	66	71	74	76	78	81	83	82	80	76	71	69	65	69	72	73	74	74	74	75	76	74	71	71	68	67	64	60	49	31	90
36 .	5/10	50 cal Blank	75	T788	7	49	56	64	65	68	72	74	77	79	81	83	82	80	76	71	69	67	69	73	74	74	75	75	74	76	75	71	71	68	66	63	59	48	32	91
36	5/10	50 cal Blank	75	T788	10	45	57	65	64	68	72	75	78	79	81	84	83	81	77	73	70	67	69	74	75	76	76	75	77	79	76	72	71	69	68	66	62	51	34	91
36	6/12	50 cal Blank	75	T1927	3	62			70	68	74	76	77	81	82	83	82	82	75	74	71	70	72	73	72	73	74	75	75	75	74	72	71	68	66	63	55	49		91
36	6/12	50 cal Blank	75	T1929	3	64		64	70	65	73	75	77	81	85	88	96	95	85	90	84	77	74	70	66	67	76	77	87	80	75	79	72	70	68	62	56	47	35	100
36	6/12	50 cal Blank	90	T1931	2	57			65	64	70	72	75	77	80	85	91	88	82	86	79	71	69	65	62	63	75	75	81	74	70	70	68	65	62	55	48	40		95
36	6/12	50 cal Blank	90	T1931	6	60		62	69	68	73	73	75	78	82	86	93	90	84	88	81	73	70	67	63	65	76	75	82	75	72	74	68	68	64	57	51	42		97
36	6/12	50 cal Blank	90	T1932	2	54		57	68	66	70	72	75	77	78	80	80	77	72	68	66	64	67	70	70	71	72	72	73	75	75	71	70	68	66	64	58	53	44	88
36	6/12	50 cal Blank	90	T1932	6	63		64	68	68	72	74	76	79	80	82	81	79	74	71	68	66	69	71	72	73	74	74	75	76	77	75	73	72	70	65	60	56	48	90
36	6/12	50 cal Blank	90	T1935	2			63	66	67	73	74	75	78	79	80	79	78	76	75	69	63	67	69	70	70	70	71	71	71	69	68	67	65	63	58	42	41		88
36	6/12	50 cal Blank	90	T1935	6	65		62	70	64	74	74	76	78	80	81	80	79	77	76	71	64	68	71	70	70	71	71	72	71	70	68	68	65	64	60	44	41		89
36	6/12	50 cal Blank	90	T1937	2			61	70	66	71	73	75	77	78	81	84	88	86	83	77	72	68	67	67	67	75	78	75	66	61	61	65	65	60	54	47	42		93
36	6/12	50 cal Blank	90	T1937	6	59		67	70	68	72	73	75	77	79	82	85	89	86	83	79	72	68	69	67	68	75	79	75	66	61	62	65	64	60	53	43	43		94
36	6/12	50 cal Blank	75	T1940	3	70		66	74	69	74	76	76	79	81	83	85	93	89	86	81	74	71	70	70	70	78	85	82	71	68	68	71	71	66	62	59	52	43	97
36	6/12	50 cal Blank	75	T1940	7			69	70	69	75	76	76	77	81	83	86	94	90	85	80	75	72	72	72	71	80	86	83	72	71	69	73	74	68	65	62	52	52	97
36	6/12	50 cal Blank	75	T1942	3	66		70	73	67	74	75	77	78	82	83	81	83	79	80	75	68	70	72	74	73	73	74	73	73	71	71	70	66	65	60		45	0	91
36	6/12	50 cal Blank	75	T1942	7		60	70	73	72	75	77	78	79	81	83	81	84	79	80	76	70	72	73	75	74	74	75	74	74	72	71	69	67	65	60		49	0	92
36	6/12	50 cal Blank	30	T1944	3	74		80	74	66	79	83	83	86	88	90	91	91	90	92	88	82	82	79	81	81	81	82	81	82	82	81	81	78	77	74	71	68	62	100
36	6/12	50 cal Blank	30	T1944	6			69	78		82	83	85	88	89	91	93	93	92	93	89	84	84	81	82	82	83	83	84	84	83	82	82	81	80	77	73	70	66	102
36	6/12	50 cal Blank	30	T1946	3	77		74	82		77	80	78	82	86	87	93	102	98	96	90	88	85	84	79	80	86	89	86	80	76	78	74	73	69	71	69	67	63	105
36	6/12	50 cal Blank	30	T1946	7	74		76		68	80	80	79	84	87	90	94	102	99	98	92	88	86	85	81	84	89	92	86	80	82	79	78	77	74	75	72	71	65	106
42	4/25	50 cal Blank	90	T563	4	52	50	60	60	67	69	70	72	74	75	73	78	76	76	77	67	69	73	75	74	74	75	73	71	73	73	68	67	64	60	56	49	39	34	87
42	4/25	50 cal Blank	90	T563	8	51	51	59	63	67	69	72	74	75	76	75	79	77	77	78	69	69	75	76	76	75	75	75	72	74	74	70	68	66	62	57	50	40	32	89
42	5/1	50 cal Blank	120	T1079	2	49	42	56	63	67	66	72	75	76	77	77	75	74	75	70	64	63	66	68	73	71	71	72	72	70	68	67	65	60	55	48	41	31	24	86
42	5/1	50 cal Blank	120	T1079	7	48	45	61	62	68	68	71	73	75	76	76	74	73	73	68	64	65	64	68	71	71	71	71	71	69	67	66	64	59	54	47	39	30	23	85

42	5/1	50 cal Blank	120	T1079	12	47	48	61	59	68	69	71	74	76	77	77	75	73	75	70	63	64	64	68	71	71	70	72	71	70	67	66	64	59	53	47	40	31	21	86
42	5/31	50 cal Blank	90	T1406	3	44	40	39	39		46	47	50	54	58	63	65	64	66	66	66	67	73	76	78	77	79	79	78	76	75	76	74	70	69	64	59	47	28	88
42	5/31	50 cal Blank	90	T1406	7			45	39	43	43	49	50	55	60	64	66	65	66	67	68	68	74	77	78	78	80	80	80	77	75	76	75	70	69	64	59	46	29	89
42	5/31	50 cal Blank	120	T1408	3	40		40			46	46	52	56	60	63	63	62	63	64	62	64	70	73	76	75	78	77	76	75	73	73	71	67	65	60	55	44	25	86
42	5/31	50 cal Blank	120	T1408	7	41		43	44		44	47	53	57	61	64	65	64	65	65	65	65	72	75	78	77	78	78	77	75	74	74	73	69	66	62	56	46	28	87
42	5/31	50 cal Blank	90	T1409	3	70	66	63	63	65	67	69	70	73	75	79	85	98	99	83	77	78	83	85	93	79	76	73	68	74	71	68	68	61	56	55	49	46	44	102
42	5/31	50 cal Blank	90	T1409	6	67	57	59	61	61	69	71	73	74	77	80	87	99	101	85	78	79	82	86	94	80	77	75	69	74	72	69	68	62	57	55	51	49	47	104
42	5/31	50 cal Blank	120	T1411	3	67	65	63	67	65	70	72	73	75	77	81	85	101	102	82	78	79	89	82	87	78	74	71	67	69	67	64	62	57	53	51	49	48	46	105
42	5/31	50 cal Blank	120	T1411	7	71	63	58	64	63	67	68	72	74	76	80	85	102	102	82	78	80	90	83	88	80	77	75	69	71	69	66	64	58	55	53	51	49	48	106
42	5/31	50 cal Blank	90	T1414	3	58	53	62	70	73	79	75	75	79	82	84	87	86	83	78	72	66	69	65	64	68	71	69	69	70	67	65	64	61	58	51	44	36	30	93
42	5/31	50 cal Blank	90	T1414	7	56	51	58	70	72	78	76	75	80	83	85	87	87	85	81	74	69	72	69	66	70	73	69	70	72	69	67	65	63	59	53	46	39	36	94
42	5/31	50 cal Blank	120	T1416	3	57	55	61	67	71	73	72	71	74	76	79	80	80	75	70	63	53	50	52	56	65	67	65	67	68	65	62	60	57	54	46	38	29	21	87
42	5/31	50 cal Blank	120	T1416	7	59	54	62	68	71	76	73	72	76	77	79	81	80	77	71	65	56	51	52	57	66	70	67	68	69	66	62	61	58	55	47	39	31	21	88
42	5/31	50 cal Blank	90	T1417	3	33		39	36	38	40	51	55	60	65	68	70	70	72	73	70	67	68	70	70	72	75	76	76	75	73	73	71	69	66	63	59	50	27	85
42	5/31	50 cal Blank	90	T1417	7	33		42	35		44	51	55	61	66	69	71	71	73	74	70	68	70	70	71	74	75	76	76	74	73	73	71	69	67	64	60	50	28	86
42	5/31	50 cal Blank	120	T1419	3	47	38	41	36		43	46	50	54	58	61	63	63	62	61	57	57	59	65	67	69	71	73	72	70	68	69	67	64	60	56	50	39	24	80
42	5/31	50 cal Blank	120	T1419	7	33		41	42		43	46	50	56	60	62	63	63	63	62	59	60	62	65	67	70	73	75	74	71	69	69	68	65	61	57	51	40	26	82
47	5/10	50 cal Blank	30	T1048	2	52	42	62	52	52	60	61	64	68	72	74	77	79	82	84	85	81	76	80	82	85	87	88	87	85	86	84	83	83	82	80	77	68	49	97
47	5/10	50 cal Blank	30	T1048	7			52	51	57	60	64	65	70	74	76	79	81	84	85	87	82	77	81	84	85	89	88	87	87	87	86	86	86	85	83	79	71	51	98
47	6/5	50 cal Blank	15	T1276	3	70	71	66	73	71	78	81	83	83	84	86	92	111	103	92	87	87	96	89	91	87	88	88	84	80	81	82	78	76	73	73	72	64	53	112
47	6/5	50 cal Blank	15	T1276	7	77	72	69	75	74	79	84	85	85	85	87	94	114	107	94	91	90	99	92	93	90	91	90	87	84	83	82	79	78	76	75	73	66	59	115
47	6/5	50 cal Blank	30	T1277	4	73	77	70	73	76	79	78	83	85	86	88	96	114	104	93	89	88	101	87	93	85	88	85	82	79	77	77	73	71	69	68	65	56	47	115
47	6/5	50 cal Blank	30	T1277	7	71	75	69	69	75	77	77	82	84	85	89	97	114	104	93	90	88	100	87	93	85	87	84	81	79	77	76	73	70	68	68	65	56	46	115
47	6/5	50 cal Blank	45	T1278	4	73	73	70	75	72	76	77	77	81	82	86	93	112	104	93	88	86	95	86	87	83	87	86	81	76	78	78	72	69	67	65	60	52	43	113
47	6/5	50 cal Blank	45	T1278	7	68	70	69	71	75	76	77	77	82	81	87	95	112	104	94	89	86	94	87	87	83	88	87	80	77	79	78	72	70	68	66	61	52	43	113
47	6/5	50 cal Blank	15	T1279	3	66	64	62	64	63	68	69	70	72	76	80	83	86	87	87	81	79	84	88	88	89	90	90	91	92	90	91	92	91	91	91	91	84	73	103
47	6/5	50 cal Blank	15	T1279	7	62	58	61	68	65	73	74	75	77	81	84	87	90	91	91	85	85	88	92	91	92	93	94	94	95	94	94	93	93	94	94	93	86	74	106
47	6/5	50 cal Blank	30	T1280	4	58	56	54	51	59	63	62	67	70	74	78	82	85	84	82	75	73	74	79	84	84	86	88	90	89	87	87	85	85	84	82	81	73	59	98
47	6/5	50 cal Blank	30	T1280	7			54	49	56	60	61	65	69	74	77	83	85	83	82	76	73	76	79	84	84	85	87	89	89	88	85	85	84	83	82	80	72	56	98

47	6/5	50 cal Blank	45	T1281	4	57		48	43		53	57	58	63	67	72	75	78	77	74	69	70	75	76	79	81	82	83	83	83	84	82	81	79	78	76	74	66	54	93
47	6/5	50 cal Blank	45	T1281	7			53	52		53	53	58	63	67	72	76	78	78	74	70	70	76	77	80	82	81	83	86	83	84	83	82	80	78	76	74	66	51	94
47	6/5	50 cal Blank	15	T1288	3	80	74	72	76	76	78	77	79	80	86	86	91	95	112	111	96	90	90	101	93	93	91	91	88	86	84	80	77	73	71	68	64	59	52	115
47	6/5	50 cal Blank	15	T1288	6	78	75	75	78	77	74	78	79	80	86	87	92	96	112	111	96	92	91	101	93	94	91	91	88	85	83	80	76	72	69	67	64	58	50	115
47	6/5	50 cal Blank	30	T1289	2	77	73	71	77	72	71	77	78	80	82	83	88	93	109	111	97	89	88	100	91	92	90	89	86	83	79	76	75	72	67	63	61	56	50	114
47	6/5	50 cal Blank	30	T1289	6	78	71	67	75	71	69	77	78	79	81	83	88	93	110	112	97	90	89	101	92	93	92	91	87	84	80	76	74	71	68	63	61	56	49	115
47	6/5	50 cal Blank	45	T1290	3	74	73	70	78	74	77	75	76	79	81	84	88	93	108	110	97	92	90	96	92	89	88	86	82	78	75	71	69	66	63	59	56	51	45	113
47	6/5	50 cal Blank	45	T1290	6	71	70	67	75	75	75	76	76	77	82	83	87	92	109	110	97	91	89	96	91	88	89	85	81	78	74	70	70	68	63	59	56	52	46	113
47	6/5	50 cal Blank	15	T1291	2	63	68	63	70	63	72	73	76	77	81	83	86	88	87	87	90	88	83	85	88	90	91	92	93	92	94	95	93	92	92	91	89	84	72	104
47	6/5	50 cal Blank	15	T1291	6	70	65	59	69	67	72	73	76	78	81	84	86	88	87	87	90	88	83	84	88	90	92	94	94	94	95	94	93	94	93	93	92	85	73	105
47	6/5	50 cal Blank	30	T1292	2	62	60	56	62	58	65	67	70	72	76	79	81	82	81	81	83	84	79	81	83	87	87	89	91	91	92	90	87	87	87	86	84	77	61	100
47	6/5	50 cal Blank	30	T1292	6	64	53	53	60	61	65	68	69	73	76	80	82	83	83	82	85	85	81	82	82	87	87	88	91	91	92	92	87	87	87	86	83	76	62	100
47	6/5	50 cal Blank	45	T1293	3	58	54	58	52	48	58	59	62	66	70	74	78	78	77	77	81	81	78	79	82	83	83	85	84	86	87	85	81	82	81	81	78	70	56	96
47	6/5	50 cal Blank	45	T1293	6	49		52	41		44	58	59	63	68	73	77	78	78	77	81	81	78	79	82	83	83	83	83	84	84	83	79	79	79	79	75	68	51	94
47	6/5	50 cal Blank	45	T1278	4	73	73	70	75	72	76	77	77	81	82	86	93	112	104	93	88	86	95	86	87	83	87	86	81	76	78	78	72	69	67	65	60	52	43	113
47	6/5	50 cal Blank	45	T1278	7	68	70	67	70	74	74	73	75	79	79	84	91	109	101	90	86	83	90	83	83	79	84	83	76	74	75	74	68	66	64	63	58	48	39	110
47	6/5	50 cal Blank	15	T1279	3	66	64	62	64	63	68	69	70	72	76	80	83	86	87	87	81	79	84	88	88	89	90	90	91	92	90	91	92	91	91	91	91	84	73	103
48	4/27	50 cal Blank	30	T1172	4	65	59	68	78	76	80	82	85	87	90	89	94	92	90	88	90	86	79	81	81	82	84	83	83	82	82	80	79	78	75	72	68	59	44	101
48	4/27	50 cal Blank	30	T1172	9	57	61	72	74	79	79	82	85	87	90	91	94	92	89	88	90	86	79	81	80	83	85	85	84	82	82	81	79	77	75	73	69	60	43	101
48	4/27	50 cal Blank	30	T1172	14	53	60	64	68	70	72	74	76	79	81	82	85	84	81	80	82	79	71	73	73	75	80	76	75	74	76	71	71	69	67	64	61	51	34	93
48	4/27	50 cal Blank	30	T1172	24	60	60	65	76	75	79	82	85	87	90	90	93	91	88	88	89	85	78	80	80	82	85	84	84	82	83	81	79	78	75	72	68	59	40	100
48	5/4	50 cal Blank	60	T1007	4	65	59	67	75	77	78	82	85	88	91	92	94	92	86	83	81	78	78	78	77	78	80	79	79	78	77	76	75	73	71	68	64	54	39	100
48	5/4	50 cal Blank	60	T1007	6	46	51	64	70	74	74	79	83	85	89	90	92	90	84	81	80	76	76	76	75	75	77	77	76	76	75	74	72	71	69	65	61	51	36	98
51	6/21	50 cal Blank	30	T1739	3	71		66	73	74	80	81	83	86	88	90	91	90	85	78	81	82	84	82	85	84	85	88	87	85	83	82	79	78	79	78	77	69	43	99
51	6/21	50 cal Blank	30	T1739	6			70	78	75	81	83	83	86	88	91	92	91	85	78	82	81	83	81	84	84	86	87	86	84	83	81	79	78	78	77	75	66		100
51	6/21	50 cal Blank	30	T1741	2			65	76	74	77	79	81	84	85	89	93	107	105	91	88	87	92	86	90	81	82	78	79	77	73	71	70	70	66	60	55	46		110
51	6/21	50 cal Blank	30	T1741	6	64	63	71	80	74	75	77	80	84	85	89	92	108	105	92	87	87	94	86	90	82	83	80	81	77	73	73	71	72	67	61	56	52	40	110
51	6/21	50 cal Blank	60	T1743	3			63	70	69	75	76	77	80	84	87	90	104	100	86	80	76	78	81	86	68	76	70	75	71	68	67	68	71	66	57	49	45		106
51	6/21	50 cal Blank	60	T1743	7			64	69	72	74	76	79	83	85	88	92	105	101	87	82	78	80	82	88	69	79	72	77	73	70	69	70	72	68	59	50	44		107
51	6/21	50 cal Blank	60	T1744	3			66	70	68	75	77	78	80	84	85	85	81	74	68	71	73	76	77	77	76	80	79	82	77	76	75	74	74	73	71	67	56	34	93
51	6/21	50 cal Blank	60	T1744	7	58	58	62	69	74	76	77	80	84	85	86	87	83	76	69	73	75	77	79	79	78	82	80	83	79	78	77	75	74	74	73	70	63	34	95

51	6/21	50 cal Blank	30	T1747	3		65	77	75	75	75	73	75	80	78	84	92	110	99	89	85	83	96	86	88	89	90	84	79	80	79	75	73	71	70	68	64	55	43	110
51	6/21	50 cal Blank	30	T1747	6	74	72	74	79	75	80	77	80	83	82	88	96	112	102	94	89	86	98	89	90	92	94	87	82	84	82	78	76	75	74	71	67	58	43	113
51	6/21	50 cal Blank	30	T1749	3	74		66	71	72	76	78	79	81	84	88	90	93	94	92	88	82	78	80	81	81	81	82	84	84	82	82	80	78	77	76	73	65	40	100
51	6/21	50 cal Blank	30	T1749	6	61		71	76	76	79	81	82	83	86	90	93	95	96	94	91	84	80	82	83	82	83	84	85	85	83	83	82	80	79	77	74	66		103
51	6/21	50 cal Blank	60	T1751	2			61	71	69	74	76	78	80	81	84	86	86	85	82	75	71	74	77	77	78	79	80	80	81	81	78	76	77	77	75	72	63	34	95
51	6/21	50 cal Blank	60	T1751	6			65	70	70	74	74	78	80	81	84	86	86	85	81	74	71	74	76	76	77	79	79	79	80	79	78	74	73	72	70	67	59	34	94
51	6/21	50 cal Blank	60	T1751	10			68	69	68	72	75	77	79	80	82	85	85	84	80	74	69	73	76	76	78	78	77	78	79	79	77	74	73	71	70	67	58	37	93
51	6/21	50 cal Blank	60	T1752	2	65	53	61	71	70	74	77	79	80	82	87	94	105	98	86	79	77	80	81	77	92	90	79	77	77	74	73	71	70	67	64	61	52	35	107
51	6/21	50 cal Blank	60	T1752	6	61			71	71	74	76	78	79	81	86	93	106	98	85	79	77	82	81	77	91	89	79	77	76	74	73	71	70	67	63	60	53		107
51	6/21	50 cal Blank	60	T1752	10			61	71	71	73	75	77	79	80	84	92	105	96	85	78	77	80	80	76	90	88	78	76	75	73	72	70	67	65	62	59	51		106
57	5/31	50 cal Blank	60	T1384	3	68	65	64	69	67	74	73	77	80	83	85	86	93	93	81	74	68	67	73	80	70	68	64	70	73	66	65	67	63	55	55	45	38	34	97
57	5/31	50 cal Blank	60	T1384	5	62	63	63	68	63	71	74	76	78	82	83	85	92	93	81	74	69	67	73	80	70	68	64	71	74	65	64	68	63	56	56	50	42	38	97
57	5/31	50 cal Blank	75	T1385	3	67	64	64	69	67	74	73	77	80	83	84	85	93	92	80	74	67	66	73	80	69	67	64	69	73	65	64	67	63	55	55	45	38	34	97
57	5/31	50 cal Blank	75	T1385	5	63	64	63	68	63	71	74	76	78	82	82	84	92	92	80	73	68	66	72	79	69	67	64	71	73	64	63	66	62	55	56	49	40	36	96
57	5/31	50 cal Blank	60	T1387	3	40		42	44	41	49	52	56	61	64	69	72	75	77	76	74	72	73	74	73	74	76	76	78	76	75	75	75	73	72	69	66	57	45	88
57	5/31	50 cal Blank	60	T1394	3	71	65	66	66	65	71	68	72	76	81	88	107	99	87	83	81	92	79	83	78	79	80	84	84	79	77	77	76	74	71	66	65	61	58	108
57	5/31	50 cal Blank	60	T1394	6	63	53	53	58	65	66	69	71	75	81	87	107	98	87	84	82	93	79	84	78	78	76	79	80	75	73	75	76	71	65	63	60	56	54	108
57	5/31	50 cal Blank	75	T1395	4	67	65	64	63	65	67	71	73	75	80	86	106	99	86	83	81	92	78	82	76	77	78	82	83	78	74	77	75	72	68	65	63	60	56	107
57	5/31	50 cal Blank	75	T1395	7	58	52	51	56	62	65	70	73	74	81	87	107	99	87	83	82	92	78	83	79	78	79	83	83	79	76	78	77	73	70	66	64	60	58	108
57	5/31	50 cal Blank	90	T1396	3			41	37	37	40	46	50	53	58	62	64	67	68	68	66	63	64	66	67	70	72	73	72	72	71	70	68	66	63	60	55	44	25	82
57	5/31	50 cal Blank	90	T1396	8	36				38	42	48	52	56	61	65	67	70	71	71	68	65	66	68	71	72	74	74	75	75	73	72	70	68	66	63	57	47	28	84
57	5/31	50 cal Blank	90	T1397	3	61	61	60	59	62	65	67	68	70	77	79	80	91	93	79	75	74	75	74	78	68	67	64	66	68	64	62	64	60	56	54	48	44	43	96
57	5/31	50 cal Blank	90	T1397	7	56	54	55	58	62	65	68	70	72	79	81	82	93	96	81	77	77	79	79	80	71	71	67	69	71	66	63	64	61	55	54	47	43	41	98
57	5/31	50 cal Blank	60	T1399	3	42		40	44	45	49	51	55	60	63	69	72	75	75	77	78	76	73	74	74	73	75	77	76	76	76	74	74	72	71	69	67	57	32	88
57	5/31	50 cal Blank	60	T1399	7			47			49	51	55	60	63	69	71	75	74	76	78	77	74	74	73	71	73	75	76	76	77	74	73	72	71	69	66	57	33	88
57	5/31	50 cal Blank	60	T1400	4			40	40		40	51	52	58	62	67	70	73	73	75	75	74	70	70	71	71	73	74	74	74	74	72	71	70	68	65	62	53	31	85
57	5/31	50 cal Blank	60	T1400	8	37		49	46		44	49	54	59	64	68	70	74	73	74	75	74	71	71	71	71	73	75	75	75	74	73	72	70	68	66	63	54	31	86
57	5/31	50 cal Blank	90	T1402	3	45	42	45	44	39	46	49	53	57	62	67	70	72	72	72	73	71	71	72	73	73	74	74	74	73	73	71	71	69	67	64	61	52	39	85
57	5/31	50 cal Blank	90	T1402	6	44		30	44		44	50	54	58	62	68	70	73	72	72	73	72	71	73	74	73	73	74	75	74	73	71	71	70	67	65	61	52	40	85

57	5/31	50 cal Blank	90	T1403	3	67	64	65	65	66	67	68	69	72	75	83	102	95	83	78	77	90	75	82	75	76	74	77	77	73	68	71	71	66	63	60	57	54	51	104
57	5/31	50 cal Blank	90	T1403	6	66	67	68	64	63	64	67	67	70	74	84	104	95	83	79	78	91	76	83	77	78	75	78	78	74	71	71	70	67	64	62	59	55	53	105
57	6/14	50 cal Blank	45	T912	3	60	64	58	73	69	77	78	81	82	85	86	84	81	83	79	71	77	79	81	82	82	84	85	85	84	82	82	78	77	75	73	70	62	54	96
57	6/14	50 cal Blank	45	T912	6	56	57	59	72	73	78	79	83	85	87	89	86	83	84	81	72	77	80	82	83	82	84	86	86	86	83	82	80	78	77	75	73	65	54	98
57	6/14	50 cal Blank	45	T913	3	73	67	64	70	69	76	76	78	79	83	85	86	90	106	99	85	85	84	90	82	79	77	76	75	77	78	81	78	73	71	67	62	56	52	107
57	6/14	50 cal Blank	45	T913	6	66	65	58	70	70	76	76	79	82	84	87	88	93	107	101	87	87	86	92	84	80	78	76	77	78	80	82	79	73	72	67	62	58	54	109
60	5/17	50 cal Blank	30	T822	2	58	57	74	73	79	80	82	83	85	88	90	92	92	93	91	88	84	83	81	81	83	82	82	82	81	81	80	78	77	75	72	68	61	52	101
60	5/17	50 cal Blank	30	T822	6	71	68	77	80	82	83	85	88	89	92	95	97	97	98	96	92	90	88	84	86	88	86	85	86	85	84	83	82	80	78	75	72	64	58	106
60	5/22	50 cal Blank	60	T581	2	49	44	53	59	61	64	66	68	70	71	73	75	76	77	74	68	61	61	59	61	64	65	64	63	65	63	62	60	57	55	52	47	37	20	83
60	5/22	50 cal Blank	60	T582	3	61	56	66	71	75	74	78	80	82	83	86	88	89	89	85	81	71	70	71	70	72	73	73	73	74	75	71	69	67	65	61	57	47	38	96
60	5/22	50 cal Blank	60	T582	7	57	59	67	71	74	75	78	80	83	84	86	88	89	90	86	82	73	72	72	72	72	74	74	74	75	74	71	69	68	65	61	57	47	36	96
60	5/22	50 cal Blank	60	T582	9	46	53	60	68	69	74	76	77	79	81	82	85	86	86	82	78	69	68	68	68	69	71	69	70	72	71	69	67	64	62	58	54	44	30	93
61	5/23	50 cal Blanks	60	T543	4	59	56	59	69	68	74	75	78	79	82	84	85	83	75	69	68	66	68	73	75	76	78	80	80	78	74	72	70	69	67	64	60	51	38	92
61	5/23	50 cal Blanks	60	T543	8	60	51	60	71	69	75	77	79	82	85	86	87	84	76	70	71	70	71	75	77	78	81	82	81	79	76	74	72	70	68	65	61	52	40	94
61	5/23	50 cal Blanks	60	T543	12	60	57	60	72	70	76	78	81	83	86	88	88	86	77	71	72	70	72	76	79	80	82	83	82	80	77	75	73	71	69	66	62	53	43	95
62	6/8	50 cal Blank	90	T1584	2		53	70	70	73	73	74	75	79	80	85	88	98	112	93	81	81	84	87	91	83	83	78	86	81	78	77	75	68	64	61	58	50	40	112
62	6/8	50 cal Blank	90	T1584	6	64	65	71	65	72	74	76	77	81	82	87	90	99	112	94	83	80	83	85	93	85	83	77	89	83	78	78	76	69	66	63	60	52	38	112
62	6/8	50 cal Blank	60	T1586	4	66	56	69	73	69	71	72	76	80	82	83	87	97	112	93	83	87	90	97	92	87	88	82	83	79	77	75	73	69	64	61	60	52	38	113
62	6/8	50 cal Blank	60	T1586	10	74	64	70	71	71	73	73	77	82	84	85	88	99	113	93	85	89	91	97	95	88	90	85	87	82	80	79	78	73	69	68	67	58	41	114
62	6/8	50 cal Blank	90	T1587	3	64		56	61	0	65	58	0	67	61	65	68	66	61	66	65	60	68	71	73	74	76	77	76	76	75	73	71	70	67	63	54	41		85
62	6/8	50 cal Blank	90	T1587	6	65		66	60	0	65	61	0	65	65	69	70	66	59	66	65	62	68	72	73	74	76	78	78	77	76	75	73	71	69	65	56	44		87
62	6/8	50 cal Blank	60	T1589	4	60		63	0	0	62	62	58	63	65	68	70	68	67	69	70	67	71	74	75	77	78	79	78	78	77	75	74	72	71	68	64	53	37	88
62	6/8	50 cal Blank	60	T1589	10	62		60	64	0	64	63	0	65	66	68	70	70	69	71	71	69	72	73	75	76	79	79	78	78	78	77	75	74	72	69	66	56		88
62	6/8	50 cal Blank	120	T1590	3	54		48	53	0.	59	54	50	63	58	59	62	56	44	58	57	52	63	66	68	69	71	72	72	71	70	68	65	62	59	52	36	38		80
62	6/8	50 cal Blank	120	T1590	7	59		62	57	0	57	59	0	61	61	53	61	57	45	56	55	45	62	65	67	68	70	71	70	69	68	66	64	61	58	52	36	30		79
62	6/8	50 cal Blank	120	T1591	3			58	60	67	69	70	72	75	79	78	81	87	99	84	75	72	73	73	89	80	78	65	79	71	73	68	68	60	55	51	47	38	33	100
62	6/8	50 cal Blank	120	T1591	7	54		61	63	66	65	70	71	73	77	77	80	86	98	83	74	72	72	72	87	79	77	64	76	72	75	67	65	57	54	50	42	40	30	99
62	6/8	50 cal Blank	60	T1594	3			68	65	70	72	73	76	78	84	87	90	94	97	96	89	85	82	82	81	88	83	78	83	80	78	77	74	68	63	57	53	46	35	102
62	6/8	50 cal Blank	60	T1594	7	56		67	68	72	73	75	78	80	85	88	90	95	98	97	91	87	82	82	82	88	82	77	84	82	80	77	74	67	63	59	54	45	38	103
62	6/8	50 cal Blank	90	T1596	4	63		63	64	70	70	74	76	78	81	84	86	89	93	92	84	78	78	80	81	85	77	68	79	76	74	74	68	56	54	48	42	42	35	98
62	6/8	50 cal Blank	90	T1596	7	59		66	67	70	70	71	74	76	81	83	85	88	91	91	84	78	78	79	80	85	75	68	79	76	73	71	69	57	53	48	42	39		97

62	6/8	50 cal Blank	60	T1597	3	63		64	64	59	61	56	55	66	64	66	67	67	65	69	68	66	69	71	73	76	77	78	77	77	76	75	73	72	69	67	62	51		87
62	6/8	50 cal Blank	60	T1597	7	58		67	60		60	62	0	65	66	66	70	69	67	70	69	67	68	72	75	76	78	78	79	78	77	76	74	72	71	68	63	50		88
62	6/8	50 cal Blank	90	T1599	4	60		66	60		63	58	0	63	63	61	68	65	60	65	63	60	67	70	72	73	74	75	76	74	73	71	69	67	64	59	45	39		84
62	6/8	50 cal Blank	90	T1599	7	64		64	58		63	59	0	63	65	52	67	64	61	64	62	56	67	69	72	73	74	75	75	74	73	71	69	66	63	59	47	39		84
62	6/8	50 cal Blank	120	T1601	3	59		63	49		59	57	0	63	59	57	63	57	58	61	58	52	63	66	68	69	71	71	71	70	69	67	65	63	59	53	31	37		80
62	6/8	50 cal Blank	120	T1601	6	58		59	56		57	60	46	62	61	61	63	59	59	62	58	57	64	67	69	70	72	73	73	72	71	69	67	64	61	55	38	37		82
62	6/8	50 cal Blank	120	T1603	3	60	61	64	64	66	67	68	71	73	77	79	82	86	90	89	80	76	73	74	73	77	73	62	69	68	67	67	62	49	48	42	34	34		95
62.	6/8	50 cal Blank	120	T1603	6		52	55	63	67	68	71	71	73	78	81	83	87	91	90	81	77	75	74	74	77	72	64	70	70	71	69	62	51	49	40	34	42		95
71	6/12	50 cal Blank	15	T1948	3	80		77	84	81	84	85	87	88	88	92	91	90	92	92	96	88	86	84	84	87	88	86	86	86	87	85	85	83	81	81	79	70	47	103
71	6/12	50 cal Blank	15	T1948	6	79	68	75	85	80	86	85	86	88	88	92	91	90	92	92	96	88	87	84	85	87	89	86	86	87	86	86	85	85	83	82	80	74		103
71	6/12	50 cal Blank	15	T1951	3	79		71	77	79	81	83	82	89	96	103	100	90	89	90	90	82	85	80	78	77	79	81	76	77	78	73	73	72	66	66	67	47		106
71	6/12	50 cal Blank	15	T1951	6	77		76	78	77	84	80	83	88	96	103	100	90	89	90	90	82	85	80	79	77	81	82	76	79	79	75	74	72	68	65	63	56		106
71	6/12	50 cal Blank	30	T1953	3			70	77	75	80	83	85	91	97	104	102	94	91	90	86	81	83	81	75	76	76	79	75	78	78	71	69	70	66	65	64	53		107
71	6/12	50 cal Blank	30	T1953	7	71		71	77	74	80	83	86	91	97	104	102	94	90	91	88	81	83	81	75	75	75	79	76	79	79	71	69	70	66	64	63	52		107
71	6/12	50 cal Blank	30	T1955	3	74		74	79	76	83	84	86	89	91	94	93	94	93	94	93	85	80	81	83	81	83	83	84	84	84	82	82	81	81	80	79	70	40	103
71	6/12	50 cal Blank	30	T1955	7	72	67	71	80	78	82	84	87	89	91	93	93	94	93	94	93	86	80	81	84	81	82	82	83	84	84	82	81	80	80	78	76	69	43	103
71	6/12	50 cal Blank	60	T1957	3	61		68	72	71	76	77	80	82	84	86	86	85	83	81	77	72	74	74	75	73	76	77	76	76	75	74	72	70	69	66	60	49		94
71	6/12	50 cal Blank	60	T1957	6	61		66	70	67	76	77	80	82	83	85	86	84	82	81	76	70	73	72	74	73	75	76	76	75	74	73	72	71	68	66	60	48		93
71	6/12	50 cal Blank	60	T1958	3			68	72	71	75	78	81	85	89	95	93	88	82	80	74	72	70	69	64	63	73	78	65	73	74	66	67	65	63	61	59	44		99
71	6/12	50 cal Blank	60	T1958	6	65	59	69	72	70	76	77	81	85	90	95	93	87	82	79	73	70	69	68	63	62	69	72	63	70	71	63	65	65	59	58	55	34		99
71	6/12	50 cal Blank	15	T1960	3	80		76	85	79	85	86	88	90	91	94	92	96	94	93	89	92	89	88	83	87	87	87	87	87	88	88	86	86	85	83	82	74	48	104
71	6/12	50 cal Blank	15	T1960	6	69		80	85	81	86	89	88	91	92	94	94	97	95	94	91	93	90	89	87	89	89	88	89	91	90	90	89	87	87	86	83	76	51	106
71	6/12	50 cal Blank	30	T1962	3	81		78	83	73	84	85	86	87	89	92	93	91	92	91	88	82	80	82	83	83	84	84	85	86	85	84	82	81	79	76	73	65		101
71	6/12	50 cal Blank	30	T1962	6	77		77	81	73	83	84	84	87	88	91	93	91	91	89	87	81	81	82	82	82	82	83	83	83	82	81	80	79	77	74	69	61		100
71	6/12	50 cal Blank	15	T1964	3	80		80	79	78	81	83	82	85	86	85	89	97	115	102	90	88	89	103	88	96	90	92	90	88	85	81	78	76	77	74	71	60		116
71	6/12	50 cal Blank	15	T1964	6	73		72	75	78	81	84	86	86	88	88	93	100	117	104	92	91	91	104	90	98	91	93	91	88	85	82	79	77	77	74	72	63		117
71	6/12	50 cal Blank	30	T1966	3	83	74	78	81	77	83	85	84	85	86	87	92	98	116	103	91	88	89	104	87	97	88	91	87	84	81	79	77	76	76	73	67	59		117
71	6/12	50 cal Blank	30	T1966	6	79	78	78	80	78	82	81	81	81	82	82	88	95	115	101	89	86	88	103	86	96	87	90	87	84	80	79	77	75	76	72	68	62		116
71	6/12	50 cal Blank	60	T1968	3	69		71	74	58	76	78	79	81	83	85	90	96	108	97	84	79	77	80	77	83	78	81	80	78	70	70	70	70	73	68	59	51		108

71	6/12	50 cal Blank	60	T1970	3	65		63	71	67	74	78	80	81	83	84	85	83	78	74	73	69	72	73	74	73	75	74	75	74	73	73	71	69	67	63	46	46		92
75	5/11	50 cal Blank	60	T789	3	58	65	68	72	72	76	78	81	81	84	88	88	87	86	82	80	78	71	72	74	72	75	75	75	75	74	73	72	70	67	64	59	49	36	95
75	5/11	50 cal Blank	60	T789	6	54	66	66	71	73	76	79	82	82	86	89	90	89	88	84	82	80	73	75	77	75	76	77	77	76	76	74	73	71	69	66	60	50	43	97
75	5/11	50 cal Blank	60	T789	9	53	62	71	68	75	77	80	82	83	86	90	91	90	88	85	82	80	73	75	76	75	76	77	77	77	76	75	74	72	70	66	61	52	41	98
75	5/18	50 cal Blank	15	T986	2	63	64	64	68	68	71	73	75	77	79	82	83	84	85	87	90	86	87	87	86	86	89	91	91	92	94	92	91	92	92	92	91	86	75	103
75	5/18	50 cal Blank	15	T986	5	51	63	64	68	69	72	73	76	77	79	82	83	85	85	87	90	87	88	87	87	88	91	92	93	93	94	94	92	93	94	94	94	88	78	105
75	5/18	50 cal Blank	15	T986	9	60	64	71	70	71	74	75	77	79	81	83	85	86	87	89	92	88	89	89	88	90	91	92	94	94	96	96	94	95	95	95	94	89	78	106
75	6/9	50 cal Blank	30	T1918	3		68	76	78	82	80	79	81	82	85	88	91	102	116	97	90	90	94	103	88	95	89	85	83	81	79	77	74	73	69	65	63	54	45	116
75	6/9	50 cal Blank	30	T1918	6	75	73	75	78	76	80	78	81	81	83	87	92	101	115	98	91	89	94	103	89	95	90	86	83	80	78	77	75	72	69	65	63	54	43	116
75	6/9	50 cal Blank	30	T1920	3	70		74	75	79	77	80	83	86	88	91	91	91	88	90	93	90	82	83	84	84	86	84	85	85	84	85	83	80	79	77	73	65		101
75	6/9	50 cal Blank	30	T1920	6	77	72	74	79	77	80	81	83	87	88	91	91	91	88	90	94	91	82	84	84	86	86	85	85	85	85	85	83	83	81	79	75	67	39	102
75	6/9	50 cal Blank	60	T1922	3	65		65	70	70	73	76	78	83	84	86	87	84	79	85	83	76	73	71	72	73	74	75	75	75	74	72	71	69	67	63	56	46		94
75	6/9	50 cal Blank	60	T1922	6	55		67	70	68	74	76	77	82	82	85	86	83	78	84	82	77	72	71	71	72	74	75	74	74	72	72	70	68	66	62	54	45		93
75	6/9	50 cal Blank	60	T1924	3	65	66	73	75	75	76	77	77	81	83	86	89	99	110	93	86	84	86	90	80	78	74	74	75	73	71	70	66	66	61	54	51	47	38	111
75	6/9	50 cal Blank	60	T1924	6	68	70	66	76	70	77	78	77	80	82	85	89	98	109	93	86	83	84	88	79	75	74	73	76	72	70	69	65	65	59	54	48	40	35	110
75	6/9	50 cal Blank	90	T1925	3	60	52	60	66	71	70	73	74	76	80	83	87	97	109	92	85	83	87	94	83	82	76	75	76	73	72	72	69	66	63	56	54	49	34	110
75	6/9	50 cal Blank	90	T1925	7	68	62	63	64	70	70	73	75	77	80	84	88	97	109	92	84	83	86	93	81	80	76	74	75	72	69	70	65	62	58	53	52	46	37	109
75	6/9	50 cal Blank	90	T1926	4	64		63	67	69	71	75	77	80	82	84	85	83	79	80	79	75	72	73	74	75	75	75	74	74	72	71	69	67	64	60	51	41		92
75	6/9	50 cal Blank	90	T1926	7	54		62	65	69	70	74	77	79	81	84	84	82	79	79	78	74	72	75	74	74	74	74	74	74	73	71	69	67	64	60	50	43		92
79	6/14	50 cal Blank	30	T1468	2	54	57	56	56	56	60	61	63	66	68	70	74	73	75	75	77	72	71	75	78	82	84	87	84	87	85	83	81	81	82	80	80	73	61	95
79	6/14	50 cal Blank	30	T1469	2	67	71	74	70	71	72	74	77	78	80	81	88	97	108	91	84	83	87	90	80	82	79	84	80	84	81	77	75	70	68	65	61	56	50	109
79	6/14	50 cal Blank	60	T1470	3	65	65	67	65	71	72	73	73	74	77	80	85	95	105	91	84	81	84	89	80	82	78	81	75	80	77	75	72	67	63	60	57	54	52	105
79	6/14	50 cal Blank	90	T1471	3	63	63	64	62	67	67	70	72	75	76	80	84	93	102	85	78	78	81	83	76	71	74	79	72	75	71	69	68	62	57	54	51	48	46	103
79	6/14	50 cal Blank	90	T1471	8	63	52	54	54	62	65	70	71	76	77	81	85	94	102	85	80	78	81	83	78	72	74	80	72	76	72	69	69	64	61	58	54	52	49	103
79	6/14	50 cal Blank	60	T1472	3	49	52	50	55	55	56	59	61	64	66	68	70	69	68	70	72	68	71	74	78	79	80	84	86	84	82	81	79	79	79	78	76	68	59	93
79	6/14	50 cal Blank	90	T1473	4	47	37	37	46		49	52	51	56	59	63	64	64	62	60	60	59	66	71	74	76	77	77	77	77	75	73	72	71	69	67	63	56	50	86
79	6/14	50 cal Blank	90	T1473	8		43		34		45	49	52	56	59	63	65	65	62	61	60	59	66	71	74	77	78	78	77	78	76	74	73	73	71	68	64	57	53	87
79	6/14	50 cal Blank	90	T1474	4	44		48	42		45	51	54	58	62	64	64	64	60	59	60	62	69	72	74	75	76	77	77	76	75	73	71	70	67	65	61	51	31	85
79	6/14	50 cal Blank	90	T1474	8			47	44		47	47	51	56	60	63	61	63	57	56	59	61	68	70	72	73	75	76	75	75	73	71	69	68	66	63	59	49	28	84
79	6/14	50 cal Blank	60	T1475	3	42		47	48	48	49	55	58	62	65	66	67	68	65	63	60	67	74	75	77	80	82	82	83	82	80	80	79	78	76	73	70	63	53	91
79	6/14	50 cal Blank	90	T1476	4	64	64	64	62	64	66	72	74	77	79	85	94	107	90	81	79	82	87	81	85	82	74	75	72	73	68	71	68	64	60	61	54	50	48	107

79	6/14	50 cal Blank	90	T1476	8	60	51	55	48	57	63	69	71	75	78	83	92	105	87	79	77	80	85	78	83	79	72	71	69	70	65	68	65	62	58	60	53	50	47	106
79	6/14	50 cal Blank	60	T1477	2	64	63	65	67	68	69	71	74	78	82	85	95	109	93	82	81	86	93	85	89	84	77	78	74	75	71	75	71	68	65	65	60	55	53	109
79	6/14	50 cal Blank	30	T1478	3	72	68	74	74	75	77	76	79	82	85	90	102	115	98	90	88	91	93	90	94	90	84	84	82	81	78	81	78	75	73	74	67	60	52	115
79	6/14	50 cal Blank	30	T1478	7	59	63	67	70	68	74	75	76	79	82	87	99	112	96	89	85	88	91	88	92	87	81	81	80	79	76	78	75	73	70	71	64	57	50	113
79	6/14	50 cal Blank	30	T1479	3	56	56	59	53	58	62	64	67	70	73	76	76	74	75	77	75	76	79	82	87	89	91	90	91	89	89	88	87	87	85	84	82	74	58	100
79	6/14	50 cal Blank	30	T1479	7	44		54	50	49	58	62	64	67	70	73	74	72	73	75	72	74	77	79	84	85	87	87	88	87	88	87	85	85	83	83	82	73	55	97
80	6/15	50 cal Blank	60	T922	3	67	65	67	69	67	71	72	73	73	74	78	83	95	100	84	79	78	80	81	86	74	77	72	68	68	65	62	64	61	56	52	49	45	43	101
80	6/15	50 cal Blank	60	T922	8	59	58	56	61	65	67	69	70	68	68	74	79	93	99	80	75	76	79	78	83	73	75	70	66	66	62	59	62	60	55	49	46	43	41	100
80	6/15	50 cal Blank	60	T923	3	53	57	56	65	64	70	73	74	77	79	81	80	78	73	70	68	66	71	72	74	73	74	74	73	72	71	70	69	67	65	63	59	48	27	89
80	6/15	50 cal Blank	60	T923	8	47	54	58	61	63	67	69	71	73	76	78	77	75	71	67	66	64	67	70	71	71	71	70	70	69	68	67	65	64	62	59	55	45	25	86
80	6/15	50 cal Blank	60	T926	3	65	64	62	65	69	71	75	78	78	79	82	87	99	104	86	82	84	86	86	89	80	81	78	73	72	69	69	69	66	63	59	56	52	49	106
80	6/15	50 cal Blank	60	T926	7	59	55	57	63	66	70	73	75	76	75	79	84	97	104	85	82	83	86	85	88	79	79	76	73	71	68	66	67	65	60	56	53	51	48	105
80	6/15	50 cal Blank	75	T927	4	64	65	65	64	66	68	71	73	75	78	81	86	98	106	86	80	79	85	83	87	75	77	73	71	71	68	67	70	67	61	56	54	50	48	107
80	6/15	50 cal Blank	75	T927	9	60	53	60	60	64	68	71	74	76	80	83	88	99	106	87	81	80	85	84	88	76	78	74	73	73	71	70	74	70	63	61	58	53	51	107
80	6/15	50 cal Blank	60	T928	2	48	55	65	68	73	73	77	79	80	84	86	84	82	77	73	71	70	74	77	77	77	79	78	78	77	75	73	73	71	70	67	63	53	30	93
80	6/15	50 cal Blank	60	T928	7	57	56	64	67	70	73	76	78	80	83	85	83	82	76	72	71	69	74	76	76	77	78	77	78	77	75	74	72	71	69	66	63	54	47	92
80	6/15	50 cal Blank	75	T929	4	55	53	63	63	69	71	74	76	77	81	83	83	79	75	68	65	68	72	75	74	75	75	75	74	73	72	71	70	69	67	63	59	48	27	90
80	6/15	50 cal Blank	75	T929	9	52	52	63	66	69	73	75	77	79	82	84	84	80	76	69	67	67	72	76	75	76	75	76	75	74	73	72	70	69	67	64	59	49	30	91
80	6/15	50 cal Blank	90	T930	4	54	53	60	66	70	70	74	77	79	81	83	81	76	70	64	62	65	71	73	73	74	74	74	73	72	71	70	69	67	65	61	57	46	26	90
80	6/15	50 cal Blank	90	T930	7	43	51	61	60	67	70	73	76	77	79	81	80	75	68	62	60	65	69	70	71	71	72	71	71	70	70	68	67	66	63	60	55	44	23	88
80	6/15	50 cal Blank	90	T931	4	64	62	63	61	63	65	68	71	73	76	80	83	95	101	82	78	78	81	80	84	71	74	70	69	71	68	66	67	63	58	55	52	48	45	102
80	6/15	50 cal Blank	90	T931	8	62	58	62	58	58	60	63	68	72	74	78	82	93	100	80	76	76	81	79	82	71	74	70	67	67	65	63	66	62	58	55	51	47	45	101
81	6/2	50 cal Blank	60	T1464	4	45		45	49	52	53	56	58	62	64	65	65	61	56	56	61	64	68	72	74	76	79	81	82	80	76	76	74	72	72	70	67	58	33	89
81	6/2	50 cal Blank	60	T1464	11	50		42	46	45	53	56	59	63	66	67	66	62	56	59	62	65	69	73	75	78	80	82	85	82	79	78	75	74	73	71	68	59	37	91
81	6/2	50 cal Blank	60	T1464	18	50		41	49	42	52	56	58	62	64	65	65	61	56	57	60	63	68	72	74	76	79	82	84	81	78	76	74	73	72	70	67	58	41	90
81	6/5	50 cal Blank	30	T1006	4	61	54	47	57	57	60	63	66	69	71	72	70	70	70	64	68	75	76	79	83	84	85	87	88	88	89	87	88	88	85	83	81	73	60	98
81	6/5	50 cal Blank	30	T1006	10	55		45	52	50	61	63	65	69	71	72	70	71	71	66	68	76	76	78	82	83	85	88	87	89	89	86	87	88	85	83	80	73	58	98
83	6/1	50 cal Blank	30	T1805	3	73		73	77	73	72	78	79	82	87	94	111	107	93	89	88	97	85	86	84	87	90	85	88	85	85	79	77	78	76	73	70	61		113
83	6/1	50 cal Blank	30	T1805	10	67		75	70	72	75	78	80	82	87	94	111	107	93	90	88	97	85	86	84	86	89	85	88	85	83	80	76	77	76	71	69	61	40	113

83	6/1	50 cal Blank	30	T1807	3	71	61	72	76	76	80	82	84	86	89	92	92	92	90	90	93	93	87	80	83	84	83	85	86	87	88	86	89	89	88	84	82	74	45	103
83	6/1	50 cal Blank	30	T1807	10	67	61	78	77	80	81	82	85	87	90	92	92	91	90	91	93	93	87	80	83	84	83	85	86	85	86	85	87	87	85	83	80	72	46	103
83	6/1	50 cal Blank	60	T1809	4	60		71	68	74	76	79	80	84	87	89	92	92	88	89	85	81	74	74	76	76	77	77	78	77	77	80	80	79	76	73	69	60	34	99
83	6/1	50 cal Blank	60	T1809	8	0		66	65	70	74	77	79	82	85	87	90	91	86	87	84	80	72	73	74	74	76	76	77	77	77	78	80	79	75	71	67	58		97
83	6/1	50 cal Blank	60	T1810	4	65		74	73	75	76	77	77	80	88	93	110	106	93	90	85	92	82	79	81	84	86	80	84	81	77	70	68	72	70	65	61	52	35	112
83	6/1	50 cal Blank	60	T1810	9	63	69	72	73	74	75	75	74	79	86	91	108	105	92	88	83	91	81	77	78	82	84	80	83	80	77	69	68	71	68	64	61	51		110
83	6/1	50 cal Blank	30	T1813	4	65	60	75	73	74	75	78	78	79	80	85	90	109	109	90	85	84	99	89	90	88	86	82	79	78	77	77	75	72	70	66	63	54	39	113
83	6/1	50 cal Blank	30	T1813	8	73	64	70	74	75	73	80	80	81	82	87	91	111	111	91	87	86	101	91	92	90	88	84	81	80	79	78	76	74	70	67	63	55		114
83	6/1	50 cal Blank	60	T1814	8	73	68	74	70	67	74	74	79	82	82	82	86	102	100	76	74	69	87	73	70	69	68	67	64	63	58	60	58	48	50	44	0	0		104
83	6/1	50 cal Blank	30	T1815	4	71	62	72	77	79	80	82	84	85	89	92	94	94	93	90	90	86	80	79	83	80	81	81	83	83	82	84	85	83	81	80	75	68	45	102
83	6/1	50 cal Blank	30	T1815	8			75	76	77	79	83	85	88	90	94	95	95	95	91	92	88	81	80	85	82	83	83	83	83	83	84	84	83	81	79	76	68	45	103
83	6/1	50 cal Blank	60	T1816	3	73	74	76	71	75	80	86	88	91	91	89	89	83	74	73	78	73	71	72	72	71	71	70	70	70	68	68	65	62	61	58	55	45		98
83	6/1	50 cal Blank	60	T1817	4			66	66	71	69	74	77	79	84	85	86	88	83	82	81	77	74	73	73	75	74	77	77	76	75	74	72	72	71	68	63	54	34	94
83	6/1	50 cal Blank	60	T1817	9	62		67	64	71	73	74	78	81	86	87	88	90	86	85	83	80	77	77	76	77	77	78	78	77	75	74	73	72	69	66	59	48		96
83	6/1	50 cal Blank	60	T1818	5	70	54	72	74	75	72	74	76	78	81	84	89	107	106	90	85	82	89	82	76	75	76	79	75	76	72	75	72	69	62	57	55	47	38	110
83	6/1	50 cal Blank	60	T1818	9	64	68	74	72	75	74	76	77	79	82	85	90	109	108	92	87	84	93	85	80	78	78	81	79	82	77	78	75	71	66	63	59	51	33	112
86	6/6	50 cal Blank	60	T1296	2	76	73	75	76	73	73	73	74	76	77	80	87	99	108	87	81	80	92	90	82	86	80	76	74	74	72	69	70	68	66	66	63	58	54	109
86	6/6	50 cal Blank	60	T1296	4	66	69	66	68	71	70	71	74	76	78	81	87	99	108	87	82	81	92	91	83	87	81	77	76	76	74	71	68	69	67	66	64	61	56	109
86	6/6	50 cal Blank	60	T1298	2	40		47	51	34	46	50	54	59	60	66	68	69	70	70	70	64	66	71	72	74	77	79	79	78	76	76	75	74	74	73	71	62	54	87
86	6/6	50 cal Blank	90	T1300	2	48	47	45	43	43	46	48	52	55	59	62	62	61	61	57	53	54	57	62	67	70	73	78	75	72	72	71	70	68	67	64	61	51	42	83
86	6/6	50 cal Blank	90	T1300	5			40	38		42	47	52	56	61	65	65	64	63	59	58	55	58	64	69	72	75	81	79	74	75	73	73	71	70	68	65	56	50	86
86	6/6	50 cal Blank	120	T1302	3	37		43	38	39	41	47	50	52	56	60	61	60	56	56	56	54	56	59	64	66	68	70	70	69	69	68	65	63	61	58	54	43	22	78
86	6/6	50 cal Blank	120	T1302	7	41		39			42	45	49	54	56	60	62	61	57	57	56	54	56	60	64	66	69	70	70	69	69	68	65	63	62	58	54	43	26	78
86	6/6	50 cal Blank	90	T1303	2	66	62	61	62	61	66	67	69	71	75	79	82	93	100	79	74	71	78	77	79	71	70	68	67	67	65	59	60	57	57	56	51	44	40	101
86	6/6	50 cal Blank	90	T1303	6	69	64	60	65	60	68	69	71	74	78	82	84	94	102	82	79	76	81	82	79	73	72	69	71	72	68	61	61	60	58	57	54	46	44	103
86	6/6	50 cal Blank	120	T1305	3	68	66	67	65	62	66	68	71	72	75	78	83	93	98	82	75	71	75	70	76	68	66	63	63	67	65	59	59	57	53	51	46	39	36	100
86	6/6	50 cal Blank	120	T1305	7	62	55	53	57	62	66	67	70	72	75	78	83	94	99	82	76	73	76	71	77	70	66	63	63	66	65	57	58	55	53	51	47	41	38	101
86	6/6	50 cal Blank	60	T1310	2	66	64	64	64	64	66	67	68	70	73	74	75	77	82	88	102	89	77	76	78	85	71	76	68	70	70	67	63	59	55	51	48	46	44	103
86	6/6	50 cal Blank	60	T1310	6	60	56	59	55	57	63	63	66	68	72	73	74	77	83	89	103	89	76	77	79	86	71	77	70	71	72	70	65	62	59	55	52	49	48	104
86	6/6	50 cal Blank	120	T1312	3	70	66	66	69	67	66	66	66	68	72	72	75	80	87	92	107	93	82	81	86	95	79	87	80	80	78	75	72	70	69	65	61	59	57	107
86	6/6	50 cal Blank	120	T1312	7	74	63	62	66	64	69	69	69	72	75	76	79	83	87	94	108	95	84	83	87	96	81	88	81	81	79	76	74	71	68	65	62	60	58	109

86	6/6	50 cal Blank	60	T1313	2			44	37		43	43	49	52	57	60	61	59	58	57	55	52	54	60	63	67	69	70	70	69	68	67	64	63	60	57	52	42	20	78
86	6/6	50 cal Blank	60	T1313	6	37		34	46		42	45	50	52	57	61	62	62	59	57	56	53	55	61	64	67	70	71	71	70	68	67	66	64	61	59	53	42	26	79
86	6/6	50 cal Blank	120	T1315	3		42	34	46	40	46	51	53	58	64	66	68	68	68	69	72	63	64	69	71	72	74	75	76	75	74	73	72	72	71	69	66	57	31	85
86	6/6	50 cal Blank	120	T1315	7	47		44	43		48	53	56	60	66	68	70	70	71	71	74	64	66	71	73	73	76	77	77	77	76	75	74	74	72	71	68	59	34	87
86	6/6	50 cal Blank	90	T1316	2	33	42	45	43		42	45	51	54	60	63	65	65	62	61	61	57	56	61	65	68	70	72	72	71	70	70	69	67	66	63	60	49	26	81
86	6/6	50 cal Blank	90	T1316	6			36	41	36	45	49	52	57	63	67	68	68	65	65	65	61	58	63	68	71	73	74	75	74	73	73	72	70	68	67	62	52	29	84
86	6/6	50 cal Blank	90	T1317	3	72	66	67	62	61	63	65	65	66	68	71	73	75	80	89	101	89	77	76	80	88	74	79	73	73	72	70	67	64	61	57	54	52	50	102
86	6/6	50 cal Blank	90	T1317	6	62	66	62	61	59	66	66	67	69	73	75	75	79	82	91	103	91	80	80	82	90	77	80	75	75	75	73	70	67	65	60	57	54	52	104
87	5/17	50 cal Blanks	30	T489	5			48	57		61	62	65	69	73	76	78	80	82	87	84	76	76	76	79	80	82	84	86	85	85	87	86	86	87	85	85	79	79	97
87	5/17	50 cal Blanks	30	T489	9	51	51	62	57		61	61	63	70	72	76	79	80	83	87	85	76	77	76	79	80	82	85	85	85	85	86	85	85	84	84	83	76	51	97
87	5/17	50 cal Blanks	30	T489	13			57			65	65	67	70	74	78	80	81	84	89	86	77	79	78	81	81	83	86	87	86	86	87	86	87	87	85	84	77	52	98
88	5/12	50 cal Blanks	60	T321	2			42	33		45	48	51	57	61	65	67	69	65	64	56	60	66	68	71	73	75	75	76	75	74	72	70	69	67	64	61	51	30	84
88	5/12	50 cal Blanks	60	T321	5	39		47	40		47	51	54	58	62	66	68	71	67	66	57	61	65	69	72	74	76	77	77	76	75	73	71	69	68	65	62	52	46	85
88	5/12	50 cal Blanks	60	T321	7					35	48	51	54	59	63	67	69	72	68	66	57	63	67	69	73	75	76	78	77	77	76	74	72	70	68	66	63	52	30	86
88	6/13	50 cal Blank	30	T1715	3	66		71			67	63	57	71	72	73	76	74	73	70	72	71	74	77	80	84	84	85	89	87	85	85	82	82	83	82	79	71	42	96
88	6/13	50 cal Blank	30	T1715	7	72		71	69		70	70	62	73	71	73	77	77	75	73	74	71	76	79	81	85	87	88	89	88	87	87	83	83	84	83	79	72		97
88	6/13	50 cal Blank	30	T1717	3	68		72	73	62	79	79	77	79	81	86	96	111	97	89	86	86	94	86	94	85	84	80	84	79	78	77	81	76	73	70	66	58	42	111
88	6/13	50 cal Blank	30	T1717	7	77	63	77	77	68	79	80	78	79	83	88	97	112	98	90	87	87	97	88	94	86	86	83	84	79	79	79	83	77	74	72	67	60		113
88	6/13	50 cal Blank	60	T1718	3	61		63	73	72	76	78	79	81	84	87	96	108	98	87	84	82	84	84	92	80	76	75	80	74	71	72	78	70	65	62	57	51		109
88	6/13	50 cal Blank	60	T1718	7	70		67	75	68	77	79	79	81	84	88	96	109	98	87	84	82	86	84	92	80	77	75	80	74	72	73	78	70	66	64	58	52		110
88	6/13	50 cal Blank	60	T1719	3			63	67		65	63	50	65	69	66	70	71	72	67	68	68	71	75	78	78	79	81	80	81	80	78	77	76	76	73	70	60	38	90
88	6/13	50 cal Blank	60	T1719	7	72		65	63		66	63	0	66	67	68	71	71	72	67	69	68	72	75	78	78	80	83	81	81	80	78	76	77	76	74	70	60		91
107	5/4	50 cal Blank	45	T1000	2	47	50	64	66	72	73	77	79	82	84	85	86	85	84	81	78	69	70	72	74	74	74	75	75	74	74	72	70	69	66	62	57	47	31	94
107	5/4	50 cal Blank	45	T1000	5	57	50	68	66	73	75	78	79	82	83	85	86	86	84	81	79	70	70	73	75	75	75	76	76	75	74	72	71	68	66	62	57	47	30	94
107	5/4	50 cal Blank	45	T1000	7	57	45	63	62	70	71	74	75	78	80	82	82	81	79	77	73	64	66	68	70	70	71	71	72	70	70	69	67	64	62	58	53	42	28	90
107	5/8	50 cal Blank	90	T823	4	50	49	63	64	70	71	74	76	79	82	84	84	84	78	70	66	64	67	69	71	71	72	72	72	72	70	69	66	63	60	55	49	38	27	91
107	5/8	50 cal Blank	90	T823	7	45	55	66	64	71	73	76	78	81	84	86	86	86	81	72	68	65	68	71	72	73	73	74	74	73	72	71	68	65	62	57	51	39	27	93
107	5/8	50 cal Blank	90	T823	10	49	52	67	67	72	74	77	79	82	84	87	87	86	82	74	70	68	68	72	74	74	75	75	75	74	73	72	69	67	63	58	52	41	28	94
107	5/11	50 cal Blanks	60	T533	8	56	61	66	69	71	74	77	79	81	84	87	86	83	78	75	69	67	70	74	76	76	77	79	78	81	79	77	76	70	69	64	59	51	46	94

107	5/15	50 cal Blank	90	T1081	7	62	60	61	62	60	56	52	51	52	55	58	58	56	55	53	50	53	59	64	66	68	71	72	72	71	70	68	66	66	62	60	55	45	27	80
107	5/15	50 cal Blank	90	T1081	9	54	51	53	52	47	47	48	50	54	56	58	58	57	55	54	50	53	60	65	68	69	72	73	73	72	71	69	66	65	62	60	55	45	26	81
107	5/15	50 cal Blank	90	T1081	12	59	56	56	54	52	51	51	53	55	59	60	61	58	57	55	52	56	60	65	69	70	72	74	73	73	71	70	67	66	64	61	57	46	28	82
107	6/9	50 cal Blank	45	T1904	3	68	0	71	71	77	74	79	80	81	82	85	89	93	106	101	87	87	85	90	94	89	85	77	77	74	70	71	68	64	60	58	53	50		108
107	6/9	50 cal Blank	45	T1904	7	70	0	73	75	78	79	78	80	82	83	86	89	93	106	101	87	88	84	90	94	88	85	78	78	75	71	71	68	65	61	57	54	40		108
107	6/9	50 cal Blank	45	T1906	3	64	0	71	72	77	76	79	83	84	86	87	86	83	79	77	74	72	76	79	80	82	84	83	85	83	77	76	74	72	69	66	56	50		96
107	6/9	50 cal Blank	45	T1906	7			73	71	76	79	80	82	85	86	87	87	83	79	77	74	72	77	80	81	82	84	83	84	82	78	76	74	72	70	66	57	43		96
107	6/9	50 cal Blank	60	T1908	3			64	67	73	73	76	78	80	83	83	82	77	73	73	70	70	76	76	78	78	78	78	76	76	75	74	71	68	66	63	52	44		91
107	6/9	50 cal Blank	60	T1908	7			67	74	73	75	78	81	83	85	85	84	80	76	74	73	73	78	80	81	81	81	81	80	80	79	77	73	71	68	65	57	48		94
107	6/9	50 cal Blank	60	T1910	3	56		65	70	71	72	76	76	77	81	83	87	92	104	101	86	85	81	86	95	90	79	76	79	72	69	71	67	64	59	57	53	48		106
107	6/9	50 cal Blank	60	T1910	7			63	72	74	74	77	77	78	83	84	89	93	107	103	89	88	84	89	97	92	83	80	81	75	73	72	68	66	59	57	54	50	42	109
107	6/9	50 cal Blank	90	T1911	3	61		64	67	69	69	74	74	75	78	80	81	88	94	93	81	78	77	78	88	85	72	68	77	69	67	70	66	64	55	56	51	44	34	98
107	6/9	50 cal Blank	90	T1911	7	60		61	67	67	72	74	75	76	79	81	82	89	95	94	82	78	78	79	89	86	74	69	78	70	68	70	65	64	56	56	50	43	31	99
107	6/9	50 cal Blank	90	T1912	3	59		63	65	70	69	73	76	77	79	79	76	72	66	65	65	67	72	73	74	73	74	74	75	73	71	69	67	64	61	56	42	39	30	88
107	6/9	50 cal Blank	90	T1912	7	58	51	63	69	68	72	75	77	78	79	80	77	73	65	65	66	68	73	74	75	75	75	75	75	73	71	70	67	64	61	56	42	38		88
120	6/21	50 cal Blank	30	T1725	2	78	76	72	71	74	75	77	79	80	81	85	89	98	113	96	88	85	89	99	85	91	85	83	82	83	81	81	78	75	71	66	64	56	41	113
120	6/21	50 cal Blank	30	T1725	7	73	79	72	69	79	76	70	79	81	81	86	90	98	114	97	88	87	91	101	87	94	88	85	84	84	82	82	79	75	73	69	65	55	46	115
120	6/21	50 cal Blank	30	T1725	13	70	76	67	71	73	74	72	76	77	77	83	86	95	111	94	85	82	88	98	83	90	84	82	80	81	79	80	77	74	70	66	62	53		112
120	6/21	50 cal Blank	30	T1727	2	69	71	73	74	77	79	80	82	85	88	91	92	90	87	80	83	80	81	80	83	83	84	86	86	85	84	83	82	81	79	79	76	69	44	100
120	6/21	50 cal Blank	30	T1727	7		69	72	75	77	80	81	85	87	91	93	94	92	89	83	84	81	83	82	86	87	88	88	87	86	86	85	83	83	81	81	78	70	44	102
120	6/21	50 cal Blank	30	T1727	13	68		70	74	76	78	80	82	84	89	90	91	89	86	80	81	78	80	78	82	82	84	86	83	82	83	81	81	78	79	78	76	68		99
120	6/21	50 cal Blank	30	T1729	2	69		72	74	70	76	80	81	84	87	91	95	94	93	90	81	79	82	85	83	83	85	86	86	88	85	85	84	83	82	81	79	72	49	102
120	6/21	50 cal Blank	30	T1729	7	74		70	79	77	83	86	86	90	91	96	99	98	96	92	84	83	86	88	86	87	88	90	90	91	90	89	87	88	86	85	83	76	49	106
120	6/21	50 cal Blank	30	T1730	2	67		65	68	71	75	77	79	82	86	93	100	101	95	88	87	83	85	85	79	80	89	84	79	75	76	76	80	72	70	70	62	54		105
120	6/21	50 cal Blank	30	T1730	7	69		62	75	73	81	83	84	87	90	98	103	105	98	91	91	88	91	88	82	84	93	87	82	79	79	79	81	75	73	73	65	57		109
120	6/21	50 cal Blank	60	T1731	2		55	58	68	72	73	76	78	82	84	89	93	95	91	85	80	74	75	75	69	75	85	80	72	65	65	70	75	65	66	67	61	48		99
120	6/21	50 cal Blank	60	T1731	5	55	55	55	65	73	71	78	80	81	84	88	93	95	91	85	80	74	74	74	69	75	86	80	73	65	66	71	75	66	66	66	59	48		99
120	6/21	50 cal Blank	60	T1732	2			60	67	72	73	76	78	80	82	86	87	86	84	76	65	65	70	73	75	77	78	78	78	76	76	75	74	72	70	68	63	52		94
120	6/21	50 cal Blank	60	T1732	5	63	66	64	66	74	72	78	79	80	83	85	87	86	84	76	67	64	70	72	75	76	79	77	79	78	77	77	74	72	71	68	64	53		94
126	6/13	50 cal Blank	15	T1693	3	73	67	77	74	76	81	80	82	83	86	90	107	110	94	87	84	97	93	86	92	91	85	84	89	87	85	82	79	77	75	71	68	60		112
126	6/13	50 cal Blank	15	T1693	8	71	70	77	74	78	80	81	81	81	84	88	105	109	93	86	83	96	93	85	91	89	83	81	85	83	82	81	78	73	71	67	66	58		111

126	6/13	50 cal Blank	30	T1694	4	71		70			72	78	78	83	82	91	103	107	92	86	83	89	89	82	91	92	85	83	86	81	81	78	75	71	70	67	64	57		109
126	6/13	50 cal Blank	15	T1696	3			71	72	68	76	76	77	78	78	80	81	81	82	88	87	83	82	84	88	90	91	93	94	94	94	93	90	91	90	89	88	82	55	103
126	6/13	50 cal Blank	15	T1696	8			70	60	60	73	72	74	75	76	78	79	79	78	86	86	81	79	82	86	88	88	90	92	93	92	90	89	89	90	90	90	84	58	102
126	6/13	50 cal Blank	30	T1697	4	71		69	71		67	66	60	73	67	71	74	73	73	80	77	72	75	76	80	82	84	87	87	87	87	86	85	84	84	82	80	73	46	96
126	6/13	50 cal Blank	60	T1698	4	62		64			63	50	56	66	65	67	67	69	70	70	68	63	68	70	72	75	76	77	78	78	79	80	77	77	77	74	72	64	41	89
126	6/13	50 cal Blank	60	T1698	7			57	53		60	61	0	66	66	67	69	69	70	70	67	62	68	69	71	74	76	78	78	77	78	78	78	79	77	75	72	64	35	89
126	6/13	50 cal Blank	60	T1698	10			57	61		59	62	0	64	64	68	70	69	70	71	68	63	66	69	71	73	74	77	77	76	77	77	77	77	75	74	70	62	39	87
126	6/13	50 cal Blank	60	T1699	1			65	64	71	74	74	76	79	80	87	101	101	89	83	79	82	81	75	82	85	75	75	82	79	75	72	67	64	64	61	59	49		104
126	6/13	50 cal Blank	60	T1699	5	60		64	65	69	72	74	75	79	80	87	101	101	89	84	80	83	82	75	81	83	75	75	81	78	73	71	67	64	65	60	58	50	34	105
126	6/13	50 cal Blank	60	T1699	8		67	70	67	71	72	74	76	79	80	87	101	102	89	83	80	83	81	76	80	82	74	77	83	77	74	74	68	64	64	60	57	50	34	105
126	6/13	50 cal Blank	15	T1705	2	67	68	76	75	78	77	80	82	84	83	87	94	108	108	93	87	87	97	91	98	93	91	90	86	84	84	83	82	81	79	78	76	68	46	112
126	6/13	50 cal Blank	15	T1705	6	62	65	73	71	73	76	79	79	82	81	85	92	105	107	91	84	85	94	89	97	91	90	88	84	81	82	81	78	79	76	76	72	65	44	110
126	6/13	50 cal Blank	30	T1706	2			71	65	73	76	76	75	77	76	78	85	102	106	85	77	78	94	87	86	86	84	82	77	76	75	73	72	71	68	65	63	55	41	108
126	6/13	50 cal Blank	30	T1706	6	69		76	74	77	79	81	83	84	84	85	93	109	114	92	85	88	101	94	96	94	94	91	86	84	84	81	79	80	78	76	74	66	44	116
126	6/13	50 cal Blank	15	T1708	2				66		70	74	75	77	80	80	83	83	82	87	85	83	85	87	88	93	93	95	94	95	92	91	90	91	91	90	89	82	58	104
126	6/13	50 cal Blank	15	T1708	6	67		73	69	71	73	74	74	76	78	78	81	81	79	84	82	80	82	84	86	91	91	92	92	91	90	87	88	88	88	87	86	80	56	101
126	6/13	50 cal Blank	30	T1709	2			59	0		69	67	56	68	68	67	73	73	73	73	75	74	70	72	72	77	80	78	80	80	84	83	83	81	78	77	77	68		92
126	6/13	50 cal Blank	30	T1709	6			74	69		68	69	68	76	75	77	80	79	80	79	81	80	77	80	81	87	88	87	89	91	92	93	90	88	87	87	85	77	52	100
126	6/13	50 cal Blank	60	T1710	3	62		64	58		59	55	0	66	68	70	72	71	68	68	70	67	68	71	74	77	78	79	80	81	82	79	78	75	74	72	70	61	37	90
126	6/13	50 cal Blank	60	T1710	7			55	57		59	49	46	63	67	71	73	71	70	70	71	67	68	72	75	79	80	81	80	80	80	79	78	76	74	72	69	60	37	90
126	6/13	50 cal Blank	60	T1711	3	66	67	75	69	74	76	75	78	80	84	87	91	105	109	88	81	80	91	84	90	83	83	81	76	72	75	72	71	74	70	68	68	58	41	111
126	6/13	50 cal Blank	60	T1711	7		66	75	68	74	75	78	78	81	84	87	90	106	110	88	82	82	94	86	91	85	85	83	78	75	77	74	72	75	71	68	67	58	40	112
133	6/14	50 cal Blank	30	T914	2	69	65	64	76	71	78	80	81	82	85	87	89	92	90	88	82	81	79	81	79	82	83	84	84	85	85	85	84	83	82	80	78	72	61	99
133	6/14	50 cal Blank	30	T914	5	65	67	63	74	75	79	79	82	85	85	88	90	92	91	88	84	81	80	81	79	85	84	84	84	83	83	84	81	79	77	75	73	66	52	100
133	6/14	50 cal Blank	30	T915	2	74	71	69	72	69	74	77	78	81	84	92	110	100	89	85	86	94	84	86	90	86	84	80	76	75	74	79	81	73	72	69	67	60	50	111
133	6/14	50 cal Blank	30	T915	5	70	70	63	71	69	74	76	77	82	85	93	111	101	89	85	86	94	86	86	91	87	84	80	77	75	74	80	83	73	73	70	67	58	49	112
133	6/14	50 cal Blank	60	T916	1	63	64	64	69	66	70	71	73	77	80	88	107	96	83	81	82	92	77	81	81	77	74	72	73	71	67	72	76	65	65	61	57	54	50	108
133	6/14	50 cal Blank	60	T916	5	64	65	57	64	67	68	70	74	79	81	90	107	96	85	82	83	91	79	82	84	80	77	74	73	70	67	73	76	66	67	62	59	54	51	108
133	6/14	50 cal Blank	60	T917	2	61	62	58	70	68	75	76	78	80	83	84	86	85	83	80	75	73	73	74	73	74	74	74	74	74	73	72	70	69	67	64	59	49	29	93

133	6/14	50 cal Blank	60	T917	5	58	62	59	68	72	74	75	79	81	83	84	86	86	83	81	76	74	75	75	75	77	76	76	76	77	76	74	72	72	70	67	63	53	43	94
133	6/14	50 cal Blank	90	T918	3	55	52	54	66	64	70	71	74	74	77	77	79	79	77	71	66	66	68	70	69	69	70	70	70	70	69	68	65	63	61	56	50	39	24	87
133	6/14	50 cal Blank	90	T918	7	54	59	53	63	67	70	71	74	75	77	77	80	79	77	72	67	65	69	70	70	70	71	71	71	70	69	68	66	64	61	56	51	39	25	88
133	6/14	50 cal Blank	90	T919	3	65	59	61	62	62	67	69	73	74	77	85	100	91	82	78	76	81	74	73	80	73	66	66	68	66	62	71	73	60	60	56	51	47	45	101
133	6/14	50 cal Blank	90	T919	7	59	59	55	57	60	66	69	73	75	78	85	102	92	82	78	76	82	74	74	81	74	66	67	68	67	63	70	73	60	61	58	53	50	48	102
137	5/31	50 cal Blank	30	T1785	4		70	72	75	76	80	82	83	85	86	87	88	88	80	73	74	77	81	85	83	89	89	87	86	83	81	81	77	76	73	70	65	55	39	98
137	5/31	50 cal Blank	30	T1785	9	68		71	77	76	78	81	84	86	86	88	88	88	81	74	76	78	82	86	84	88	88	86	86	81	81	80	76	76	73	71	64	56		98
137	5/31	50 cal Blank	30	T1786	3	61		73	72	78	79	82	83	85	86	88	88	88	82	74	76	79	82	87	86	90	91	89	86	81	81	81	78	77	74	72	67	57		99
137	5/31	50 cal Blank	30	T1786	8	71		67	76	76	82	83	85	88	89	90	90	90	83	75	77	80	83	87	87	92	92	89	86	83	82	81	79	78	76	73	68	60		101
137	5/31	50 cal Blank	45	T1787	3	73		70	74	74	79	81	83	86	86	88	87	82	72	72	77	75	77	81	85	84	84	84	79	80	80	78	76	73	71	67	57	51		97
137	5/31	50 cal Blank	45	T1787	7	65		62	72	74	78	81	83	86	86	88	86	82	72	72	76	75	77	82	86	84	85	84	79	82	80	78	77	73	71	68	63	54		97
137	5/31	50 cal Blank	30	T1788	4	67	60	70	71	75	76	78	80	81	85	97	104	94	87	80	78	79	80	76	84	89	84	83	84	79	75	73	75	70	68	64	59	54		105
137	5/31	50 cal Blank	30	T1788	9	66		71	73	73	77	79	82	82	85	97	104	94	88	80	79	80	80	76	84	89	83	84	84	77	75	73	75	70	69	62	58	55		106
137	5/31	50 cal Blank	30	T1789	3		63	70	71	75	76	79	80	82	86	97	104	94	88	80	78	80	80	75	85	91	84	85	85	78	76	75	75	71	70	64	60	54		106
137	5/31	50 cal Blank	30	T1789	8	70	60	69	76	73	79	81	82	84	87	98	106	96	89	82	81	82	82	76	86	92	84	85	86	79	77	75	76	71	70	64	60	55		107
137	5/31	50 cal Blank	45	T1790	3	66	60	68	72	73	76	78	81	83	87	96	104	93	85	82	80	73	73	72	82	85	82	83	82	76	75	74	74	68	69	64	58	53		105
137	5/31	50 cal Blank	45	T1790	7	60		65	70	71	75	77	81	83	86	96	103	93	85	82	79	73	74	73	82	87	82	83	82	76	77	76	74	70	70	65	61	54	38	104
137	5/31	50 cal Blank	30	T1795	4	65		70	74	76	78	80	81	84	87	89	91	91	89	85	84	86	85	83	79	81	79	79	80	79	79	77	76	74	72	69	63	54		99
137	5/31	50 cal Blank	30	T1795	9	66		72	73	78	79	82	84	86	89	91	93	93	91	86	86	88	86	85	82	82	81	82	82	81	81	81	79	77	75	72	66	57		101
137	5/31	50 cal Blank	45	T1796	4	69		68	74	74	77	79	82	85	87	89	91	90	91	88	82	84	78	76	73	76	76	74	74	75	74	73	71	68	66	61		44		98
137	5/31	50 cal Blank	45	T1796	9	68		72	72	73	76	80	81	84	87	89	91	90	91	88	82	86	79	76	74	75	74	74	75	75	73	73	71	69	66	61	42	44		98
137	5/31	50 cal Blank	30	T1797	4	67	72	75	73	70	73	76	77	77	81	83	89	92	111	102	90	85	85	98	85	90	81	84	81	83	84	81	81	80	75	72	68	60		112
137	5/31	50 cal Blank	30	T1797	9	76	61	77	76	76	76	79	78	79	83	85	90	95	113	104	92	88	88	100	87	92	84	86	83	85	86	83	83	82	78	76	71	63	47	114
137	5/31	50 cal Blank	45	T1798	4	75	69	74	79	76	74	78	80	81	82	85	89	93	113	103	90	86	85	100	86	92	84	87	83	81	81	79	77	76	74	70	65	57	44	114
137	5/31	50 cal Blank	45	T1798	9	78	62	74	77	72	74	76	78	79	81	85	88	91	112	103	89	87	85	99	86	92	85	87	83	82	82	81	79	77	74	70	66	56	40	113
139	5/11	50 cal Blanks	90	T509	2	49	57	63	65	68	70	72	75	76	79	80	81	81	76	76	80	77	67	67	69	69	70	71	69	69	72	70	67	67	64	61	55	45	34	89
139	5/11	50 cal Blanks	90	T509	5	40	50	60	60	66	68	70	74	76	78	80	81	81	76	75	80	77	68	66	69	68	68	68	68	68	70	68	65	65	62	59	54	44	44	89
139	5/11	50 cal Blanks	90	T509	9	46	53	65	63	70	72	73	76	79	81	83	83	83	79	78	83	81	71	70	72	72	71	71	71	71	73	71	68	67	64	62	57	46	34	92
139	5/15	50 cal Blank	60	T1722	7			67	67	71	74	76	78	81	83	86	85	85	84	87	85	77	74	72	72	70	72	73	73	73	73	72	71	69	66	62	54	45		94
139	5/15	50 cal Blank	60	T1722	10		56	67	65	71	76	77	78	81	84	87	86	85	86	88	88	81	78	77	77	74	74	74	75	74	74	72	71	69	66	62	53	45		96
139	6/12	50 cal Blank	30	T1654	4	69	64	71	72	74	77	75	75	80	79	85	91	109	111	90	84	83	98	89	90	90	90	85	84	82	78	76	74	70	68	66	65	56		113

139	6/12	50 cal Blank	30	T1654	9	75		74	71	75	78	76	78	80	80	84	91	109	112	91	84	84	99	90	91	92	93	88	86	83	80	78	76	74	71	68	66	57	45	114
139	6/12	50 cal Blank	30	T1656	4	68		69	67	0	69	64	70	71	72	74	77	76	76	76	80	80	79	76	79	80	82	85	87	87	86	86	83	85	84	85	83	76	48	96
139	6/12	50 cal Blank	30	T1656	9	66		70	66	0	66	0	61	73	71	74	78	77	77	77	80	81	81	77	80	81	85	85	87	86	87	86	85	86	86	86	85	78	52	97
139	6/12	50 cal Blank	60	T1658	3	63		56	65	0	63	61	50	65	64	67	72	74	73	71	71	69	70	72	75	76	81	82	82	80	81	81	79	79	77	78	77	69	43	91
139	6/12	50 cal Blank	60	T1658	7	59		61	60	0	59	58	0	63	67	65	70	73	73	70	69	69	70	71	73	75	79	81	82	79	79	78	78	77	77	76	74	64	39	90
139	6/12	50 cal Blank	90	T1660	3	59		64	63	0	64	59	50	64	62	66	70	72	71	67	68	64	65	66	69	70	73	74	75	76	76	76	75	71	70	69	66	56		86
139	6/12	50 cal Blank	90	T1660	7						60	62	50	64	63	62	67	69	67	63	65	61	64	65	67	68	69	71	72	72	72	72	72	70	67	66	61	52		82
139	6/12	50 cal Blank	60	T1661	3	68	66	72	69	72	73	76	76	81	83	86	91	108	111	88	83	82	94	84	89	87	91	86	83	78	75	72	69	67	64	62	60	50	38	113
139	6/12	50 cal Blank	60	T1661	8	72	71	74	72	75	75	78	79	83	85	88	93	111	113	91	85	85	97	87	91	89	93	89	86	81	78	76	72	70	68	64	62	54	39	115
139	6/12	50 cal Blank	90	T1663	3	56	68	72	69	73	72	73	75	79	82	86	91	107	109	86	81	79	91	82	82	81	84	76	76	76	72	71	68	65	63	58	57	48	35	111
139	6/12	50 cal Blank	90	T1663	8	64	63	71	72	68	69	71	74	76	80	83	89	104	107	85	79	77	87	78	80	79	80	72	73	71	69	70	66	64	61	57	54	46	35	109
139	6/12	50 cal Blank	30	T1666	4	86	85	86	87	81	88	85	87	85	85	86	89	91	104	106	95	90	85	91	89	85	85	84	79	79	75	74	71	74	74	68	61	54	41	109
139	6/12	50 cal Blank	30	T1668	4			71	66		64	69	58	73	73	70	72	73	78	77	74	80	75	78	81	82	83	84	85	86	88	86	85	86	84	82	80	72	44	96
139	6/12	50 cal Blank	60	T1670	4	64		64	58		62	62	62	63	68	67	69	70	70	71	67	69	72	74	76	77	79	81	80	81	81	80	79	78	76	74	71	63	40	90
139	6/12	50 cal Blank	60	T1670	9			61	59		62	62	0	66	65	64	69	67	69	69	67	68	70	71	74	75	77	79	79	79	79	77	77	76	75	73	70	61	40	89
139	6/12	50 cal Blank	90	T1672	4			58	63	53	63	57	0	66	63	62	67	66	66	67	63	60	65	67	69	73	74	74	74	75	75	72	71	69	67	65	59	48		84
139	6/12	50 cal Blank	90	T1672	10			64	59		65	62	50	64	65	66	68	65	67	67	63	61	66	68	70	74	76	77	76	76	76	74	72	71	68	66	61	51		86
139	6/12	50 cal Blank	60	T1673	4	63	62	71	67	74	74	76	76	80	82	85	89	94	104	102	89	87	83	84	83	80	82	82	77	73	72	76	73	71	66	60	59	48	35	107
139	6/12	50 cal Blank	60	T1673	9	64	59	68	70	73	74	75	76	80	82	87	93	100	100	90	82	80	76	78	80	80	78	77	76	69	68	70	66	62	57	52	44	44	35	104
139	6/12	50 cal Blank	90	T1675	4			63	68	66	68	69	72	76	79	81	85	90	97	97	86	80	75	74	75	73	77	75	72	68	65	70	68	63	54	50	52	45		101
139	6/12	50 cal Blank	90	T1675	9			63	65	68	70	73	75	77	80	83	87	92	98	98	87	81	76	75	76	74	79	76	72	69	65	72	68	64	57	52	53	44		102
148	4/25	50 cal Blank	45	T972	2	65	60	71	74	79	79	83	85	87	90	93	93	93	92	87	82	76	77	79	81	83	84	86	87	86	82	79	79	78	76	72	68	62	52	101
148	4/25	50 cal Blank	45	T972	8	55	57	72	68	77	79	81	83	86	89	92	93	92	90	87	82	77	77	78	80	81	81	84	85	84	81	78	77	77	74	70	66	61	50	100
148	5/1	50 cal Blank	30	T1369	2	68	63	73	79	82	81	86	87	89	91	94	95	96	94	90	83	82	83	83	84	85	84	85	84	85	85	85	83	81	79	76	71	65	56	103
148	5/1	50 cal Blank	30	T1369	6	57	61	74	73	79	81	83	84	87	90	92	93	95	92	89	82	81	81	82	82	83	83	83	83	83	83	82	81	78	75	72	67	60	50	101
148	5/1	50 cal Blank	30	T1369	12	65	62	73	79	82	82	86	88	90	93	95	97	98	95	91	85	85	84	84	85	86	86	85	85	85	85	83	81	80	77	74	69	62	52	104
148	6/12	50 cal Blank	15	T1682	4	68		76	80	74	78	82	83	86	88	90	98	114	111	95	91	92	98	93	99	94	92	88	88	88	83	80	78	74	71	70	67	57	42	116
148	6/12	50 cal Blank	15	T1682	8	72	63	73	79	65	74	77	79	83	85	86	95	111	108	92	88	90	96	90	96	91	88	86	85	85	81	78	75	72	70	69	64	54		113
148	6/12	50 cal Blank	30	T1683	4	74		72	80	76	78	81	83	86	87	91	96	114	109	94	91	91	100	91	93	88	86	83	80	84	80	77	73	70	68	66	62	52	42	116

148	6/12	50 cal Blank	30	T1683	9	68		72	72	72	72	72	77	77	79	81	87	107	102	86	82	83	93	84	86	81	79	77	74	76	72	69	65	62	60	56	56	45		109
148	6/12	50 cal Blank	30	T1683	11	74	63	71	77	76	79	78	82	85	86	89	94	113	107	93	89	90	98	90	93	88	85	82	80	84	80	79	73	70	67	64	61	48		114
148	6/12	50 cal Blank	45	T1684	3	68	68	70	77	77	76	77	80	81	83	86	92	108	107	91	88	87	92	87	91	83	83	78	77	83	76	73	71	67	65	62	58	52		111
148	6/12	50 cal Blank	45	T1684	8	71		67	74	76	77	80	80	82	84	87	94	109	107	93	88	86	92	87	90	80	80	76	76	84	77	75	72	68	64	61	54	49		112
148	6/12	50 cal Blank	15	T1685	4	74		66	71		75	75	71	77	77	78	80	78	76	82	83	78	81	84	89	90	92	94	92	90	92	90	91	89	90	89	87	80	54	102
148	6/12	50 cal Blank	15	T1685	8			65	65		71	66	57	75	75	75	77	75	73	79	80	74	79	82	86	87	89	92	91	87	89	88	88	87	88	88	87	81	55	100
148	6/12	50 cal Blank	30	T1686	4	66		70	66		73	70	57	75	72	71	76	77	77	78	77	75	80	81	83	85	85	88	89	86	86	84	84	84	84	82	81	73	49	97
148	6/12	50 cal Blank	30	T1686	9			60	65		70	60	0	74	67	65	72	69	70	71	71	67	73	73	75	78	79	87	85	79	79	77	77	75	74	74	73	65	42	92
148	6/12	50 cal Blank	30	T1686	11	68		65	67		67	67	57	71	72	73	74	73	75	75	74	73	75	78	80	85	87	90	88	85	85	84	82	81	83	81	78	71	45	97
148	6/12	50 cal Blank	45	T1687	3	66			67		68	69	57	72	72	65	73	70	74	76	72	70	75	76	79	81	83	83	84	83	81	82	81	78	78	77	73	64		93
148	6/12	50 cal Blank	45	T1687	9	66		63	72		72	69	57	73	71	67	75	73	73	76	72	67	74	76	78	80	83	87	89	86	83	84	81	81	82	82	82	74	42	95
159	5/30	50 cal Blank	30	T893	3	70	69	72	80	78	85	86	88	90	93	95	95	97	94	93	93	86	85	86	87	86	86	86	87	87	86	85	85	83	82	80	75	67	58	104
159	5/30	50 cal Blank	30	T894	2	67	68	72	77	78	80	83	86	87	90	93	94	94	92	91	90	84	81	82	83	83	82	83	83	83	83	83	81	79	77	74	70	64	55	102
159	5/30	50 cal Blank	30	T894	5	70	63	68	77	76	82	84	86	87	91	93	94	95	93	91	90	84	81	82	83	84	83	82	84	83	83	83	82	80	79	76	71	64	56	102
159	5/30	50 cal Blank	45	T895	2	58	56	60	72	70	77	80	82	85	85	89	91	90	89	85	81	78	75	75	78	77	78	79	79	78	78	77	75	73	70	66	61	50	33	98
159	5/30	50 cal Blank	45	T895	6	86	85	82	80	81	87	84	83	85	86	90	91	90	89	85	82	80	77	76	78	78	78	79	79	79	78	77	76	74	71	67	61	50	33	99
159	5/30	50 cal Blank	30	T896	4	75	72	73	78	75	80	79	81	81	86	90	97	119	108	94	91	90	106	92	98	90	94	91	90	88	84	81	79	76	73	71	68	62	57	119
159	5/30	50 cal Blank	30	T897	2	72	72	70	75	74	74	77	80	81	83	88	95	116	106	92	89	87	103	89	95	87	91	89	86	83	80	77	76	72	70	67	64	58	53	117
159	5/30	50 cal Blank	30	T897	5	66	68	64	75	72	76	77	78	80	84	89	95	115	106	93	89	88	103	89	95	87	91	89	88	85	81	79	77	73	69	68	65	60	54	116
159	5/30	50 cal Blank	45	T898	2	68	68	69	75	72	74	76	77	80	80	86	93	111	104	91	86	86	97	85	89	82	86	85	84	82	78	74	71	68	66	63	59	53	48	112
159	5/30	50 cal Blank	45	T898	6	78	74	71	76	68	72	76	78	79	80	85	93	112	104	92	87	86	98	86	90	82	86	83	84	81	78	74	72	69	66	63	59	53	47	113
163	6/7	50 cal Blank	15	T1852	4	76	70	75	74	77	80	79	81	85	88	92	106	114	94	87	88	96	96	92	100	96	90	89	89	89	86	85	84	83	81	81	75	68	40	115
163	6/7	50 cal Blank	15	T1852	7	81	74	73	80	75	80	82	84	85	87	92	107	116	95	88	91	99	99	92	101	98	91	91	91	89	86	86	84	84	81	80	76	69	40	117
163	6/7	50 cal Blank	15	T1854	4	80	69	79	84	83	84	86	86	88	89	91	92	86	87	90	91	89	87	89	90	92	91	92	93	92	90	91	89	88	87	86	83	74	51	104
163	6/7	50 cal Blank	15	T1854	7	83	71	76	87	81	87	87	87	88	89	92	93	86	87	90	91	91	89	91	91	93	93	93	94	94	94	93	92	91	91	89	87	78	53	106
163	6/7	50 cal Blank	30	T1855	4	69		73	76	80	81	84	85	89	91	94	94	94	92	89	92	87	84	84	85	84	84	84	84	85	84	82	81	80	77	75	71	61	40	102
163	6/7	50 cal Blank	30	T1855	8	75	69	74	81	80	84	86	87	90	93	95	95	95	93	91	93	88	86	87	87	86	85	86	85	87	85	84	82	81	79	77	73	61	40	104
163	6/7	50 cal Blank	30	T1856	4	74		72	74	74	78	80	82	84	85	92	106	115	96	90	90	98	98	93	97	92	89	88	88	85	84	82	82	82	79	75	73	63		116
163	6/7	50 cal Blank	30	T1856	8	75	71	73	73	77	78	80	82	85	86	90	106	117	96	90	92	100	100	92	98	94	91	89	89	87	85	82	82	82	79	76	74	64	40	117
163	6/7	50 cal Blank	60	T1857	3	66		62	70	70	74	76	77	80	83	88	100	107	90	82	78	78	81	88	98	88	77	79	83	81	75	76	72	71	68	62	61	49	38	109
163	6/7	50 cal Blank	60	T1857	7	64		68	69	69	75	75	77	78	82	87	99	107	89	82	78	76	81	86	97	87	77	80	83	80	75	75	70	70	67	61	60	49		109

163	6/7	50 cal Blank	60	T1858	3	61		65	71	71	75	77	78	81	82	84	84	81	76	71	71	72	75	76	78	77	77	80	79	77	76	75	73	70	67	63	53	45		92
163	6/7	50 cal Blank	60	T1858	7	58		66	70	68	75	77	78	80	82	84	83	81	75	72	70	70	74	75	78	76	77	79	80	77	76	73	71	69	66	61	53	44		92
163	6/7	50 cal Blank	30	T1863	3	74	69	75	79	76	77	78	81	82	86	87	93	108	108	92	87	86	96	88	88	85	85	80	81	82	79	80	76	71	68	64	58	52		111
163	6/7	50 cal Blank	30	T1863	7	75	61	74	80	76	79	81	81	84	87	88	93	109	108	93	87	86	97	88	88	85	86	81	82	83	80	80	77	73	70	67	62	51	40	112
163	6/7	50 cal Blank	15	T1864	2	76	66	69	80	73	81	81	80	84	86	90	93	111	112	93	89	86	103	93	92	93	91	86	84	84	82	81	78	75	73	71	68	59	43	115
163	6/7	50 cal Blank	15	T1864	6	82	73	70	79	77	80	79	79	82	85	90	92	111	112	92	88	86	103	93	93	93	91	87	84	84	82	82	79	75	72	70	68	58	40	115
163	6/7	50 cal Blank	30	T1866	3			70	76	78	80	83	87	88	91	92	93	93	89	85	82	81	83	84	83	83	83	82	83	81	81	80	79	77	75	72	68	56	39	101
163.	6/7	50 cal Blank	30	T1866	7	66		71	80	76	82	85	87	88	92	93	93	93	89	85	83	80	81	83	82	83	84	83	83	83	82	80	79	78	76	73	69	59	39	101
163	6/7	50 cal Blank	15	T1867	2	70	63	75	81	80	84	85	87	90	92	94	94	91	93	94	88	87	86	85	87	90	90	91	91	91	90	89	88	87	86	86	84	76	50	104
163	6/7	50 cal Blank	15	T1867	6	78	72	76	83	80	84	86	87	89	92	94	94	91	92	94	89	87	86	85	87	89	90	92	90	89	90	90	88	87	86	86	84	77	49	104
163	6/7	50 cal Blank	60	T1869	3	66		64	72	72	74	78	80	81	83	85	84	83	79	73	72	71	71	77	77	78	78	78	78	77	75	74	73	70	67	63	53	44		93
163	6/7	50 cal Blank	60	T1869	7	65	64	66	72	68	76	77	79	81	83	85	84	83	79	72	72	71	71	76	77	78	78	78	77	77	75	73	72	70	67	63	52	43		93
163	6/7	50 cal Blank	60	T1870	3	70	55	70	74	75	75	77	79	81	83	86	92	107	108	90	85	81	86	80	77	77	79	73	79	81	78	78	71	66	62	58	53	47	39	111
163	6/7	50 cal Blank	60	T1870	7	66		66	73	72	77	77	78	81	83	86	91	107	107	91	84	80	84	78	77	76	79	72	78	80	80	78	72	67	63	59	54	47	34	110
163	6/7	50 cal Blank	30	T1875	3	75		71	73	74	77	79	81	84	86	90	99	111	95	86	85	86	95	86	99	92	87	89	86	86	83	81	77	76	73	74	70	61		112
163	6/7	50 cal Blank	30	T1875	7	74	58	74	78	75	76	80	82	85	86	90	99	112	95	86	85	86	96	87	100	93	90	90	88	87	84	82	78	75	74	73	69	62	40	113
163	6/7	50 cal Blank	15	T1876	4	79	70	69	80	77	81	84	86	86	87	89	101	114	97	88	88	90	95	91	103	99	95	94	92	89	86	85	83	80	78	76	74	66	40	115
163	6/7	50 cal Blank	15	T1876	8	72	71	77	79	75	79	83	84	85	88	89	100	113	96	86	88	88	96	90	101	98	93	92	90	87	85	83	82	80	76	75	72	65	40	114
163	6/7	50 cal Blank	30	T1878	3	74		73	76	74	78	81	82	86	87	89	90	90	90	87	81	81	82	83	84	88	90	88	86	87	87	82	81	81	78	77	75	67	39	100
163	6/7	50 cal Blank	30	T1878	6	63		67	72	73	77	80	83	86	88	90	91	92	92	88	80	79	82	84	84	87	89	87	86	87	87	83	82	81	80	77	74	66	44	101
163	6/7	50 cal Blank	15	T1879	4	80	71	76	83	82	84	84	86	88	92	91	95	93	97	93	86	89	91	92	95	95	96	96	94	93	91	90	89	88	87	86	84	76	51	106
163	6/7	50 cal Blank	15	T1879	7	67	72	77	82	77	84	83	85	86	91	91	94	92	95	92	85	88	90	90	93	94	95	94	93	91	89	88	87	86	85	84	82	74	50	105
163	6/7	50 cal Blank	60	T1881	3	55		58	68	70	73	75	78	81	82	83	84	82	79	73	65	68	71	73	74	76	78	78	78	77	75	74	73	69	66	61	50	39		92
163	6/7	50 cal Blank	60	T1881	7			63	71	72	74	78	79	82	84	85	86	84	81	74	67	71	74	76	77	78	79	79	79	77	78	76	73	70	68	63	54	45		94
163	6/7	50 cal Blank	60	T1882	3			67	72	71	72	73	77	80	83	87	95	106	92	82	73	75	80	82	93	89	83	86	79	75	75	73	69	68	67	63	59	51	38	107
163	6/7	50 cal Blank	60	T1882	7	66		65	69	70	74	77	80	81	85	89	97	107	94	83	73	79	82	87	98	92	85	85	84	80	79	76	71	71	68	64	62	54	35	109
172	5/12	50 cal Blank	30	T1049	3	53	48	57	51	57	59	60	64	66	70	72	74	75	80	83	84	78	78	77	78	78	81	84	86	86	85	84	82	82	81	79	75	67	50	95
172	5/12	50 cal Blank	30	T1049	6	47		56	56	56	56	60	63	67	71	74	76	78	82	86	86	81	80	78	80	80	82	85	85	84	82	82	82	82	81	78	75	67	52	95
172	5/12	50 cal Blank	30	T1049	8	66	66	81	89	75	67	66	78	77	77	72	69	67	67	67	64	62	58	55	54	52	51	49	50	50	50	51	51	53	54	53	55	52	28	91

172	5/16	50 cal Blank	60	T566	5	46		53	47	44	48	51	55	60	65	68	70	70	70	71	72	69	68	71	74	74	75	77	77	77	75	74	72	70	67	63	58	47	42	86
172	5/16	50 cal Blank	60	T566	8	47		38	45	44	51	53	57	61	66	69	71	72	72	73	74	71	70	73	76	76	77	78	78	77	77	75	73	71	68	64	59	48	31	88
172	5/16	50 cal Blank	60	T566	11	44		44	42	43	49	54	57	62	67	70	73	74	72	74	74	71	70	73	77	77	78	79	79	79	78	76	74	72	69	65	60	49	32	89
172	6/14	50 cal Blank	90	T1480	4	37		47			44	45	49	54	60	63	65	67	68	68	63	57	62	66	70	72	74	76	74	74	72	71	69	68	66	63	60	51	29	84
172	6/14	50 cal Blank	90	T1480	9	42		34	46		48	49	51	57	63	66	68	70	71	70	65	60	65	70	74	75	78	79	77	77	76	74	72	71	69	67	63	54	29	87
172	6/14	50 cal Blank	60	T1481	3	49	45	52	51	47	53	54	59	63	67	71	73	75	77	78	74	68	71	73	76	78	80	82	81	82	81	78	76	75	75	73	70	63	50	91
172	6/14	50 cal Blank	60	T1481	10	51	47	53	49	53	56	59	61	65	69	72	74	76	77	80	75	69	72	74	77	79	81	82	83	84	83	79	78	77	75	74	71	64	54	92
172	6/14	50 cal Blank	90	T1482	4	61	65	64	64	67	66	67	69	72	75	78	83	100	103	82	76	76	89	79	82	79	77	78	79	77	73	70	65	63	61	58	55	52	49	105
172	6/14	50 cal Blank	90	T1482	8	48	47	54	58	62	66	68	70	74	77	81	86	103	105	83	78	79	91	82	85	81	80	80	80	78	75	73	68	66	64	61	57	55	52	108
172	6/14	50 cal Blank	60	T1483	3	68	64	67	66	68	69	71	73	71	74	80	86	103	105	85	80	81	94	84	88	84	84	82	81	78	75	72	69	67	66	64	61	58	55	108
172	6/14	50 cal Blank	60	T1483	10	69	54	63	62	69	68	72	74	75	76	81	88	104	106	87	82	82	94	84	89	85	85	83	83	80	76	75	71	71	68	66	64	61	57	108
172	6/14	50 cal Blank	30	T1484	5	71	71	74	72	73	74	74	75	78	76	85	91	108	110	88	85	85	98	89	90	89	87	85	84	82	77	76	74	74	72	70	69	61	53	112
172	6/14	50 cal Blank	30	T1484	9	58	58	64	65	64	66	67	67	71	68	79	85	101	103	83	80	79	90	82	84	82	81	80	78	75	70	70	68	67	65	62	61	53	46	106
172	6/14	50 cal Blank	30	T1484	12	64	60	67	67	67	68	70	71	75	72	82	88	106	108	86	83	83	96	86	88	87	85	84	83	80	75	73	70	71	68	67	65	59	51	110
172	6/14	50 cal Blank	30	T1485	5	60	59	58	59	62	62	66	68	71	73	75	76	77	80	81	80	76	76	76	80	83	83	86	88	89	89	88	87	84	84	82	81	74	66	98
172	6/14	50 cal Blank	30	T1485	9			48	53	57	56	58	60	63	66	67	69	70	73	75	73	69	69	71	75	78	77	80	81	82	83	82	81	79	78	78	76	69	62	91
172	6/14	50 cal Blank	30	T1485	12	56		52	57	61	62	64	65	69	71	73	74	74	77	80	79	74	73	75	78	82	83	84	87	87	90	88	86	84	84	83	82	75	66	97
172	6/14	50 cal Blank	30	T1486	3	64	63	64	66	67	67	70	71	73	75	75	73	70	66	68	73	76	80	83	86	88	87	88	89	91	91	93	91	88	89	87	86	80	70	101
172	6/14	50 cal Blank	30	T1486	7	57	53	60	59	63	65	66	69	71	73	73	72	70	68	66	72	75	79	83	85	87	87	88	88	90	89	91	90	89	90	87	85	78	68	100
172	6/14	50 cal Blank	30	T1487	4	65	62	65	69	74	74	77	80	85	89	94	100	100	88	86	88	87	78	89	89	82	85	84	84	83	76	76	73	72	71	69	66	57	49	105
172	6/14	50 cal Blank	30	T1487	8	63	61	69	68	74	74	77	80	85	89	94	100	100	88	85	87	86	78	89	89	82	84	86	85	83	78	79	74	74	73	71	68	60	52	105
172	6/14	50 cal Blank	60	T1488	3	58	55	67	66	72	73	75	78	80	82	84	87	88	85	77	75	72	70	81	84	80	79	80	78	77	69	68	63	61	61	57	52	46	43	95
172	6/14	50 cal Blank	60	T1488	7	50	57	70	67	74	75	78	81	84	85	89	91	91	89	81	79	76	73	84	88	84	83	83	83	80	73	73	68	65	66	61	56	51	48	98
172	6/14	50 cal Blank	90	T1489	2	60	55	64	63	68	70	71	74	77	79	80	85	83	76	69	67	64	62	73	76	73	76	75	75	72	67	64	60	56	55	51	47	42	38	90
172	6/14	50 cal Blank	90	T1489	6	57	52	62	62	66	69	71	74	77	79	80	84	82	75	68	67	65	62	73	75	73	76	75	76	74	66	65	61	57	56	50	46	41	38	90
172	6/14	50 cal Blank	90	T1489	9	53	50	61	60	66	68	70	73	76	78	80	84	82	75	68	65	64	61	73	76	73	75	75	73	71	66	64	59	55	54	48	45	40	37	89
172	6/14	50 cal Blank	90	T1489	16	51	49	55	56	65	68	70	73	76	78	81	84	83	76	68	67	65	62	73	76	73	75	75	73	74	69	66	60	59	56	52	49	43	40	90
172	6/14	50 cal Blank	90	T1489	19	57	55	62	68	68	72	74	76	80	81	84	88	86	79	72	71	68	65	76	79	77	80	79	76	76	70	69	63	59	59	53	51	47	45	93
172	6/14	50 cal Blank	60	T1490	3	47	37	48	48	48	51	53	58	61	63	63	61	55	52	55	60	66	71	74	77	79	79	79	79	81	78	78	76	75	73	71	68	61	51	89
172	6/14	50 cal Blank	60	T1490	7			50	49	48	52	54	60	64	67	68	67	60	58	58	62	69	74	76	80	82	84	84	83	83	82	81	80	79	77	74	71	63	52	93
172	6/14	50 cal Blank	90	T1491	2	40		44	45	34	48	47	51	55	58	58	57	50	40	44	50	58	64	66	68	70	72	72	72	71	71	71	68	67	65	61	57	47	35	81

172	6/14	50 cal Blank	90	T1491	6			45	44	0	46	45	50	55	58	58	57	51	43	47	53	59	63	66	69	71	71	72	73	71	70	69	67	66	64	60	56	46	28	81
172	6/14	50 cal Blank	90	T1491	9	47		43	43	46	44	46	47	54	57	58	57	51	42	46	51	58	63	66	68	69	70	71	72	71	71	70	69	67	64	61	57	47	25	81
172	6/14	50 cal Blank	90	T1491	16	46		45	37	0	44	47	50	55	57	58	57	52	45	46	50	58	65	65	68	69	71	71	72	70	70	69	67	65	64	61	56	46	27	80
172	6/14	50 cal Blank	90	T1491	19	43		43	40	0	49	48	53	57	61	61	59	54	46	49	55	62	68	70	72	73	75	75	75	74	73	73	70	69	66	63	59	49	26	84
177	6/15	50 cal Blank	30	T932	2	59	61	65	74	73	76	79	80	83	83	87	90	90	90	90	83	79	79	78	79	81	82	84	83	85	82	80	80	80	80	79	77	70	61	99
177	6/15	50 cal Blank	30	T932	14	61	59	67	75	75	78	80	82	85	86	89	92	93	93	92	85	81	82	81	81	84	84	86	86	86	85	84	83	82	81	79	76	69	60	101
177	6/15	50 cal Blank	45	T933	2	63	58	62	72	71	74	77	79	81	82	85	87	88	86	84	79	75	76	79	81	79	80	83	83	83	80	78	78	76	73	72	69	62	52	96
177	6/15	50 cal Blank	45	T933	8	59	50	63	71	72	74	77	79	81	83	85	87	89	87	84	79	76	78	79	80	79	80	83	81	80	78	77	75	75	73	71	67	60	50	96
177	6/15	50 cal Blank	30	T935	3	68	67	67	75	74	76	77	75	77	79	83	90	107	100	90	86	85	92	86	92	91	89	82	84	82	82	76	75	73	69	66	64	59	52	108
177	6/15	50 cal Blank	30	T935	15	73	63	66	76	74	78	79	78	79	81	85	92	109	103	93	88	87	94	89	94	94	91	85	86	84	84	80	78	76	73	70	67	62	55	110
177	6/15	50 cal Blank	45	T936	2	70	67	66	73	72	75	75	75	76	80	85	92	107	101	88	83	83	89	87	92	93	91	83	84	82	81	74	72	71	67	65	60	54	50	109
177	6/15	50 cal Blank	45	T936	8	69	64	65	72	72	73	75	75	75	80	85	92	107	101	88	82	82	88	87	93	94	90	83	85	82	80	73	72	71	67	64	60	54	50	108
177	6/15	50 cal Blank	60	T938	3	67	64	65	66	67	69	70	70	72	74	79	87	102	96	85	81	80	88	83	87	87	85	78	80	79	78	73	70	67	65	63	60	56	54	104
177	6/15	50 cal Blank	60	T938	8	69	58	57	63	64	67	69	69	69	73	81	86	103	97	86	81	81	88	82	87	87	84	78	80	79	77	73	71	69	67	63	60	57	54	104
177	6/15	50 cal Blank	60	T939	3	61	56	62	71	70	73	76	78	81	81	83	85	85	84	82	76	73	72	74	74	74	74	74	76	73	72	71	69	68	66	63	59	52	46	93
177	6/15	50 cal Blank	60	T939	7	43	47	59	67	68	72	75	77	80	81	83	85	85	84	82	76	72	74	75	75	73	75	74	74	73	71	70	68	68	66	63	59	51	42	93
177	6/15	50 cal Blank	60	T940	2	66	60	65	72	72	73	77	79	80	83	85	87	88	87	80	80	77	75	73	76	78	76	77	78	76	75	76	75	76	76	75	71	66	59	95
177	6/15	50 cal Blank	60	T940	6	57	54	62	72	69	75	77	78	81	83	86	88	88	87	81	81	78	75	74	76	77	76	77	77	77	75	76	75	76	74	71	68	63	58	95
177	6/15	50 cal Blank	60	T941	2	69	62	62	67	68	67	68	70	72	75	77	82	87	105	96	85	81	80	92	79	86	78	81	79	75	71	67	64	63	60	57	55	53	51	106
177	6/15	50 cal Blank	60	T941	6	65	54	47	60	63	68	69	69	73	75	79	82	87	104	96	85	81	81	92	79	86	78	81	78	75	71	67	64	62	60	57	55	53	51	105
177	6/15	50 cal Blank	45	T943	2	73	69	71	73	74	74	73	73	76	80	83	85	93	109	100	91	87	86	96	83	89	81	83	80	78	74	71	70	66	62	58	55	52	49	110
177	6/15	50 cal Blank	45	T943	7	75	71	71	72	74	73	76	75	78	81	84	87	94	110	102	92	88	87	97	85	91	83	85	82	80	77	74	72	69	65	61	58	54	51	111
177	6/15	50 cal Blank	30	T944	2	73	72	69	75	71	75	77	74	78	81	84	88	93	108	101	91	87	87	95	85	90	84	84	84	81	80	77	74	71	68	64	59	56	51	109
177	6/15	50 cal Blank	30	T944	7	78	68	70	71	70	75	76	75	79	83	84	90	96	110	103	93	90	89	97	87	92	85	87	85	82	81	78	75	73	69	65	61	57	52	111
177	6/15	50 cal Blank	45	T946	2	67	63	66	74	75	76	80	82	84	87	90	91	92	92	87	84	81	79	80	81	82	80	80	82	81	81	83	81	80	80	79	77	69	59	99
177	6/15	50 cal Blank	45	T946	6	63	57	65	73	74	78	81	83	86	88	91	93	94	93	88	86	84	82	82	82	83	82	81	82	83	81	85	85	82	82	80	78	71	61	101
177	6/15	50 cal Blank	30	T947	2	71	65	66	77	74	79	81	83	86	87	90	92	92	91	87	82	81	80	81	85	86	86	85	85	85	84	84	82	81	80	78	76	69	61	100
177	6/15	50 cal Blank	30	T947	7	75	63	68	79	75	81	84	85	88	89	92	94	95	93	89	85	85	83	84	86	89	87	87	87	88	86	85	84	83	83	83	80	74	65	103
183	6/1	50 cal Blank	30	T1430	3	65	65	66	71	72	75	77	80	79	80	84	88	104	103	89	86	85	93	87	90	82	81	79	79	80	75	75	72	68	66	59	56	49	41	107

183	6/1	50 cal Blank	30	T1430	7	63	61	64	73	71	75	78	81	80	81	85	89	104	104	89	85	85	93	86	90	83	81	78	79	81	77	77	73	67	65	58	56	48	38	107
183	6/1	50 cal Blank	30	T1432	3			46	53	40	44	54	55	61	66	70	73	75	74	71	72	71	73	77	78	79	80	80	80	78	78	78	77	77	76	75	72	65	39	90
183	6/1	50 cal Blank	30	T1432	7	51		53	53		52	53	58	62	66	71	74	75	75	72	73	72	74	77	78	78	81	82	81	80	79	78	77	77	76	75	73	65	39	91
183	6/1	50 cal Blank	60	T1434	3			43	38		47	50	53	59	62	66	69	69	65	63	63	64	68	72	75	74	76	77	78	77	76	75	74	73	71	69	66	57	32	87
183	6/1	50 cal Blank	60	T1434	7	45		45	41		48	51	53	58	63	66	68	69	65	62	62	64	68	72	75	75	77	80	81	79	78	79	76	74	73	71	68	60	51	88
183	6/1	50 cal Blank	60	T1436	3	68	66	64	64	68	71	73	76	75	77	81	85	100	97	83	80	83	86	83	90	81	77	75	78	78	73	74	70	65	64	59	55	53	52	103
183	6/1	50 cal Blank	60	T1436	6	60	55	47	55	62	68	72	74	76	78	81	85	101	97	84	80	83	87	84	91	80	76	75	77	78	74	76	72	66	64	61	56	55	53	103
183	6/1	50 cal Blank	90	T1438	3	68	60	60	60	64	71	74	73	73	79	84	84	98	97	82	80	80	83	80	85	74	70	66	74	75	70	74	67	61	58	53	50	48	46	101
183	6/1	50 cal Blank	90	T1438	8	67	57	54	58	60	70	73	73	73	80	83	85	97	96	82	80	80	81	79	83	73	70	66	75	76	73	75	69	66	62	57	54	53	51	100
183	6/1	50 cal Blank	90	T1439	4			37	43	32	43	51	52	58	63	67	66	64	57	57	59	61	66	72	73	75	76	77	77	76	74	73	72	70	68	65	61	50	28	85
183	6/1	50 cal Blank	90	T1439	8			38	35	37	46	50	52	58	64	67	67	64	58	58	61	61	65	72	73	74	76	77	77	75	75	73	72	70	68	65	60	50	28	85
183	6/1	50 cal Blank	90	T1440	3	38	36	36	30		45	45	50	54	57	61	60	59	55	52	54	59	65	68	68	70	74	73	73	72	71	69	67	65	63	59	55	49	39	81
183	6/1	50 cal Blank	90	T1441	3	55	53	62	66	69	71	73	76	78	81	84	84	79	72	67	65	61	66	63	57	67	66	71	68	60	63	55	58	57	50	47	42	32	23	90
183	6/1	50 cal Blank	60	T1443	2	53	51	61	69	69	74	77	78	82	84	88	88	82	75	69	67	65	66	61	59	69	71	78	75	67	69	62	65	63	57	53	47	42	33	94
183	6/1	50 cal Blank	60	T1443	7	58	56	62	72	69	76	78	79	82	85	89	89	83	76	71	69	68	70	65	62	71	70	78	77	69	71	64	68	66	60	58	54	49	40	95
183	6/1	50 cal Blank	60	T1445	3	43		38	46		47	49	53	57	61	63	63	62	58	56	55	61	67	71	72	75	75	76	76	75	74	72	70	69	67	64	61	55	47	84
183	6/1	50 cal Blank	60	T1445	7			40	36	36	47	50	54	58	61	65	65	63	59	57	57	63	69	73	74	75	77	77	77	77	76	73	72	70	68	65	61	56	48	86
183	6/1	50 cal Blank	30	T1447	3			54	56		55	57	61	65	69	73	76	76	76	74	75	74	76	81	83	83	85	88	86	84	84	82	81	79	78	76	73	69	63	95
183	6/1	50 cal Blank	30	T1447	7	51		51	54	51	51	54	60	64	68	73	74	75	74	73	74	73	74	79	81	81	82	84	86	83	82	81	79	78	77	75	72	68	61	93
183	6/1	50 cal Blank	30	T1449	3	64	64	68	77	79	79	83	85	88	91	97	99	95	90	85	80	77	78	75	74	82	82	89	85	79	79	74	77	73	71	71	69	65	58	103
183	6/1	50 cal Blank	30	T1449	7	65	61	70	76	78	80	83	85	88	91	97	98	95	89	85	79	77	77	74	72	80	79	84	83	78	82	72	75	72	69	67	64	60	53	103
183	6/1	50 cal Blank	90	T1452	4	39		39		33	41	48	52	56	59	62	62	61	57	54	57	61	68	71	71	72	74	75	74	74	73	71	69	67	65	62	57	50	42	83
183	6/1	50 cal Blank	90	T1452	8	36		42			43	50	52	56	60	63	62	61	58	55	58	62	67	71	71	73	75	75	75	74	73	72	69	68	66	62	58	52	43	84
183	6/1	50 cal Blank	90	T1453	9	57	53	60	69	69	73	76	78	80	82	86	86	82	75	71	68	65	68	65	60	71	69	73	70	62	65	58	59	59	53	50	46	38	31	92
183	6/1	50 cal Blank	90	T1453	12	56	51	57	70	67	75	76	78	80	83	87	87	83	77	70	69	65	68	67	61	71	70	74	70	63	65	60	63	60	54	49	45	39	36	92
194	4/26	50 cal Blank	30	T1004	3	63	64	70	73	76	80	82	86	88	90	94	96	96	94	87	83	79	82	82	82	83	84	84	84	83	81	79	78	79	76	73	70	63	54	102
194	4/26	50 cal Blank	30	T1004	10	62	64	73	72	78	81	83	87	89	92	95	97	97	95	88	85	81	83	83	84	85	86	86	86	84	83	80	80	79	77	75	72	64	55	104
194	4/26	50 cal Blank	30	T1004	16	61	58	71	70	77	78	81	85	88	90	94	96	96	94	87	84	79	82	83	83	84	84	85	84	82	81	79	79	78	75	73	70	63	51	103
194	5/2	50 cal Blank	15	T1153	3	63	63	66	70	73	75	76	78	81	83	85	86	85	84	85	83	79	78	79	80	80	78	81	81	79	80	78	77	75	77	73	71	66	60	95
194	5/2	50 cal Blank	15	T1162	3	58	56	73	71	79	78	80	83	85	87	88	91	90	91	89	93	88	82	82	81	83	81	81	81	80	80	79	77	77	75	71	68	61	52	100
194	5/2	50 cal Blank	15	T1162	7	63	66	77	75	80	81	84	86	88	91	93	95	93	95	93	97	91	86	84	84	87	85	85	84	83	83	82	80	80	77	75	71	64	55	104

194	6/1	50 cal Blank	15	T1823	4	76	71	78	80	80	80	81	85	86	90	102	115	98	91	91	95	102	87	95	89	86	83	81	81	80	77	75	74	75	71	70	65	57		116
194	6/1	50 cal Blank	15	T1823	9	75	76	77	77	78	81	79	83	87	90	102	115	98	92	91	95	102	89	95	89	86	83	82	82	80	77	76	73	76	73	69	67	57		116
194	6/1	50 cal Blank	30	T1824	4	79		69	78	75	80	81	83	86	91	101	113	96	90	89	91	95	84	89	82	81	78	78	83	78	74	72	71	70	64	63	59	50		114
194	6/1	50 cal Blank	30	T1824	10	77	61	74	78	75	79	80	83	86	90	101	113	96	90	89	91	96	84	89	81	81	79	79	83	79	75	72	70	71	66	63	59	52	43	114
194	6/1	50 cal Blank	15	T1825	3	69	66	75	81	82	82	85	88	91	93	95	96	96	90	92	93	87	83	83	85	84	86	86	85	87	88	87	85	84	81	79	75	68	39	104
194	6/1	50 cal Blank	15	T1825	8	65	70	77	77	82	83	85	88	91	93	95	96	95	90	92	93	87	83	83	85	84	86	86	86	88	88	88	89	84	83	81	77	69	44	104
194	6/1	50 cal Blank	30	T1826	4	65		69	78	73	80	82	84	86	89	92	93	93	88	83	83	79	78	78	81	81	84	84	86	85	84	83	80	79	77	74	70	60	42	100
194	6/1	50 cal Blank	30	T1826	10			66	78	75	80	83	84	87	90	93	94	93	88	83	83	79	79	80	82	80	82	84	84	84	83	82	79	78	77	74	70	62	39	101
194	6/1	50 cal Blank	15	T1827	4	77	70	76	82	80	83	85	86	89	92	92	96	93	90	90	90	84	84	85	86	87	86	86	84	86	87	88	88	89	89	87	84	77	52	103
194	6/1	50 cal Blank	15	T1827	9	68	71	74	83	80	85	85	86	89	92	93	96	93	90	90	89	84	83	86	86	87	87	86	86	86	86	87	88	88	88	86	83	74	50	103
194	6/1	50 cal Blank	30	T1828	4	60		67	75	76	79	81	83	86	88	91	92	88	85	84	86	79	81	80	81	81	82	81	82	81	81	79	80	78	74	71	67	58		99
194	6/1	50 cal Blank	30	T1828	9			73	75	77	79	82	83	87	89	91	92	89	86	85	86	78	82	80	80	83	83	81	81	81	80	79	78	76	73	70	64	53		99
194	6/1	50 cal Blank	15	T1829	4	80	64	70	75	73	76	77	83	83	84	88	89	96	113	99	89	89	91	100	89	95	89	87	86	84	82	80	77	73	73	73	68	61	46	114
194	6/1	50 cal Blank	15	T1829	9	69	62	64	76	72	77	79	82	82	83	87	88	95	113	98	88	88	91	100	89	95	90	88	87	85	82	80	77	74	73	72	68	60	40	114
194	6/1	50 cal Blank	30	T1830	4	67		68	71	77	76	77	79	79	80	86	89	95	113	99	90	87	90	97	89	92	90	86	86	85	81	81	77	73	70	68	64	55		113
194	6/1	50 cal Blank	30	T1830	9	71	58	70	71	75	77	73	80	81	83	86	88	95	113	99	89	87	90	97	88	92	89	86	86	85	81	79	75	73	71	68	64	55	40	113
197	6/13	50 cal Blank	30	T1984	4	60		67	65	74	77	78	81	82	85	86	89	91	88	80	82	79	79	82	82	86	85	87	89	87	86	85	83	82	82	79	76	72	66	99
197	6/13	50 cal Blank	30	T1984	9			70	72	73	75	77	78	81	82	83	86	88	85	76	79	76	78	82	82	83	86	87	88	86	85	83	81	79	79	78	75	71	64	98
197	6/13	50 cal Blank	45	T1985	5	68		70	71	73	74	76	79	82	84	86	85	86	82	77	76	71	76	78	77	80	80	81	83	80	80	79	79	75	74	70	67	63	55	95
197	6/13	50 cal Blank	45	T1985	9	60		71	68	70	73	74	76	80	81	84	82	83	81	75	72	69	73	75	74	77	77	77	78	77	77	75	76	72	71	67	62	57	48	92
197	6/13	50 cal Blank	30	T1986	5			75	72	77	79	79	80	81	86	90	98	107	97	86	83	83	91	83	83	87	86	83	84	81	76	71	73	69	69	66	61	60	55	108
197	6/13	50 cal Blank	30	T1986	9	64		67	70	74	77	77	78	79	84	87	96	105	95	84	80	82	89	82	82	85	85	81	83	78	73	70	72	65	65	63	58	57	53	106
197	6/13	50 cal Blank	45	T1987	5			67	70	73	76	77	80	82	85	90	94	105	95	84	80	80	80	79	81	82	84	81	80	74	70	66	67	60	62	59	53	52	43	106
197	6/13	50 cal Blank	45	T1987	9	64		69	70	71	73	73	75	79	81	87	91	103	92	82	78	79	78	75	77	79	80	76	76	73	66	62	64	58	60	58	52	52	40	104
197	6/13	50 cal Blank	30	T1988	9	69		72	70	79	80	83	84	88	89	92	92	90	87	90	87	81	82	83	84	84	85	85	86	86	85	84	83	83	83	81	79	75	69	101
197	6/13	50 cal Blank	30	T1989	2			62	63	70	72	74	76	78	80	82	83	79	77	77	75	70	73	75	72	77	80	76	73	74	73	73	70	69	68	64	61	58	48	91
197	6/13	50 cal Blank	30	T1990	9	86	77	81	77	80	78	80	82	84	85	88	92	99	110	97	88	90	88	94	97	87	88	84	83	85	83	77	77	74	72	71	70	67	61	111
197	6/13	50 cal Blank	45	T1991	2			70	67	67	69	71	73	75	76	78	82	89	102	89	79	80	77	87	87	77	77	72	72	77	75	70	69	66	64	62	60	57	51	103
198	5/30	50 cal Blank	45	T901	2	69	68	71	72	70	72	72	76	79	80	83	90	110	99	87	83	83	94	82	85	76	76	74	76	73	69	69	69	66	64	60	55	49	46	110

198	5/30	50 cal Blank	45	T901	7	73	70	68	72	67	71	74	77	80	81	85	91	111	100	88	84	84	96	83	86	77	78	74	75	72	70	70	68	67	65	60	56	51	47	112
198	5/30	50 cal Blank	45	T903	2	62	60	66	71	72	76	78	80	81	84	87	88	88	87	85	81	79	79	76	76	78	77	77	76	76	76	74	73	71	69	65	60	50	37	96
198	5/30	50 cal Blank	45	T903	7	60	56	62	72	70	76	80	81	82	86	88	90	90	89	87	83	81	81	77	75	75	75	75	75	75	75	74	72	70	68	64	59	49	28	97
198	5/30	50 cal Blank	60	T905	3	61	61	62	71	70	75	77	79	81	83	87	87	86	84	80	78	78	76	72	72	72	73	72	73	73	73	71	69	66	63	58	52	43	37	94
198	5/30	50 cal Blank	60	T905	7	60	56	64	70	71	76	78	79	81	84	87	87	85	83	80	77	77	76	73	71	73	71	71	71	71	70	69	67	64	61	56	50	39	29	94
198	5/30	50 cal Blank	60	T906	3	71	66	70	70	68	69	72	73	75	77	82	88	106	95	83	79	80	92	77	83	74	76	71	70	67	65	64	63	60	57	55	51	49	47	107
198	5/30	50 cal Blank	60	T906	7	71	71	71	68	68	71	72	73	75	78	83	88	106	96	83	81	80	91	78	82	73	75	70	69	65	63	62	60	58	56	52	50	48	46	106
201	6/21	50 cal Blank	60	T1520	3	70		73	70	74	74	74	77	77	81	81	85	90	96	109	101	91	85	85	91	88	88	86	84	86	82	82	80	77	75	73	69	60		110
201	6/21	50 cal Blank	60	T1520	7	62		73	70	73	71	69	73	74	77	77	80	85	91	104	98	85	82	81	86	81	82	82	79	82	77	76	75	69	67	69	61	54	41	105
201	6/21	50 cal Blank	60	T1520	11	71		74	70	74	75	74	71	77	77	77	81	86	93	107	99	88	83	83	91	83	84	82	79	82	78	77	73	71	68	67	60	52		108
201	6/21	50 cal Blank	30	T1521	3	75	65	77	75	70	76	75	76	81	82	83	87	90	100	113	104	92	90	90	100	92	96	91	91	89	86	83	81	79	78	75	70	61	41	114
201	6/21	50 cal Blank	30	T1521	14	65		77	75	72	74	76	74	81	80	82	87	90	100	112	103	92	89	89	99	92	95	90	90	89	85	83	80	78	77	74	70	60	41	113
201	6/21	50 cal Blank	60	T1522	3	70		74			67	69		74	68	64	75	75	76	75	75	72	72	73	75	75	76	77	78	80	80	79	75	73	73	71	67	56		90
201	6/21	50 cal Blank	60	T1522	6				61		71	63		71	67	64	70	71	71	70	71	67	68	69	68	71	71	73	73	74	74	75	71	68	68	65	61	52		85
201	6/21	50 cal Blank	60	T1522	10			73	72		61	66	69	70	70	69	74	72	73	73	71	68	68	70	71	73	72	73	74	75	77	77	73	70	70	68	64	54		87
201	6/21	50 cal Blank	60	T1523	3		64	75	73		72	73	69	78	77	80	83	85	88	90	90	89	85	85	81	83	85	87	89	90	92	92	89	89	91	90	89	81	56	102
201	6/21	50 cal Blank	60	T1523	14	74		74	66		74	73	64	74	76	80	82	84	88	89	90	89	83	83	80	81	84	86	88	89	92	92	88	87	88	86	84	77	52	101
201	6/21	50 cal Blank	60	T1530	3	69	65	71	64	68	72	73	72	77	80	82	87	96	109	92	84	82	87	93	84	85	81	81	81	81	78	73	72	74	71	68	65	61	57	110
201	6/21	50 cal Blank	60	T1531	2	66	64	70	63	69	70	73	72	74	80	83	87	95	108	91	85	82	85	93	85	85	81	81	81	80	76	72	72	72	70	67	63	59	55	109
201	6/21	50 cal Blank	60	T1532	3	43	44	50	47		47	54	56	61	65	69	73	76	74	73	73	69	69	74	75	75	77	78	78	78	77	76	74	73	72	70	68	59	34	88
201	6/21	50 cal Blank	60	T1533	2	43		50	40		48	52	56	61	66	71	74	76	75	73	74	71	71	73	73	75	77	77	78	79	78	77	75	74	73	71	68	60	34	88
205	6/6	50 cal Blank	75	T1038	3	74	76	73	72	66	66	66	67	70	73	77	89	107	90	81	79	82	94	79	87	80	81	78	76	72	70	68	70	66	64	60	58	54	51	108
205	6/6	50 cal Blank	75	T1038	8	72	73	75	74	71	72	73	75	77	80	85	94	110	95	86	83	86	97	81	89	83	83	81	78	76	75	72	72	68	65	62	60	57	54	110
205	6/6	50 cal Blank	90	T1040	3	69	69	68	64	63	68	68	70	74	76	80	91	107	90	80	77	80	91	74	84	79	79	73	70	67	66	64	67	60	57	55	51	48	47	107
205	6/6	50 cal Blank	90	T1040	7	68	65	64	65	61	66	67	70	73	75	81	91	108	92	81	78	81	92	73	84	79	81	77	72	71	69	66	69	63	60	58	54	51	49	108
205	6/6	50 cal Blank	75	T1041	3	50	53	50	45	44	48	48	53	57	61	65	67	70	70	73	74	67	70	68	69	71	74	77	78	76	74	72	71	70	68	65	61	51	42	86
205	6/6	50 cal Blank	75	T1041	7	37	44	49	49		45	50	55	60	64	69	71	73	74	77	78	71	73	72	72	73	78	83	83	79	76	75	75	73	71	68	64	54	37	90
205	6/6	50 cal Blank	90	T1043	3	44		43	43		46	46	49	55	58	63	66	67	66	68	67	62	64	66	69	71	73	74	76	73	71	70	69	67	64	60	55	44	29	83
205	6/6	50 cal Blank	90	T1043	7	40			38		48	47	51	56	58	64	67	67	67	69	68	62	63	65	70	71	75	76	76	74	73	75	72	70	68	63	57	47	33	85
205	6/6	50 cal Blank	120	T1045	3			39	41		44	40	45	49	52	57	60	63	63	67	66	62	63	64	65	67	68	69	68	66	66	64	62	61	58	54	47	36	23	78
205	6/6	50 cal Blank	120	T1045	7	39		41	40		41	41	48	50	53	57	61	63	62	67	65	61	65	66	68	66	68	69	70	69	68	67	64	63	60	56	49	36	22	79

205	6/6	50 cal Blank	120	T1047	3	65	64	64	65	62	64	64	66	68	70	75	87	104	87	78	74	77	88	70	80	75	75	70	66	64	61	58	59	54	52	50	47	45	44	104
205	6/6	50 cal Blank	120	T1047	7	62	60	60	61	58	64	63	67	69	70	76	88	103	87	78	74	77	88	70	82	76	77	72	67	66	64	61	62	57	55	54	49	46	44	104
205	6/6	50 cal Blank	75	T1320	3	46		44	46		48	45	45	51	52	56	59	58	59	63	66	61	58	62	65	66	68	69	70	68	67	66	65	64	60	58	53	45	31	78
205	6/6	50 cal Blank	75	T1320	7	37	37	48	44		47	47	52	55	58	61	64	64	66	68	70	68	64	67	71	72	74	75	76	74	74	72	73	71	67	65	61	52	41	84
205	6/6	50 cal Blank	75	T1320	11	40		41	47		47	46	53	56	60	63	66	66	67	70	73	70	66	69	71	73	75	77	78	76	76	74	72	71	69	66	61	52	47	86
205	6/6	50 cal Blank	90	T1322	3	48		37	43		46	46	51	57	60	63	65	65	63	68	66	60	61	65	68	71	73	73	76	73	76	75	71	70	66	61	57	54	48	84
205	6/6	50 cal Blank	90	T1322	7	49	50	48	41		43	45	53	58	63	66	69	69	69	72	71	66	64	69	71	74	76	77	78	76	75	73	71	72	67	64	59	49	27	86
205	6/6	50 cal Blank	75	T1323	3	63	65	70	69	69	69	68	68	69	71	75	80	95	90	73	69	71	76	76	80	69	65	65	66	70	69	61	60	58	54	51	42	40	37	97
205	6/6	50 cal Blank	75	T1323	7	72	73	73	72	71	70	69	72	74	77	81	86	103	97	80	75	80	82	83	87	78	72	72	73	76	76	69	67	66	62	61	54	51	49	104
205	6/6	50 cal Blank	75	T1323	11	62	63	59	61	65	66	69	73	75	78	82	87	104	99	81	77	81	86	84	87	79	74	74	74	78	78	69	68	66	62	59	54	52	50	105
205	6/6	50 cal Blank	90	T1325	3	71	65	64	67	67	69	70	72	74	77	81	86	103	95	76	73	74	82	81	85	76	70	70	73	75	73	64	63	59	56	51	48	45	44	104
205	6/6	50 cal Blank	90	T1325	7	68	70	72	66	67	70	70	73	76	79	82	88	104	99	82	75	82	85	84	89	80	76	75	77	81	80	71	70	69	65	61	57	55	53	106
205	6/6	50 cal Blank	120	T1327	6	69	69	72	73	68	67	69	71	72	75	78	83	99	95	76	74	78	82	82	85	75	70	71	72	75	73	67	64	60	58	53	50	48	46	101
205	6/6	50 cal Blank	120	T1329	3	62	60	61	61	57	56	51	50	51	55	58	59	59	61	63	63	60	59	62	64	66	69	71	72	70	69	68	65	64	60	56	49	36	25	80
205	6/6	50 cal Blank	120	T1329	6	54	51	54	44	44	41	47	48	52	56	60	62	63	64	67	69	66	62	67	67	68	71	72	73	73	71	70	68	67	63	58	52	39	25	82
207	4/27	50 cal Blank	60	T883	3	65	64	63	73	71	77	78	79	82	84	85	86	86	85	80	77	74	73	75	76	73	74	74	75	74	73	72	70	68	65	62	59	53	48	94
207	4/27	50 cal Blank	60	T883	9	65	66	63	74	74	79	79	82	85	87	89	90	89	88	83	81	76	76	78	77	76	77	77	77	76	76	74	72	70	68	64	60	54	48	97
207	4/27	50 cal Blank	60	T883	13	55	64	61	71	73	77	77	80	83	85	87	88	88	87	82	79	75	74	76	77	75	76	76	76	75	75	72	71	69	66	63	59	54	49	96
207	6/7	50 cal Blank	30	T1837	3			70	74	76	78	80	79	81	86	90	101	108	95	89	88	92	92	85	89	86	90	85	84	80	77	74	73	73	72	68	64	54		110
207	6/7	50 cal Blank	30	T1837	11	72		73	79	75	80	81	80	81	87	90	102	109	96	90	89	93	94	85	90	87	91	86	85	82	77	75	73	73	72	69	65	58		111
207	6/7	50 cal Blank	30	T1839	10	61	69	71	79	78	82	84	85	87	90	93	94	94	95	92	88	87	85	84	88	87	87	90	88	89	88	86	86	86	84	82	77	69	40	104
207	6/7	50 cal Blank	60	T1841	3	58	58	67	69	74	74	77	80	81	84	87	87	86	85	82	76	75	79	75	76	78	82	84	84	82	83	81	76	74	73	69	65	56	34	96
207	6/7	50 cal Blank	60	T1841	7	60		71	71	74	77	79	81	83	87	89	89	88	87	84	77	76	81	80	79	83	86	88	86	85	83	82	80	78	76	71	68	59	37	98
207	6/7	50 cal Blank	60	T1843	3	65	65	69	68	74	74	77	80	82	85	90	97	102	92	85	80	74	73	71	78	81	89	81	81	74	73	66	65	65	64	59	51	43	35	104
207	6/7	50 cal Blank	60	T1843	7	66		69	71	73	77	78	81	84	88	92	100	104	94	87	82	77	77	74	82	85	93	84	83	79	74	71	70	70	69	65	58	49	40	106
207	6/7	50 cal Blank	90	T1845	3	63	55	67	68	72	72	76	78	81	83	86	92	96	89	79	74	69	65	63	72	77	84	77	77	73	70	62	59	61	58	52	37	39		99
207	6/7	50 cal Blank	90	T1845	6	64		63	64	68	69	71	74	78	80	83	89	93	84	75	72	65	62	59	69	73	79	72	74	68	65	55	53	51	49	43		38		95
207	6/7	50 cal Blank	90	T1845	11		51	59	61	67	71	73	75	78	82	84	90	94	84	73	71	63	60	58	67	68	75	69	73	68	66	57	53	54	54	48	39	33		96
207	6/7	50 cal Blank	90	0	0	61		65	67	72	72	75	77	79	82	83	82	81	79	73	67	67	72	73	74	75	75	75	75	74	73	73	69	65	62	56	45	40		91

207	6/7	50 cal Blank	90	T1846	6	54		61	66	69	69	71	74	77	78	80	79	77	76	69	65	65	71	70	71	72	75	74	76	74	74	72	68	65	61	54	45	37	30	88
207	6/7	50 cal Blank	90	T1846	11	57		56	59	64	69	72	75	77	80	81	80	78	76	69	66	65	67	68	68	69	70	71	71	70	69	68	66	62	59	53	43	39		88
207	6/15	50 cal Blank	30	T1512	3			64		57	69	65	65	71	70	72	74	74	74	72	71	72	76	78	81	84	87	85	87	86	87	87	86	83	83	81	78	70	44	97
207	6/15	50 cal Blank	30	T1512	7	60		63	70	65	72	72	69	73	74	74	76	74	75	72	71	75	78	79	81	85	89	87	86	88	87	88	87	86	84	82	80	71	47	98
207	6/15	50 cal Blank	30	T1513	3	70		64	74	74	75	78	80	81	84	90	99	103	93	83	82	84	83	82	91	87	90	88	83	83	82	81	77	74	72	70	65	60	40	106
207	6/15	50 cal Blank	30	T1513	7	71	65	72	77	69	78	79	80	82	85	89	100	104	93	84	83	86	84	83	92	89	92	89	85	85	84	83	79	78	74	73	68	62		106
207	6/15	50 cal Blank	90	T1514	3			59	67	68	71	73	75	77	78	82	90	94	84	73	66	55	64	70	76	71	76	77	72	71	71	68	65	59	56	54	40	37		96
207	6/15	50 cal Blank	90	T1514	7			67	71	69	75	77	79	81	82	86	94	98	88	77	70	59	67	74	80	76	79	80	77	77	76	73	71	65	60	58	44	44		100
207	6/15	50 cal Blank	60	T1515	3		66	65	70	72	74	76	78	81	84	88	96	101	90	81	76	73	72	78	82	81	90	89	85	82	83	83	79	75	73	69	64	57	34	103
207	6/15	50 cal Blank	60	T1515	5	60		61	63	67	71	74	76	78	82	86	94	99	89	80	76	73	72	78	83	82	89	89	84	79	84	84	79	75	72	67	64	54	34	102
207	6/15	50 cal Blank	90	T1516	3	59		58	56		53	55		60	59	58	65	66	64	61	59	60	65	66	68	68	70	71	72	71	71	70	68	67	65	62	55	45		81
207	6/15	50 cal Blank	90	T1516	7				61		49	58		62	60	63	68	68	66	62	61	62	68	69	72	72	74	75	74	74	74	73	71	69	68	66	59	48		84
207	6/15	50 cal Blank	60	T1517	3	61		65	62		64	59	49	65	66	68	71	73	71	68	65	68	74	73	76	76	85	84	85	83	79	78	77	77	74	72	69	60	40	92
207	6/15	50 cal Blank	60	T1517	6			59	64		64	56	60	66	67	67	71	71	70	66	62	67	74	74	76	79	85	86	86	84	85	84	82	79	76	74	72	62	36	94
216	5/8	50 cal Blank	120	T1186	3	35	55	56	62	63	67	69	72	73	77	78	79	75	72	65	61	59	63	65	69	68	69	70	69	68	68	66	63	60	56	50	43	32	21	86
216	5/8	50 cal Blank	120	T1186	6	43	51	59	61	63	68	70	72	74	78	78	79	75	72	65	61	60	64	68	69	69	69	70	69	69	67	66	63	61	56	50	43	32	23	86
216	5/8	50 cal Blank	120	T1186	8	44	50	61	60	66	70	72	75	76	80	81	81	78	74	68	62	62	64	68	72	71	71	71	71	71	69	68	66	62	59	53	45	34	24	88
216	6/1	50 cal Blank	90	T1422	3	61	59	59	64	66	65	69	71	71	76	83	96	92	79	72	70	75	71	75	83	81	69	76	84	81	74	73	69	66	64	60	56	54	51	99
216	6/1	50 cal Blank	90	T1422	6	47	54	58	57	63	65	68	69	73	77	84	97	92	78	71	69	76	71	75	83	81	69	76	83	81	74	72	69	67	63	59	57	54	51	99
216	6/1	50 cal Blank	120	T1424	3	56	54	58	62	65	66	69	71	74	77	83	92	88	75	66	61	62	60	73	82	80	66	73	80	74	70	68	62	59	56	50	46	43	40	95
216	6/1	50 cal Blank	120	T1424	7	51	44	59	64	67	68	71	73	75	80	84	92	90	77	69	63	60	59	74	83	81	67	73	80	77	74	69	63	61	59	54	50	46	44	96
216	6/1	50 cal Blank	90	T1425	3			42	33		40	42	48	50	55	59	61	62	62	60	60	58	63	69	72	73	75	76	75	76	76	74	70	69	66	63	58	47	29	85
216	6/1	50 cal Blank	90	T1425	6	36		41			39	43	48	51	56	60	62	62	61	60	60	58	62	68	71	73	74	76	75	75	74	72	70	68	66	63	58	47	26	84
216	6/1	50 cal Blank	120	T1427	4			38	35		40	43	46	51	55	59	57	60	55	51	52	55	61	66	70	71	73	75	75	73	72	70	68	66	63	59	53	41	25	82
216	6/1	50 cal Blank	120	T1427	7			36			42	45	49	52	57	61	59	62	56	52	54	56	61	66	70	72	74	75	75	74	73	70	68	66	63	59	53	41	27	83
216	6/1	50 cal Blank	90	T1456	3	59	62	63	61	65	68	68	69	72	74	79	81	94	102	81	74	74	87	85	79	81	76	72	70	69	69	64	60	59	59	55	52	48	46	103
216	6/1	50 cal Blank	90	T1456	7	54	59	57	60	61	65	65	66	71	73	77	81	93	101	80	74	74	86	84	79	81	76	71	70	69	68	63	60	58	59	57	52	51	47	102
216	6/1	50 cal Blank	120	T1458	3	59	62	61	62	62	65	67	70	71	73	77	80	92	100	81	73	71	81	79	76	71	70	69	71	69	68	59	54	56	57	54	46	43	41	101
216	6/1	50 cal Blank	120	T1458	6	48	56	55	57	59	63	66	68	70	72	75	79	91	99	80	72	70	79	78	75	70	67	67	69	67	66	58	53	54	56	52	44	41	39	99
216	6/1	50 cal Blank	120	T1458	9	53	56	59	66	60	63	66	66	69	71	75	77	90	99	78	69	68	79	78	76	68	66	67	68	67	65	56	51	52	54	51	43	41	39	99
216	6/1	50 cal Blank	120	T1458	11	36	53	53	53	54	61	65	67	69	71	75	77	90	98	78	70	69	79	77	71	68	65	65	67	66	64	55	51	52	52	49	43	40	39	99

216	6/1	50 cal Blank	90	T1459	4	39		38	38	30	42	47	52	57	62	65	68	68	71	71	68	63	66	68	70	71	72	74	74	73	72	70	68	66	63	60	56	50	41	83
216	6/1	50 cal Blank	90	T1459	7	36		42	38		39	46	52	57	61	64	67	67	70	70	69	63	63	67	69	71	72	73	73	73	72	70	68	65	63	59	55	48	39	83
216	6/1	50 cal Blank	120	T1461	4	36		37	30		43	44	49	54	57	61	63	63	64	66	62	58	60	65	69	70	71	74	73	72	71	68	66	63	59	55	49	42	32	81
216	6/1	50 cal Blank	120	T1461	6			30			39	43	47	52	55	58	60	60	62	64	60	55	58	63	66	67	69	71	70	69	68	66	63	61	57	53	47	40	30	79
216	6/1	50 cal Blank	120	T1461	9	41		42	41		44	45	46	52	55	58	60	60	61	63	60	55	58	63	67	67	69	70	70	69	68	65	63	60	57	52	46	39	29	78
216	6/1	50 cal Blank	120	T1461	12	36		39	30		38	42	45	52	55	58	60	59	61	63	59	56	58	62	65	66	68	69	70	69	67	65	63	60	56	52	46	38	27	78
216	6/1	50 cal Blank	120	T1462	3						42	42	48	51	55	58	60	59	60	61	58	54	58	62	66	68	69	70	70	70	68	66	63	60	57	52	46	38	27	78
216	6/1	50 cal Blank	120	T1462	6	39		39	40		43	42	46	51	55	58	59	59	60	62	59	54	57	61	66	68	69	70	70	69	68	66	63	60	57	51	45	37	26	78
216	6/1	50 cal Blank	120	T1462	9				38		41	40	48	53	56	59	61	60	61	63	59	55	57	61	66	68	69	70	70	69	68	66	63	61	57	52	46	38	28	79
216	6/1	50 cal Blank	120	T1463	3	61	64	63	62	63	65	68	69	71	73	76	80	92	99	78	69	69	77	75	76	67	66	66	68	68	66	56	51	53	55	51	43	41	38	100
216	6/1	50 cal Blank	120	T1463	6	53	51	57	53	58	63	65	67	69	72	75	78	91	99	78	71	70	79	77	74	68	66	66	67	66	64	55	51	51	52	48	42	39	37	100
216	6/1	50 cal Blank	120	T1463	9	51	53	57	55	58	63	66	67	70	73	76	79	91	99	79	73	71	79	77	74	67	66	66	67	67	65	56	51	51	52	48	42	40	38	100
218	6/8	50 cal Blank	30	T1606	3	70		71	72	73	75	79	79	82	82	85	95	103	101	92	89	87	93	95	96	85	83	80	79	81	81	82	80	76	73	68	64	52	0	107
218	6/8	50 cal Blank	30	T1606	6			68	74	74	76	79	81	81	83	86	95	104	102	93	89	88	94	96	96	86	84	79	80	82	83	83	81	75	74	68	65	56	41	108
218	6/8	50 cal Blank	30	T1608	3			70	71		65	68	53	71	73	75	77	79	82	77	79	81	82	79	83	84	85	85	85	86	85	83	83	84	82	81	78	70	44	96
218	6/8	50 cal Blank	30	T1608	6				64		56	62	66	69	73	73	77	80	82	78	80	82	82	80	83	85	86	86	86	87	86	83	83	84	82	80	78	70	44	97
218	6/8	50 cal Blank	60	T1610	3	55		61			61	59	52	63	65	68	70	68	68	65	66	65	70	73	73	75	78	78	77	77	75	74	74	72	70	67	63	53	34	87
218	6/8	50 cal Blank	60	T1610	6	58		56			61	60	55	68	65	70	72	70	69	67	68	66	72	74	74	78	80	80	77	77	77	75	74	72	70	68	64	54		88
218	6/8	50 cal Blank	90	T1612	4	55		64	55		63	52	52	64	64	64	68	66	61	63	63	58	67	70	72	74	76	76	77	75	74	72	70	68	67	63	56	48		85
218	6/8	50 cal Blank	90	T1612	8	62		65	64	63	62	64	56	63	64	63	68	65	61	63	62	55	65	69	69	74	75	76	77	74	73	72	69	68	66	64	57	49		84
218	6/8	50 cal Blank	60	T1613	3			63	68	66	70	73	76	80	84	89	94	97	96	88	84	80	83	90	92	80	77	71	72	76	82	80	76	70	66	59	54	47	34	102
218	6/8	50 cal Blank	60	T1613	6	63		64	67	69	72	73	77	80	85	90	95	98	97	89	84	82	85	92	94	82	77	75	73	79	83	81	78	72	70	63	58	51	34	104
218	6/8	50 cal Blank	90	T1615	4			67	57	66	69	74	75	78	82	86	92	94	90	85	78	74	79	88	91	74	74	63	74	74	80	79	76	69	68	58	53	46	34	99
218	6/8	50 cal Blank	90	T1615	7			62	67	66	70	72	75	78	81	85	91	94	89	83	76	73	77	84	86	71	71	60	71	72	73	72	67	59	60	49	41	41		98
221	6/23	50 cal Blank	30	T1373	2	75	70	71	75	76	78	78	81	80	82	85	91	109	109	91	87	84	98	89	93	88	86	82	79	81	79	76	75	73	70	64	60	53	47	112
221	6/23	50 cal Blank	30	T1373	8	65	63	67	73	76	81	81	83	83	83	86	93	110	110	93	89	87	99	90	95	89	87	83	81	82	80	78	76	75	71	65	61	55	48	113
221	6/23	50 cal Blank	30	T1375	2	63	56	55	57	42	53	57	60	66	70	75	78	81	82	81	81	80	79	79	81	82	83	84	84	85	85	84	84	82	82	81	80	73	50	96
221	6/23	50 cal Blank	30	T1375	8	55		49	48		53	59	63	68	72	76	80	82	83	82	84	83	82	81	83	84	86	86	86	86	86	84	85	84	83	82	80	73	47	97
221	6/23	50 cal Blank	60	T1376	4	69	66	62	65	68	71	74	75	76	77	78	86	103	103	86	83	83	91	82	87	80	77	75	72	76	74	72	68	67	62	59	56	53	51	106

221	6/23	50 cal Blank	60	T1377	4	68	64	65	66	68	70	72	75	77	77	80	86	103	104	86	82	82	92	83	87	80	78	75	74	77	75	71	68	67	61	58	56	53	51	107
221	6/23	50 cal Blank	60	T1378	4	50		46	42	36	47	49	53	59	63	66	70	71	71	71	70	66	67	69	75	76	78	79	78	78	79	78	75	75	74	72	69	60	37	88
221	6/23	50 cal Blank	60	T1379	3	51	50	48	45		45	48	55	60	63	67	71	71	72	70	70	65	67	69	73	76	78	79	79	80	81	77	76	77	75	73	71	64	49	89
222	6/8	50 cal Blank	30	T1888	5	71	70	74	72	69	73	77	78	81	81	85	90	107	109	94	88	86	97	90	89	88	86	82	80	80	76	74	72	70	68	66	61	52	43	112
222	6/8	50 cal Blank	30	T1888	8	68		69	68	68	75	76	77	80	81	85	90	107	109	92	87	85	97	89	89	87	85	80	79	80	75	74	71	70	68	64	60	52		111
222	6/8	50 cal Blank	15	T1889	5	79	71	73	78	77	81	82	82	84	84	88	93	110	111	94	89	90	101	93	94	93	91	88	86	85	83	83	82	80	76	75	72	63		114
222	6/8	50 cal Blank	15	T1889	8	78	68	75	78	75	82	81	83	84	85	87	94	110	113	94	89	90	102	95	94	94	91	88	86	85	83	82	82	80	75	73	70	62	43	115
222	6/8	50 cal Blank	30	T1891	5			73	75	74	78	81	83	84	88	91	90	92	91	90	88	87	80	81	81	80	80	81	81	82	81	80	80	78	75	74	69	60		100
222	6/8	50 cal Blank	30	T1891	8	70		70	75	76	77	79	82	84	87	90	90	91	91	90	87	86	80	80	80	80	80	81	80	82	81	80	79	78	75	73	69	60	40	99
222	6/8	50 cal Blank	15	T1892	5	78	70	76	82	79	83	83	84	87	87	91	91	90	95	95	94	90	92	92	91	90	91	93	91	91	90	90	89	89	89	88	85	78	54	105
222	6/8	50 cal Blank	15	T1892	8	82	72	75	84	81	84	84	84	87	89	92	92	90	95	95	95	91	92	93	92	92	91	92	91	92	91	90	89	90	90	89	87	81	55	106
222	6/8	50 cal Blank	60	T1893	4			65	70	68	73	75	78	80	82	85	84	84	79	79	75	73	73	75	76	74	76	76	75	74	74	73	71	69	67	63	54	44		92
222	6/8	50 cal Blank	60	T1893	8	64		66	69	71	74	77	78	81	83	86	86	86	81	80	76	75	75	76	76	77	77	77	77	77	76	74	73	70	68	64	56	48		94
222	6/8	50 cal Blank	60	T1894	4			57	71	72	74	77	79	80	82	86	90	104	105	89	84	81	82	81	87	74	72	72	79	82	74	74	70	72	66	63	55	45	39	108
222	6/8	50 cal Blank	60	T1894	8	65	56	67	74	72	77	78	79	79	83	87	91	105	106	91	84	83	85	83	88	76	76	77	82	86	81	80	76	75	70	68	62	53	41	109
227	6/15	50 cal Blank	90	T1492	3	53	53	48	46	51	50	52	52	56	60	65	67	65	63	58	53	55	61	66	68	71	75	75	74	75	72	72	71	71	69	65	62	54	34	84
227	6/15	50 cal Blank	90	T1492	7	56	55	56	50	48	48	52	51	58	62	66	68	66	65	59	55	55	62	66	68	71	76	75	75	77	73	72	73	73	71	70	67	57	54	85
227	6/15	50 cal Blank	60	T1493	4	48	47	46	47	46	52	54	57	61	66	68	72	72	71	69	62	60	65	70	72	76	78	80	81	79	77	78	77	74	72	73	71	62	53	89
227	6/15	50 cal Blank	60	T1493	7	44		44	44	43	50	53	57	63	67	70	74	74	74	72	65	64	68	72	74	77	82	84	83	81	78	78	75	74	74	72	70	62	50	91
227	6/15	50 cal Blank	90	T1494	3	62	53	59	66	66	70	73	74	78	80	84	90	98	90	80	78	76	75	72	74	79	78	73	73	71	68	64	67	67	60	58	54	47	45	100
227	6/15	50 cal Blank	90	T1494	7	63	51	49	54	64	68	72	74	77	80	84	91	99	91	80	80	78	78	73	74	78	80	75	73	70	67	64	63	66	61	58	54	49	47	101
227	6/15	50 cal Blank	60	T1495	4	68	64	65	64	68	68	72	74	75	80	80	90	100	92	82	81	82	85	78	80	78	78	75	72	70	67	65	64	64	60	60	54	50	47	102
227	6/15	50 cal Blank	60	T1495	7	63	50	54	56	64	67	72	75	78	80	82	91	103	94	84	83	84	87	80	82	80	80	78	74	72	69	66	64	64	61	60	55	50	47	104
227	6/15	50 cal Blank	30	T1497	4	73	71	69	75	75	79	78	78	82	84	90	96	110	103	92	89	90	96	84	89	86	85	84	83	81	79	76	74	74	71	71	66	59	51	111
227	6/15	50 cal Blank	30	T1497	18	72	64	65	75	75	79	80	81	82	84	91	97	110	103	93	90	91	96	85	90	88	86	84	83	80	79	76	74	76	72	72	71	62	52	112
227	6/15	50 cal Blank	30	T1499	4	62	61	59	66	64	69	72	73	75	78	81	82	84	84	82	80	76	77	81	84	89	91	93	93	92	90	91	90	90	89	87	86	80	72	102
227	6/15	50 cal Blank	30	T1499	18	67	59	59	67	65	70	72	74	76	78	82	83	85	86	83	82	77	77	80	85	90	91	95	95	91	90	91	92	91	90	88	87	80	71	103
227	6/15	50 cal Blank	30	T1505	3			61	58		70	69	69	72	74	77	78	78	81	76	76	74	75	80	83	85	90	88	88	86	87	87	87	87	88	88	86	78	53	99
227	6/15	50 cal Blank	30	T1505	6			64	71	63	73	72	74	75	78	79	81	80	82	77	77	75	76	81	84	84	89	90	89	90	91	92	92	90	91	89	88	81	56	101
227	6/15	50 cal Blank	30	T1507	3	64		68	74	70	76	78	79	82	83	89	103	106	93	86	85	90	90	83	86	82	82	81	77	76	75	75	74	70	68	68	70	61		108
227	6/15	50 cal Blank	30	T1507	6	64	60	69	76	73	79	80	82	83	86	92	105	107	94	88	87	91	91	85	87	84	83	81	77	79	78	77	75	71	69	69	69	61		110

227	6/15	50 cal Blank	60	T1508	3	61	51	64	71	68	76	78	79	82	86	91	99	100	88	82	81	76	72	67	87	80	80	80	76	73	69	72	66	65	64	67	68	60	36	103
227	6/15	50 cal Blank	60	T1508	7	51		61	70	69	76	78	79	81	86	91	99	100	88	81	79	76	70	68	85	79	80	80	73	73	69	69	65	64	62	63	63	53	30	103
227	6/15	50 cal Blank	90	T1509	3		51	58	71	62	71	74	76	79	82	87	95	98	84	76	72	70	68	64	77	73	77	77	71	75	64	65	62	56	56	58	57	49		101
227	6/15	50 cal Blank	90	T1509	6	64		62	69	66	73	75	76	78	82	87	95	98	84	76	72	71	69	65	80	76	77	79	74	78	69	73	69	67	63	66	65	57		101
227	6/15	50 cal Blank	60	T1510	3			58			54	60	45	62	65	68	70	70	68	66	66	67	72	73	76	77	80	80	84	84	82	78	75	74	74	73	71	62	39	91
227	6/15	50 cal Blank	60	T1510	7	51		58	51		55	56	58	60	64	67	71	70	69	66	65	67	70	73	76	78	81	82	82	84	84	79	77	74	73	72	69	62	36	91
227	6/15	50 cal Blank	90	T1511	3	61		59	48		57	58	#	62	63	65	67	67	63	60	59	61	68	70	71	72	74	75	75	77	75	72	72	70	70	67	63	52	37	85
227	6/15	50 cal Blank	90	T1511	6			57			56	53	52	61	63	64	67	67	64	60	57	62	68	71	71	72	74	75	74	74	73	71	70	68	67	65	61	50		84
228	4/27	50 cal Blank	90	T1143	6	58	54	56	66	64	70	73	75	78	81	84	85	83	84	80	73	70	72	72	71	70	72	72	71	70	67	65	62	58	54	47	42	36	33	92
228	4/27	50 cal Blank	90	T1143	9	52	50	51	63	62	71	74	76	79	83	87	88	86	86	83	78	74	74	76	74	73	74	74	74	72	70	68	65	60	56	51	46	41	39	94
228	4/27	50 cal Blank	90	T1143	13	60	57	52	59	65	71	72	76	80	83	87	88	88	87	83	77	75	77	76	75	74	76	75	74	73	70	68	66	62	57	51	46	41	37	95
228	5/1	50 cal Blanks	120	T491	3	52	49	59	59	63	66	68	70	73	76	77	79	79	74	68	59	57	60	63	63	65	65	65	65	63	61	59	56	52	46	40	28	26		85
228	5/1	50 cal Blanks	120	T491	8	46	50	59	61	63	67	70	71	74	76	78	79	79	74	69	59	58	60	63	65	64	66	66	65	64	63	59	56	52	47	40	31	31		86
228	5/1	50 cal Blanks	120	T491	13	42	48	59	61	64	67	70	72	74	76	78	79	79	74	68	59	56	59	62	63	63	65	65	64	63	62	59	56	52	46	40	28	29		86
228	5/4	50 cal Blank	240	T820	4	36	39	46	49	46	47	47	47	46	49	49	49	50	48	48	46	49	48	50	50	44	41	38	35	33	0	32	31	20	20	13		12		61
228	5/4	50 cal Blank	150	T821	3	35	46	51	59	60	64	67	68	71	73	75	74	70	65	57	51	52	54	58	58	58	60	60	61	59	57	55	52	49	45	39	32	23	16	81
228	5/4	50 cal Blank	150	T821	7	47	56	57	65	65	69	72	74	77	79	81	80	75	71	63	59	57	60	63	64	64	66	66	65	65	63	61	58	55	50	44	38	29	25	87
228	6/7	50 cal Blank	90	T1535	4	59		63	63		62	61		61	57	56	63	63	60	54	57	45	60	62	65	68	70	70	70	70	68	66	65	60	57	48		38		79
228	6/7	50 cal Blank	90	T1535	11			61	61		62	52		65	63	63	68	66	64	64	61		61	65	67	70	72	72	72	72	71	69	66	62	59	51		40		81
228	6/7	50 cal Blank	90	T1537	4			63	57	67	70	70	73	76	78	81	85	83	81	75	72	72	65	62	65	65	65	74	78	68	65	63	67	61	53	50	43	39		90
228	6/7	50 cal Blank	90	T1537	11			63	66	69	71	74	76	79	81	84	87	87	83	80	75	75	68	65	68	69	67	74	77	68	65	64	66	60	50	50	41	40		93
228	6/7	50 cal Blank	120	T1539	3			61	65	64	67	70	74	75	78	81	82	82	81	77	71	69	63	58	58	58	58	66	66	59	55	54	54	49	41	33				89
228	6/7	50 cal Blank	120	T1539	6		51	59	67	67	71	73	75	77	80	83	84	85	83	79	74	73	64	59	60	60	60	69	69	61	56	56	57	52	45	43				91
228	6/7	50 cal Blank	150	T1541	4	51		61	66	64	69	72	73	77	80	81	81	82	79	73	68	68	63	57	58	62	59	67	67	60	55	54	56	49	43	40		30		89
228	6/7	50 cal Blank	150	T1541	7			63	64	61	70	71	73	76	79	80	81	82	79	73	69	70	63	58	58	61	59	66	67	59	53	54	54	44	43	37		30		88
228	6/7	50 cal Blank	120	T1543	3			55	54		58			59	58	60	63	60	60	57	52	39	52	58	61	63	66	66	67	66	64	63	60	54	50	40				75
228	6/7	50 cal Blank	120	T1543	6			58	60		55	58		61	60	62	64	62	63	59	56	41	57	58	62	66	68	70	69	68	66	64	62	57	53	42		36		78
228	6/7	50 cal Blank	150	T1545	4			61	57		57			61	59	62	62	61	58	56	53	39	57	57	60	64	65	67	67	66	64	63	60	51	49	33		37		76
228	6/7	50 cal Blank	150	T1545	7			58			57	56		60	59	60	63	62	59	57	54	39	55	57	59	63	65	66	67	66	64	62	59	51	50	38		36		75

228	6/7	50 cal Blank	90	T1546	3			60	59		58	57		62	62	60	61	60	57	60	58		58	59	62	65	67	67	67	66	65	63	60	57	52	46		34		76
228	6/7	50 cal Blank	90	T1546	9			65	57		57	59		66	63	63	67	64	58	63	62	49	62	63	65	68	70	70	70	69	67	66	63	59	57	49			34	79
228	6/7	50 cal Blank	90	T1548	3	58		64	66	68	71	73	75	79	81	83	86	95	92	80	70	60	61	61	73	67	64	64	70	65	64	63	59	55	56	49		34		98
228	6/7	50 cal Blank	90	T1548	9			68	68	70	70	73	77	79	82	84	87	96	93	81	72	62	61	62	74	66	65	66	70	66	63	63	60	56	56	47				99
228	6/7	50 cal Blank	120	T1551	2			52		62	66	69	71	73	76	78	81	88	85	75	63	53	56	56	62	58	56	56	58	56	53	52	50	41	45	37		37		91
228	6/7	50 cal Blank	120	T1551	5			59	61	67	69	70	72	74	78	79	83	91	87	74	66	59	56	55	61	58	58	54	60	57	53	54	50	48	42	34				93
228	6/7	50 cal Blank	150	T1553	2		52	59	63	64	65	67	68	69	73	73	76	83	80	67	61	51	55	55	60	57	55	53	59	55	46	51	46	41	40			31		86
228	6/7	50 cal Blank	150	T1553	5		53	63	60	62	66	68	70	72	75	75	78	85	81	71	64	56	58	56	59	57	57	54	59	55	49	52	51	44	44	35		34		88
228	6/7	50 cal Blank	120	T1555	2			55	51		58	50	0	58	58	60	59	55	0	52	53	36	56	54	53	60	62	62	62	62	60	58	55	46	47	42		30		72
228	6/7	50 cal Blank	120	T1555	5	56		57	61		60	57		62	60	57	62	59	46	56	57	46	57	58	55	61	64	63	64	63	61	60	57	47	47	39		35		74
228	6/7	50 cal Blank	150	T1557	2			48		54	54	52		62	53	0	59	53		48	50		47	52	46	56	58	57	58	58	51	56	49	35	41			35		69
228	6/7	50 cal Blank	150	T1557	5	56		59			59	60		60	59	50	61	57	44	53	55	41	54	55	48	58	59	57	60	59	53	56	54	0	43	30		39		71
289	5/9	50 cal Blank	60	T954	2		54	59	65	66	70	73	75	78	79	80	79	72	68	68	64	67	71	73	72	73	73	73	73	74	73	69	67	64	61	57	52	41	23	88
289	5/9	50 cal Blank	60	T954	5	53	59	67	68	73	75	78	81	84	85	86	84	78	74	73	69	72	76	78	78	78	79	80	79	79	78	75	72	70	66	62	57	45	34	93
289	5/9	50 cal Blank	60	T954	8		53	69	65	73	75	77	80	83	84	85	83	77	73	72	69	71	75	77	77	79	80	80	80	78	77	73	71	69	66	61	56	44	28	93
289	5/12	50 cal Blank	90	T1197	2	39	49	63	62	69	73	76	79	81	83	84	83	78	72	67	68	70	74	76	76	75	76	76	77	75	72	71	70	67	67	62	57	53	50	91
289	5/12	50 cal Blank	90	T1197	5	48	52	64	63	69	72	75	79	81	84	84	83	78	72	67	68	68	73	75	76	75	76	76	76	73	70	70	69	65	64	59	55	44	28	91
289	5/12	50 cal Blank	90	T1197	8	36	53	68	62	73	76	79	82	85	87	88	87	82	75	71	72	72	76	78	79	78	80	80	78	77	74	73	72	69	67	63	58	48	33	95
294/176	6/22	50 cal Blank	30	T1764	2	68		60	74	69	75	77	78	81	80	85	90	108	107	93	89	88	96	88	89	89	85	81	80	78	80	76	74	71	71	66	62	54	42	111
294/176	6/22	50 cal Blank	30	T1764	9	72		69	75	74	74	77	80	81	81	87	92	107	107	93	89	88	96	88	89	89	85	81	80	78	81	76	73	71	70	66	63	53		111
294/176	6/22	50 cal Blank	30	T1766	2	74		70	78	71	78	80	80	85	85	87	91	90	92	91	89	90	86	83	82	84	83	82	84	84	84	83	81	82	82	79	77	69	46	100
294/176	6/22	50 cal Blank	30	T1766	9	66	61	67	76	75	78	79	81	84	86	88	91	90	92	91	90	89	85	83	82	84	82	82	83	83	83	83	82	81	82	80	77	69	43	100
294/176	6/22	50 cal Blank	60	T1767	3			60	69	69	73	75	76	80	82	83	85	85	85	83	82	81	76	76	74	73	75	76	76	76	76	75	74	72	71	70	65	54	34	94
294/176	6/22	50 cal Blank	60	T1767	9			68	69	74	73	77	79	80	83	84	87	87	87	84	83	83	79	77	76	75	76	77	77	78	77	76	75	74	71	70	65	55	34	95
294/176	6/22	50 cal Blank	60	T1768	3	69		66	69	69	74	77	79	80	82	84	91	102	103	91	86	84	83	80	81	85	78	74	74	71	74	68	65	63	62	58	52	44	38	106
294/176	6/22	50 cal Blank	60	T1768	9	61	56	71	72	76	74	78	81	81	84	86	94	104	104	92	88	87	85	81	82	87	79	74	75	73	76	70	67	65	63	60	55	45		108
294/176	6/22	50 cal Blank	30	T1772	1	66	71	75	67	67	74	76	78	78	79	82	86	100	111	95	88	86	92	96	84	90	85	80	77	76	75	74	71	69	66	63	62	58	49	112
294/176	6/22	50 cal Blank	30	T1772	6	75	72	74	74	72	75	78	78	79	79	83	89	100	111	95	89	86	92	96	84	90	84	79	77	77	75	73	70	69	66	64	63	59	50	111
294/176	6/22	50 cal Blank	30	T1774	1	67		66	64	75	75	78	78	81	84	87	88	88	87	87	86	87	83	80	82	79	80	80	80	81	82	82	81	80	77	76	73	70	65	98
294/176	6/22	50 cal Blank	30	T1774	6	66		75	72	76	76	78	80	83	85	87	89	87	88	87	86	86	84	81	82	80	81	81	81	82	82	82	81	80	78	77	73	70	63	98
294/176	6/22	50 cal Blank	60	T1775	2	55		64	69	73	72	76	79	81	85	87	88	88	85	84	83	81	76	74	74	74	75	76	78	78	79	77	74	72	71	69	65	60	52	96

294/176	6/22	50 cal Blank	60	T1775	7			60	63	66	68	71	71	75	78	80	81	81	78	77	77	75	68	67	67	68	70	71	72	72	73	72	68	65	64	62	57	53	46	89
294/176	6/22	50 cal Blank	60	T1775	24	67		67	68	75	73	77	80	82	85	88	88	89	86	83	84	81	76	74	74	75	76	79	79	79	81	80	77	74	72	70	66	63	57	96
294/176.	6/22	50 cal Blank	60	T1776	2	56	56	68	72	77	73	76	78	80	82	86	90	100	111	94	87	86	90	92	82	82	77	76	75	76	74	72	69	67	62	61	60	54	46	111
294/176	6/22	50 cal Blank	60	T1776	7	59	68	69	69	68	70	70	71	73	75	78	82	94	104	87	81	79	84	86	76	76	71	70	68	69	69	65	63	59	52	51	50	42		105
294/176	6/22	50 cal Blank	60	T1776	24	72	65	74	74	77	75	78	79	81	83	86	91	102	111	95	88	86	91	93	82	83	76	78	75	76	76	74	70	67	62	61	59	52	46	112
294/176	6/22	50 cal Blank	30	T1779	2		60	74	73	74	79	77	77	78	81	85	88	92	108	104	93	89	87	95	87	89	84	85	81	80	78	79	76	72	70	68	64	59	53	110
294/176	6/22	50 cal Blank	30	T1779	8		62	70	66	71	75	77	75	75	80	84	86	91	105	103	93	88	85	92	85	86	82	82	80	80	79	80	78	73	70	67	64	60	54	108
294/176	6/22	50 cal Blank	30	T1781	2	67		76	72	77	79	80	82	85	87	91	91	90	88	88	89	90	86	82	84	80	82	82	83	84	82	81	79	77	76	74	71	67	60	100
294/176	6/22	50 cal Blank	30	T1781	7			72	72	76	77	79	80	83	86	89	89	89	87	86	88	87	84	80	83	78	80	81	81	82	82	81	78	77	75	73	70	67	61	98
294/176	6/22	50 cal Blank	60	T1783	2			67	62	72	74	75	78	80	84	86	87	85	84	82	81	80	74	74	74	73	72	75	74	75	74	72	71	69	66	63	57	52		94
294/176	6/22	50 cal Blank	60	T1783	6	62	58	70	63	74	76	78	80	83	85	87	88	86	85	83	83	81	76	76	77	75	74	75	75	76	76	73	72	70	68	65	58	54		96
294/176	6/22	50 cal Blank	60	T1784	3	63	59	66	69	70	74	75	76	78	81	83	87	92	104	102	89	85	83	87	81	79	78	76	75	76	74	75	72	66	62	56	53	47	40	107
294/176	6/22	50 cal Blank	60	T1784	6			67	66	73	74	75	75	77	80	82	86	92	106	103	89	85	84	89	81	79	77	76	74	75	73	74	71	65	61	57	54	47	38	108
296	6/7	50 cal Blank	15	T1563	5	75	67	81	84	86	88	88	87	86	87	91	96	106	117	105	96	98	97	101	104	97	100	96	92	92	91	90	89	86	83	79	76	68	47	118
296	6/7	50 cal Blank	30	T1564	4	80		77	80	83	83	82	79	77	83	86	90	97	113	99	90	93	89	99	96	92	92	88	85	85	83	85	82	78	75	70	66	56	45	114
296	6/7	50 cal Blank	30	T1564	8	81	71	79	85	84	87	85	82	80	85	86	92	100	115	100	91	96	91	101	98	94	94	91	88	86	86	86	85	80	75	72	68	58	41	116
296	6/7	50 cal Blank	15	T1566	5	65		76	74	70	76	77	79	82	82	84	84	86	91	93	89	85	85	85	90	92	95	96	98	99	98	95	95	97	95	96	95	87	61	108
296	6/7	50 cal Blank	30	T1567	4	69		59	71		72	70	69	76	73	75	78	74	78	78	78	72	76	79	81	84	88	91	90	90	90	88	88	87	84	86	81	74	48	99
296	6/7	50 cal Blank	30	T1567	8			69	64		72	72	64	74	75	77	78	76	81	81	80	76	77	81	83	85	90	93	93	91	91	88	87	86	84	83	80	71	50	100
296	6/7	50 cal Blank	60	T1568	3	62		63	52		61	62		65	64	64	67	66	68	66	63	60	67	71	72	74	76	79	78	76	75	74	73	72	68	64	58	49	34	86
296	6/7	50 cal Blank	60	T1568	8				64		62	61		64	65	65	68	67	69	68	62	60	68	72	73	75	77	79	79	78	76	74	73	72	68	65	58	48	34	87
296	6/7	50 cal Blank	60	T1569	3	78	77	73	72	72	71	74	76	78	80	84	88	95	105	94	85	84	83	85	95	84	83	82	81	80	78	78	78	71	63	63	57	49	37	107
296	6/7	50 cal Blank	60	T1569	8	67	66	72	67	73	73	75	77	79	82	86	90	97	106	95	86	86	83	85	97	86	85	84	80	79	78	79	78	69	62	59	54	49		107
296	6/7	50 cal Blank	30	T1574	2			69	74	71	72	73	76	81	81	92	102	103	91	86	83	87	84	83	81	81	85	80	78	74	72	70	71	71	67	60	58	51		106
296	6/7	50 cal Blank	30	T1574	9	64		70	76	72	77	74	75	82	81	91	102	103	91	86	83	87	84	83	81	82	85	81	78	74	70	69	71	70	66	62	58	52		107
296	6/7	50 cal Blank	15	T1575	3	68	63	74	77	76	79	79	81	83	87	92	106	105	91	88	85	91	90	91	86	86	89	85	83	79	75	73	76	76	72	70	67	61		109
296	6/7	50 cal Blank	15	T1575	7	73		75	79	77	79	81	84	85	89	94	108	105	93	90	86	92	92	93	88	87	90	86	85	80	76	75	78	77	75	72	68	63		110
296	6/7	50 cal Blank	30	T1577	3	66		57			71	66	63	71	73	75	75	74	74	78	76	69	75	76	81	83	84	84	86	84	87	88	85	82	83	82	79	71	45	96
296	6/7	50 cal Blank	30	T1577	8			57			67	66	68	72	72	73	74	73	75	76	74	69	74	75	79	81	81	83	86	84	86	87	87	86	87	83	81	73	46	96

296	6/7	50 cal Blank	15	T1578	3	67		71	72	60	70	72	73	76	77	77	77	77	80	82	82	77	78	82	84	86	88	92	92	92	89	90	88	87	90	88	87	81	56	101
296	6/7	50 cal Blank	15	T1578	7	63		72	72	70	71	74	75	77	79	79	79	79	81	84	85	80	81	84	86	87	90	93	92	92	93	93	91	90	92	91	90	82	57	103
296	6/7	50 cal Blank	60	T1580	3	65		65	63		64	61	52	65	66	67	70	68	63	68	68	64	70	72	74	77	78	79	79	78	76	76	74	71	69	64	55	48		88
296	6/7	50 cal Blank	60	T1580	7	55	55	52	52		64	58	49	68	67	67	70	67	61	67	66	62	69	70	73	76	77	78	78	77	76	75	73	71	69	65	56	48		87
296	6/7	50 cal Blank	60	T1581	2	56		68	67	72	73	75	78	82	87	92	103	100	87	82	80	75	79	83	81	83	91	85	80	76	70	70	73	75	72	64	63	53		105
296	6/7	50 cal Blank	60	T1581	7	64		71	71	72	74	76	78	82	87	92	103	101	87	82	80	76	78	81	80	82	90	86	81	75	71	71	71	71	69	61	60	51	35	106

Table D 5. Summary data for passive small caliber live fire noise on Fort Stewart, GA, 2000. RCW response 0 = no visible response, 1 = alert to cavity mouth, and 2 = flush from cavity.

Cluster	Date	Nesting Phase & Day	Event Type	Event Dist. (m)	RCW Resp.	Recovery time (min)	Remarks	Mic Pos.	File #	Spec. #	SEL (dB) at mic Flat	A
36	10-May-00	I-8	50 cal live	1000-2000	0			Base	T548	4	64.7	45.3
36	10-May-00	I-8	50 cal live	1000-2000	0			Base	T548	9	62.6	44.8
36	10-May-00	I-8	50 cal live	1000-2000	0			Base	T548	14	63.0	45.3
36	10-May-00	I-8	50 cal live	1000-2000	0			Base	T548	24	62.2	44.0
36	10-May-00	I-8	50 cal live	1000-2000	0			Base	T548	27	62.7	45.0
39	23-May-00		50 cal live	5000-6000				Base	T1354	3	69.2	56.9
39	23-May-00		50 cal live	5000-6000				Base	T1355	3	69.6	59.6
39	23-May-00		50 cal live	5000-6000				Base	T1356	2	74.5	63.0
39	23-May-00		50 cal live	5000-6000				Base	T1356	8	74.5	62.8
39	23-May-00		50 cal live	5000-6000				Base	T1356	17	75.3	63.5
39	23-May-00		50 cal live	5000-6000				Base	T1356	25	75.0	63.1
39	23-May-00		50 cal live	5000-6000				Base	T1357	3	70.4	60.2
39	23-May-00		50 cal live	5000-6000				Base	T1357	23	67.2	55.3
39	27-May-00		50 cal live	5000-6000				Base	T1256	14	58.1	45.3
39	27-May-00		50 cal live	5000-6000				Base	T1258	2	58.5	41.3
39	27-May-00		50 cal live	5000-6000				Base	T1258	13	60.5	46.0
39	27-May-00		50 cal live	5000-6000				Base	T1258	17	61.1	46.1
48	13-Apr-00	Pre-nesting	50 cal live	1700-2500					T479	5	69.7	57.1
48	13-Apr-00	Pre-nesting	50 cal live	1700-2500					T486	9	81.5	63.7
48	02-May-00	I-6	50 cal live	2000-2500	0			Base	T907	2	62.0	51.5
48	02-May-00	I-6	50 cal live	2000-2500	0			Base	T907	13	61.1	51.4
48	02-May-00	I-6	50 cal live	2000-2500	0			Base	T907	24	60.8	49.4
48	04-May-00	I-8	50 cal live	2000-2500	0			Base	T1247	3	72.5	60.9
48	04-May-00	I-8	50 cal live	2000-2500	0			Base	T1247	8	71.0	60.8
48	04-May-00	I-8	50 cal live	2000-2500	0			Base	T1247	10	65.8	55.2
48	04-May-00	I-8	50 cal live	2000-2500	0			Base	T1247	26	69.4	59.5
48	04-May-00	I-8	50 cal live	2000-2500	0			Base	T1248	11	78.0	66.9
51	18-May-00	I-9	M-16 live	700-1000	0			Base	T886	7	66.0	59.4
51	18-May-00	I-9	M-16 live	700-1000	0			Base	T888	17	72.0	56.4
71	24-May-00	N-17	50 cal live	1000-2000				Base	T10	11	67.2	40.4
71	24-May-00	N-17	50 cal live	1000-2000				Base	T10	16	75.3	52.5
71	24-May-00	N-17	50 cal live	1000-2000				Base	T10	24	69.9	50.3
99	23-May-00		50 cal live	4400-5000				Base	T1364	4	69.1	54.5
99	23-May-00		50 cal live	4400-5000				Base	T1365	3	71.6	56.8

99	28-May-00	N-22	50 cal live	4400-5000					Base	T504	5	71.9	54.7
99	28-May-00	N-22	50 cal live	4400-5000					Base	T504	9	68.6	50.0
99	28-May-00	N-22	50 cal live	4400-5000					Base	T504	14	72.2	56.0
103	03-May-00	I-6	M-16 live	200-430	2				Base	T600	6	89.3	89.8
103	03-May-00	I-6	M-16 live	200-430	2				Base	T600	17	86.1	86.6
103	03-May-00	I-6	M-16 live	200-430	2				Base	T600	27	78.1	74.3
103	03-May-00	I-6	M-16 live	200-430	0				Base	T601	4	86.4	86.8
103	03-May-00	I-6	M-16 live	200-430	0				Base	T601	18	77.2	70.7
103	03-May-00	I-6	M-16 live	200-430	0				Base	T602	7	86.7	87.0
103	03-May-00	I-6	M-16 live	200-430	0				Base	T602	16	82.6	82.2
103	03-May-00	I-6	M-16 live	200-430	0				Base	T602	26	85.8	86.2
103	03-May-00	I-6	M-16 live	200-430	0				Base	T603	4	85.9	86.2
103	03-May-00	I-6	M-16 live	200-430	0				Base	T603	17	86.4	86.7
103	03-May-00	I-6	M-16 live	200-430	0				Base	T603	30	86.6	86.6
103	03-May-00	I-6	M-16 live	200-430	0				Base	T604	5	85.9	86.1
103	03-May-00	I-6	M-16 live	200-430	0				Base	T604	8	75.4	68.2
103	03-May-00	I-6	M-16 live	200-430	0				Base	T604	14	74.2	65.6
103	03-May-00	I-6	M-16 live	200-430	0				Base	T604	25	88.7	88.7
103	03-May-00	I-6	M-16 live	200-430	0				Base	T605	5	78.4	71.7
103	03-May-00	I-6	M-16 live	200-430	0				Base	T605	16	79.0	71.1
103	03-May-00	I-6	M-16 live	200-430	0				Base	T605	25	77.6	72.3
103	03-May-00	I-6	M-16 live	200-430	0				Base	T605	28	76.1	74.6
103	03-May-00	I-6	M-16 live	200-430	0				Base	T606	4	84.9	84.9
103	03-May-00	I-6	M-16 live	200-430	0				Base	T606	17	78.8	70.8
103	03-May-00	I-6	M-16 live	200-430	0				Base	T606	30	79.4	70.8
103	03-May-00	I-6	M-16 live	200-430	0				Base	T607	8	82.0	76.4
103	03-May-00	I-6	M-16 live	200-430	0				Base	T607	23	81.3	73.5
103	03-May-00	I-6	M-16 live	200-430	0				Base	T608	11	88.6	88.5
103	03-May-00	I-6	M-16 live	200-430	0				Base	T608	24	80.4	74.8
103	03-May-00	I-6	M-16 live	200-430	0				Base	T609	6	79.2	73.0
103	03-May-00	I-6	M-16 live	200-430	0				Base	T609	8	68.7	60.3
103	03-May-00	I-6	M-16 live	200-430	0				Base	T609	15	72.1	61.7
103	03-May-00	I-6	M-16 live	200-430	0				Base	T609	19	74.1	66.2
103	03-May-00	I-6	M-16 live	200-430	0				Base	T609	22	72.2	64.7
103	03-May-00	I-6	M-16 live	200-430	0				Base	T610	7	81.1	76.3
103	03-May-00	I-6	M-16 live	200-430	0				Base	T610	10	72.7	64.9
103	03-May-00	I-6	M-16 live	200-430	0				Base	T610	14	72.4	62.9
103	03-May-00	I-6	M-16 live	200-430	0				Base	T610	24	81.3	74.1
103	03-May-00	I-6	M-16 live	200-430	0				Base	T611	8	88.3	88.0
103	03-May-00	I-6	M-16 live	200-430	0				Base	T611	21	79.8	72.8
103	03-May-00	I-6	M-16 live	200-430	0				Base	T612	9	77.0	70.8
103	03-May-00	I-6	M-16 live	200-430	0				Base	T612	13	76.2	69.9

103	03-May-00	I-6	M-16 live	200-430	0			Base	T612	22	85.2	85.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T613	3	74.1	69.8
103	03-May-00	I-6	M-16 live	200-430	0			Base	T613	12	80.5	80.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T613	19	71.2	70.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T614	9	86.8	87.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T614	17	70.1	67.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T615	4	81.5	80.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T615	16	77.4	70.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T615	26	84.3	84.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T616	6	77.4	70.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T616	19	78.1	71.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T617	8	79.6	72.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T617	17	87.4	87.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T617	29	79.4	72.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T618	5	77.9	71.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T618	17	78.7	71.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T619	9	83.0	78.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T619	22	80.6	73.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T620	10	84.5	81.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T620	23	80.7	73.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T621	3	80.4	78.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T621	17	84.1	83.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T622	5	86.0	85.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T622	18	79.4	71.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T623	6	79.4	71.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T623	21	86.7	85.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T624	9	83.0	77.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T624	27	83.1	78.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T625	8	89.1	89.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T625	20	90.0	90.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T626	8	79.0	70.8
103	03-May-00	I-6	M-16 live	200-430	0			Base	T626	26	82.8	75.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T627	9	80.9	73.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T627	25	81.1	76.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T628	11	84.1	83.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T629	2	69.2	60.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T629	7	70.8	67.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T629	11	71.7	70.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T629	22	74.8	72.5

103	03-May-00	I-6	M-16 live	200-430	0			Base	T630	3	70.8	67.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T630	12	73.2	69.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T630	21	81.1	81.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T631	3	71.0	64.8
103	03-May-00	I-6	M-16 live	200-430	0			Base	T631	15	76.3	72.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T631	22	75.0	69.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T632	2	70.7	63.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T632	10	71.5	66.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T632	14	70.5	66.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T633	3	83.7	84.3
103	03-May-00	I-6	M-16 live	200-430	0			Base	T633	26	74.6	65.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T634	5	87.3	87.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T634	16	78.2	69.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T634	26	83.8	83.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T635	5	78.7	70.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T635	17	77.2	68.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T635	21	86.4	87.3
103	03-May-00	I-6	M-16 live	200-430	0			Base	T636	6	85.7	86.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T636	17	78.8	74.3
103	03-May-00	I-6	M-16 live	200-430	0			Base	T636	29	78.1	69.8
103	03-May-00	I-6	M-16 live	200-430	0			Base	T637	6	78.9	70.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T637	16	77.6	69.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T637	30	84.3	83.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T638	2	79.7	78.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T638	17	81.2	73.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T639	9	82.1	77.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T639	21	77.9	70.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T640	5	78.5	69.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T640	17	91.6	92.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T641	5	88.2	88.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T641	16	77.0	69.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T642	6	78.4	70.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T642	20	84.9	84.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T643	3	76.6	67.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T643	9	79.0	70.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T643	27	82.3	77.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T644	7	92.1	92.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T644	24	79.1	70.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T645	3	75.6	66.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T645	5	70.5	61.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T645	24	88.5	88.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T646	9	80.9	74.7

103	03-May-00	I-6	M-16 live	200-430	0			Base	T646	26	80.6	75.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T647	9	83.5	82.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T648	1	71.5	61.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T648	10	70.1	59.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T648	18	71.3	60.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T649	2	70.9	61.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T649	11	70.0	61.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T649	21	73.5	64.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T650	4	73.9	65.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T650	11	69.6	59.3
103	03-May-00	I-6	M-16 live	200-430	0			Base	T650	14	71.9	61.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T650	22	71.4	62.3
103	03-May-00	I-6	M-16 live	200-430	0			Base	T651	5	82.3	78.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T651	18	79.8	71.3
103	03-May-00	I-6	M-16 live	200-430	0			Base	T651	26	81.7	79.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T652	4	79.9	71.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T652	19	80.5	72.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T653	7	79.6	71.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T653	16	87.1	87.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T653	28	80.0	72.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T654	7	79.9	71.3
103	03-May-00	I-6	M-16 live	200-430	0			Base	T654	19	84.0	82.8
103	03-May-00	I-6	M-16 live	200-430	0			Base	T655	9	84.8	81.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T655	26	86.4	83.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T656	10	87.9	87.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T656	22	81.6	75.3
103	03-May-00	I-6	M-16 live	200-430	0			Base	T657	6	80.9	73.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T657	18	82.8	79.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T658	6	79.4	74.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T658	19	80.3	72.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T659	6	80.5	72.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T659	20	83.0	78.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T660	10	86.0	84.8
103	03-May-00	I-6	M-16 live	200-430	0			Base	T660	13	73.1	63.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T660	28	90.4	90.3
103	03-May-00	I-6	M-16 live	200-430	0			Base	T661	6	83.5	82.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T661	9	72.9	65.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T661	22	80.2	70.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T661	25	69.4	59.1

103	03-May-00	I-6	M-16 live	200-430	0			Base	T662	7	79.7	73.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T662	24	86.4	86.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T663	10	82.5	76.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T663	12	70.1	61.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T663	26	79.7	70.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T664	10	83.1	79.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T665	7	89.7	90.3
103	03-May-00	I-6	M-16 live	200-430	0			Base	T665	15	87.6	87.9
103	03-May-00	I-6	M-16 live	200-430	0			Base	T665	24	89.1	89.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T666	6	91.6	92.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T666	13	90.8	91.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T666	16	75.6	74.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T666	24	86.4	86.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T667	5	77.4	73.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T667	10	72.1	63.8
103	03-May-00	I-6	M-16 live	200-430	0			Base	T667	13	73.4	65.6
103	03-May-00	I-6	M-16 live	200-430	0			Base	T667	20	73.8	67.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T667	23	82.1	82.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T668	4	77.6	75.1
103	03-May-00	I-6	M-16 live	200-430	0			Base	T668	11	71.6	62.4
103	03-May-00	I-6	M-16 live	200-430	0			Base	T669	4	82.8	82.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T669	11	81.6	82.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T669	20	84.4	85.2
103	03-May-00	I-6	M-16 live	200-430	0			Base	T669	22	69.1	62.0
103	03-May-00	I-6	M-16 live	200-430	0			Base	T669	28	85.0	85.7
103	03-May-00	I-6	M-16 live	200-430	0			Base	T670	2	79.4	79.5
103	03-May-00	I-6	M-16 live	200-430	0			Base	T670	13	81.3	81.8
103	05-May-00	I-8	M-16	200-430	0			Base	T99	3	81.7	81.9
103	05-May-00	I-8	M-16	200-430	0			Base	T99	13	74.3	65.2
103	05-May-00	I-8	M-16	200-430	0			Base	T99	24	74.0	65.3
103	05-May-00	I-8	M-16	200-430	0			Base	T100	3	74.1	65.2
103	05-May-00	I-8	M-16	200-430	0			Base	T100	15	71.0	61.8
103	05-May-00	I-8	M-16	200-430	0			Base	T100	27	70.7	62.6
103	05-May-00	I-8	M-16	200-430	0			Base	T100	29	71.5	62.6
103	05-May-00	I-8	M-16	200-430	0			Base	T101	3	79.0	78.3
103	05-May-00	I-8	M-16	200-430	0			Base	T101	11	71.7	59.2
103	05-May-00	I-8	M-16	200-430	0			Base	T101	13	72.2	62.9
103	05-May-00	I-8	M-16	200-430	0			Base	T101	24	71.1	60.8
103	05-May-00	I-8	M-16	200-430	0			Base	T101	26	72.0	63.3
103	05-May-00	I-8	M-16	200-430	0			Base	T102	4	75.0	68.2
103	05-May-00	I-8	M-16	200-430	0			Base	T102	15	75.1	68.5
103	05-May-00	I-8	M-16	200-430	0			Base	T102	18	70.8	60.8

103	05-May-00	I-8	M-16	200-430	0			Base	T103	2	75.0	66.2
103	05-May-00	I-8	M-16	200-430	0			Base	T103	5	75.7	65.5
103	05-May-00	I-8	M-16	200-430	0			Base	T103	17	82.2	82.2
103	05-May-00	I-8	M-16	200-430	0			Base	T103	21	71.2	62.2
103	05-May-00	I-8	M-16	200-430	0			Base	T104	1	70.2	62.1
103	05-May-00	I-8	M-16	200-430	0			Base	T104	3	71.8	62.6
103	05-May-00	I-8	M-16	200-430	0			Base	T104	13	73.5	66.1
103	05-May-00	I-8	M-16	200-430	0			Base	T105	4	71.7	61.7
103	05-May-00	I-8	M-16	200-430	0			Base	T105	8	68.9	57.1
103	05-May-00	I-8	M-16	200-430	0			Base	T105	11	68.1	55.9
103	05-May-00	I-8	M-16	200-430	0			Base	T105	15	69.0	59.2
103	05-May-00	I-8	M-16	200-430	0			Base	T105	18	70.2	59.3
103	05-May-00	I-8	M-16	200-430	0			Base	T105	23	68.4	56.5
103	05-May-00	I-8	M-16	200-430	0			Base	T106	24	74.5	67.6
103	05-May-00	I-8	M-16	200-430	0			Base	T107	2	74.5	66.7
103	05-May-00	I-8	M-16	200-430	0			Base	T107	15	74.1	67.3
103	05-May-00	I-8	M-16	200-430	0			Base	T108	2	73.9	65.9
103	05-May-00	I-8	M-16	200-430	0			Base	T108	6	74.8	67.6
103	05-May-00	I-8	M-16	200-430	0			Base	T108	17	75.5	68.2
103	05-May-00	I-8	M-16	200-430	0			Base	T108	20	75.2	68.2
103	05-May-00	I-8	M-16	200-430	0			Base	T108	25	72.2	64.8
103	05-May-00	I-8	M-16	200-430	0			Base	T109	3	71.6	66.9
103	05-May-00	I-8	M-16	200-430	0			Base	T109	8	78.0	76.5
103	05-May-00	I-8	M-16	200-430	0			Base	T109	18	76.8	76.2
103	05-May-00	I-8	M-16	200-430	0			Base	T109	24	79.1	74.6
103	05-May-00	I-8	M-16	200-430	0			Base	T110	3	69.3	59.4
103	05-May-00	I-8	M-16	200-430	0			Base	T110	7	76.8	70.2
103	05-May-00	I-8	M-16	200-430	0			Base	T110	16	67.6	56.6
103	05-May-00	I-8	M-16	200-430	0			Base	T110	18	66.9	57.2
103	05-May-00	I-8	M-16	200-430	0			Base	T111	3	74.5	68.3
103	05-May-00	I-8	M-16	200-430	0			Base	T111	7	67.0	58.8
103	05-May-00	I-8	M-16	200-430	0			Base	T111	10	67.3	57.2
103	05-May-00	I-8	M-16	200-430	0			Base	T111	13	79.0	77.5
103	05-May-00	I-8	M-16	200-430	0			Base	T111	17	75.0	67.4
103	05-May-00	I-8	M-16	200-430	0			Base	T112	3	76.0	69.1
103	05-May-00	I-8	M-16	200-430	0			Base	T112	5	71.6	65.5
103	05-May-00	I-8	M-16	200-430	0			Base	T112	7	72.8	65.0
103	05-May-00	I-8	M-16	200-430	0			Base	T112	19	75.8	70.6
103	05-May-00	I-8	M-16	200-430	0			Base	T113	4	72.1	64.3

103	05-May-00	I-8	M-16	200-430	0			Base	T113	8	76.2	72.3
103	05-May-00	I-8	M-16	200-430	0			Base	T114	2	69.7	62.9
103	05-May-00	I-8	M-16	200-430	0			Base	T114	12	72.5	70.2
103	05-May-00	I-8	M-16	200-430	0			Base	T114	19	70.5	62.5
103	05-May-00	I-8	M-16	200-430	0			Base	T114	26	71.3	65.3
103	05-May-00	I-8	M-16	200-430	0			Base	T115	3	69.7	62.5
103	05-May-00	I-8	M-16	200-430	0			Base	T115	12	70.3	62.1
103	05-May-00	I-8	M-16	200-430	0			Base	T115	21	72.3	68.9
103	05-May-00	I-8	M-16	200-430	0			Base	T116	3	72.6	70.3
103	05-May-00	I-8	M-16	200-430	0			Base	T116	10	72.9	71.5
103	05-May-00	I-8	M-16	200-430	0			Base	T116	19	70.2	63.7
103	05-May-00	I-8	M-16	200-430	0			Base	T117	2	76.8	76.9
103	05-May-00	I-8	M-16	200-430	0			Base	T117	12	71.0	66.6
103	05-May-00	I-8	M-16	200-430	0			Base	T117	20	70.7	66.1
103	05-May-00	I-8	M-16	200-430	0			Base	T118	3	72.5	70.0
103	05-May-00	I-8	M-16	200-430	0			Base	T118	11	74.1	72.8
103	05-May-00	I-8	M-16	200-430	0			Base	T118	21	75.5	74.4
103	05-May-00	I-8	M-16	200-430	0			Base	T119	3	73.0	67.0
103	05-May-00	I-8	M-16	200-430	0			Base	T119	13	74.3	67.8
103	05-May-00	I-8	M-16	200-430	0			Base	T119	17	67.2	55.0
103	05-May-00	I-8	M-16	200-430	0			Base	T119	19	70.4	59.4
103	05-May-00	I-8	M-16	200-430	0			Base	T119	22	67.9	55.8
103	05-May-00	I-8	M-16	200-430	0			Base	T119	27	66.4	57.8
103	05-May-00	I-8	M-16	200-430	0			Base	T120	4	74.1	70.7
103	05-May-00	I-8	M-16	200-430	0			Base	T121	3	66.1	56.9
103	05-May-00	I-8	M-16	200-430	0			Base	T121	13	69.6	59.6
103	05-May-00	I-8	M-16	200-430	0			Base	T121	18	66.9	56.5
103	05-May-00	I-8	M-16	200-430	0			Base	T121	25	68.0	56.2
103	05-May-00	I-8	M-16	200-430	0			Base	T121	27	67.3	55.9
103	05-May-00	I-8	M-16	200-430	0			Base	T122	2	66.5	55.1
103	05-May-00	I-8	M-16	200-430	0			Base	T122	5	68.8	58.2
103	05-May-00	I-8	M-16	200-430	0			Base	T123	2	67.6	58.7
103	05-May-00	I-8	M-16	200-430	0			Base	T123	9	68.9	59.7
103	05-May-00	I-8	M-16	200-430	0			Base	T123	14	69.0	59.0
103	05-May-00	I-8	M-16	200-430	0			Base	T123	19	68.3	56.3
103	05-May-00	I-8	M-16	200-430	0			Base	T123	22	70.8	59.9
103	05-May-00	I-8	M-16	200-430	0			Base	T123	24	67.9	56.0
103	05-May-00	I-8	M-16	200-430	0			Base	T124	1	66.3	57.2
103	05-May-00	I-8	M-16	200-430	0			Base	T125	2	71.2	63.0
103	05-May-00	I-8	M-16	200-430	0			Base	T125	14	72.6	63.0
103	05-May-00	I-8	M-16	200-430	0			Base	T125	18	69.1	59.1
103	05-May-00	I-8	M-16	200-430	0			Base	T125	20	68.1	57.9

103	05-May-00	I-8	M-16	200-430	0			Base	T125	24	69.6	59.6
103	05-May-00	I-8	M-16	200-430	0			Base	T126	7	83.9	82.0
103	05-May-00	I-8	M-16	200-430	0			Base	T126	12	71.9	69.0
103	05-May-00	I-8	M-16	200-430	0			Base	T126	19	80.5	77.0
103	05-May-00	I-8	M-16	200-430	0			Base	T126	23	70.8	63.0
103	05-May-00	I-8	M-16	200-430	0			Base	T126	28	70.2	63.3
103	05-May-00	I-8	M-16	200-430	0			Base	T127	5	84.0	83.7
103	05-May-00	I-8	M-16	200-430	0			Base	T127	15	81.3	79.9
103	05-May-00	I-8	M-16	200-430	0			Base	T127	17	69.4	63.2
103	05-May-00	I-8	M-16	200-430	0			Base	T127	27	79.9	79.0
103	05-May-00	I-8	M-16	200-430	0			Base	T128	4	80.6	78.4
103	05-May-00	I-8	M-16	200-430	0			Base	T128	14	82.4	81.6
103	05-May-00	I-8	M-16	200-430	0			Base	T128	26	82.6	81.2
103	05-May-00	I-8	M-16	200-430	0			Base	T128	28	73.1	70.8
103	05-May-00	I-8	M-16	200-430	0			Base	T129	4	82.2	79.9
103	05-May-00	I-8	M-16	200-430	0			Base	T129	15	80.3	78.3
103	05-May-00	I-8	M-16	200-430	0			Base	T130	8	84.0	81.8
103	05-May-00	I-8	M-16	200-430	0			Base	T130	18	79.5	76.6
103	05-May-00	I-8	M-16	200-430	0			Base	T130	24	81.0	76.8
103	05-May-00	I-8	M-16	200-430	0			Base	T131	0	80.4	79.0
103	05-May-00	I-8	M-16	200-430	0			Base	T131	8	81.8	80.3
103	05-May-00	I-8	M-16	200-430	0			Base	T131	11	70.1	62.2
103	05-May-00	I-8	M-16	200-430	0			Base	T131	19	77.8	72.5
103	05-May-00	I-8	M-16	200-430	0			Base	T132	4	77.5	72.7
103	05-May-00	I-8	M-16	200-430	0			Base	T132	9	70.8	67.4
103	05-May-00	I-8	M-16	200-430	0			Base	T132	17	82.2	79.6
103	05-May-00	I-8	M-16	200-430	0			Base	T133	6	69.5	59.7
103	05-May-00	I-8	M-16	200-430	0			Base	T133	9	67.0	56.0
103	05-May-00	I-8	M-16	200-430	0			Base	T133	12	64.9	53.7
103	05-May-00	I-8	M-16	200-430	0			Base	T133	14	66.2	54.5
103	05-May-00	I-8	M-16	200-430	0			Base	T133	19	70.8	59.8
103	05-May-00	I-8	M-16	200-430	0			Base	T133	28	67.4	56.7
103	05-May-00	I-8	M-16	200-430	0			Base	T134	1	68.4	56.3
103	05-May-00	I-8	M-16	200-430	0			Base	T135	5	79.3	75.7
103	05-May-00	I-8	M-16	200-430	0			Base	T135	16	77.3	71.8
103	05-May-00	I-8	M-16	200-430	0			Base	T135	19	70.2	65.2
103	05-May-00	I-8	M-16	200-430	0			Base	T136	3	78.2	76.4
103	05-May-00	I-8	M-16	200-430	0			Base	T136	7	74.6	69.7
103	05-May-00	I-8	M-16	200-430	0			Base	T136	20	80.6	74.9

103	05-May-00	I-8	M-16	200-430	0			Base	T137	3	76.4	71.6
103	05-May-00	I-8	M-16	200-430	0			Base	T137	7	77.0	72.0
103	05-May-00	I-8	M-16	200-430	0			Base	T137	11	75.2	75.1
103	05-May-00	I-8	M-16	200-430	0			Base	T137	24	82.4	80.4
103	05-May-00	I-8	M-16	200-430	0			Base	T138	6	79.0	74.4
103	05-May-00	I-8	M-16	200-430	0			Base	T138	18	76.6	69.9
103	05-May-00	I-8	M-16	200-430	0			Base	T138	21	75.6	68.3
103	05-May-00	I-8	M-16	200-430	0			Base	T139	2	69.0	59.0
103	05-May-00	I-8	M-16	200-430	0			Base	T139	6	74.3	68.2
103	05-May-00	I-8	M-16	200-430	0			Base	T139	20	82.7	81.2
103	05-May-00	I-8	M-16	200-430	0			Base	T139	23	74.7	70.1
103	05-May-00	I-8	M-16	200-430	0			Base	T140	2	76.5	68.8
103	05-May-00	I-8	M-16	200-430	0			Base	T140	7	75.9	68.2
103	05-May-00	I-8	M-16	200-430	0			Base	T140	11	68.8	59.9
103	05-May-00	I-8	M-16	200-430	0			Base	T140	20	74.9	65.9
103	05-May-00	I-8	M-16	200-430	0			Base	T140	23	74.5	65.7
103	05-May-00	I-8	M-16	200-430	0			Base	T141	7	79.6	76.7
103	05-May-00	I-8	M-16	200-430	0			Base	T142	2	66.0	52.7
103	05-May-00	I-8	M-16	200-430	0			Base	T142	4	67.4	56.0
103	05-May-00	I-8	M-16	200-430	0			Base	T142	9	66.6	53.6
103	05-May-00	I-8	M-16	200-430	0			Base	T142	16	67.4	55.5
103	05-May-00	I-8	M-16	200-430	0			Base	T142	18	64.4	53.6
103	05-May-00	I-8	M-16	200-430	0			Base	T143	2	67.5	55.4
103	05-May-00	I-8	M-16	200-430	0			Base	T143	6	66.6	53.8
103	05-May-00	I-8	M-16	200-430	0			Base	T143	9	69.9	57.9
103	05-May-00	I-8	M-16	200-430	0			Base	T144	5	76.9	71.5
103	05-May-00	I-8	M-16	200-430	0			Base	T144	13	76.6	72.6
103	05-May-00	I-8	M-16	200-430	0			Base	T144	20	77.2	75.9
103	05-May-00	I-8	M-16	200-430	0			Base	T144	25	71.8	68.6
103	05-May-00	I-8	M-16	200-430	0			Base	T145	4	77.7	76.8
103	05-May-00	I-8	M-16	200-430	0			Base	T145	13	76.0	72.4
103	05-May-00	I-8	M-16	200-430	0			Base	T145	16	73.1	71.5
103	05-May-00	I-8	M-16	200-430	0			Base	T145	23	77.7	74.5
103	05-May-00	I-8	M-16	200-430	0			Base	T146	3	75.2	72.1
103	05-May-00	I-8	M-16	200-430	0			Base	T146	12	81.4	81.5
103	05-May-00	I-8	M-16	200-430	0			Base	T146	21	74.5	69.9
103	05-May-00	I-8	M-16	200-430	0			Base	T147	4	73.3	70.9
103	05-May-00	I-8	M-16	200-430	0			Base	T147	13	81.5	81.0
103	05-May-00	I-8	M-16	200-430	0			Base	T147	22	78.2	75.2
103	05-May-00	I-8	M-16	200-430	0			Base	T148	2	72.2	66.1
103	05-May-00	I-8	M-16	200-430	0			Base	T148	10	72.9	68.4
103	05-May-00	I-8	M-16	200-430	0			Base	T148	19	71.5	62.7

103	05-May-00	I-8	M-16	200-430	0			Base	T148	29	75.7	74.3
103	05-May-00	I-8	M-16	200-430	0			Base	T149	3	75.8	74.0
103	05-May-00	I-8	M-16	200-430	0			Base	T149	11	71.0	62.7
103	05-May-00	I-8	M-16	200-430	0			Base	T149	22	77.8	77.8
103	05-May-00	I-8	M-16	200-430	0			Base	T150	2	70.1	57.0
103	05-May-00	I-8	M-16	200-430	0			Base	T150	4	66.2	54.8
103	05-May-00	I-8	M-16	200-430	0			Base	T150	7	66.1	52.9
103	05-May-00	I-8	M-16	200-430	0			Base	T150	9	65.2	52.7
103	05-May-00	I-8	M-16	200-430	0			Base	T150	12	66.7	55.1
103	05-May-00	I-8	M-16	200-430	0			Base	T150	16	66.0	53.3
103	05-May-00	I-8	M-16	200-430	0			Base	T150	20	67.3	56.2
103	05-May-00	I-8	M-16	200-430	0			Base	T151	1	67.7	57.3
103	05-May-00	I-8	M-16	200-430	0			Base	T151	4	67.1	55.1
103	05-May-00	I-8	M-16	200-430	0			Base	T151	10	69.9	60.0
103	05-May-00	I-8	M-16	200-430	0			Base	T152	4	71.4	59.0
103	05-May-00	I-8	M-16	200-430	0			Base	T152	8	67.2	54.8
103	05-May-00	I-8	M-16	200-430	0			Base	T152	10	66.7	53.6
103	05-May-00	I-8	M-16	200-430	0			Base	T152	13	69.5	57.0
103	05-May-00	I-8	M-16	200-430	0			Base	T152	16	69.7	57.1
103	05-May-00	I-8	M-16	200-430	0			Base	T152	20	65.3	53.1
103	05-May-00	I-8	M-16	200-430	0			Base	T153	2	66.9	55.3
103	05-May-00	I-8	M-16	200-430	0			Base	T154	2	65.6	53.6
103	05-May-00	I-8	M-16	200-430	0			Base	T154	10	66.5	54.3
103	05-May-00	I-8	M-16	200-430	0			Base	T154	23	68.3	52.6
103	05-May-00	I-8	M-16	200-430	0			Base	T155	2	70.4	58.1
103	05-May-00	I-8	M-16	200-430	0			Base	T155	12	68.5	58.0
103	05-May-00	I-8	M-16	200-430	0			Base	T155	16	66.5	54.4
103	05-May-00	I-8	M-16	200-430	0			Base	T155	21	68.3	57.0
103	05-May-00	I-8	M-16	200-430	0			Base	T155	25	70.1	60.1
103	05-May-00	I-8	M-16	200-430	0			Base	T156	2	65.3	54.4
103	05-May-00	I-8	M-16	200-430	0			Base	T157	3	82.9	82.7
103	05-May-00	I-8	M-16	200-430	0			Base	T157	15	75.8	70.9
103	05-May-00	I-8	M-16	200-430	0			Base	T157	25	75.6	71.3
103	05-May-00	I-8	M-16	200-430	0			Base	T158	3	74.3	67.6
103	05-May-00	I-8	M-16	200-430	0			Base	T158	15	70.9	61.0
103	05-May-00	I-8	M-16	200-430	0			Base	T158	19	70.1	67.3
103	05-May-00	I-8	M-16	200-430	0			Base	T158	30	73.6	65.0
103	06-May-00	I-9	M-16	200-430	0			Base	T160	3	74.4	74.9
103	06-May-00	I-9	M-16	200-430	0			Base	T160	10	86.2	87.1

103	06-May-00	I-9	M-16	200-430	0			Base	T160	16	73.5	73.8
103	06-May-00	I-9	M-16	200-430	0			Base	T160	26	86.1	86.9
103	06-May-00	I-9	M-16	200-430	0			Base	T161	6	73.7	73.9
103	06-May-00	I-9	M-16	200-430	0			Base	T161	18	74.9	75.3
103	06-May-00	I-9	M-16	200-430	0			Base	T162	3	72.3	72.7
103	06-May-00	I-9	M-16	200-430	0			Base	T162	6	68.6	68.9
103	06-May-00	I-9	M-16	200-430	0			Base	T162	16	84.0	84.8
103	06-May-00	I-9	M-16	200-430	0			Base	T162	27	75.1	75.7
103	06-May-00	I-9	M-16	200-430	0			Base	T163	5	75.3	75.8
103	06-May-00	I-9	M-16	200-430	0			Base	T163	14	70.3	70.7
103	06-May-00	I-9	M-16	200-430	0			Base	T163	17	70.5	71.0
103	06-May-00	I-9	M-16	200-430	0			Base	T164	8	87.3	88.1
103	06-May-00	I-9	M-16	200-430	0			Base	T164	18	82.6	83.4
103	06-May-00	I-9	M-16	200-430	0			Base	T164	25	75.1	75.5
103	06-May-00	I-9	M-16	200-430	0			Base	T165	9	88.4	89.1
103	06-May-00	I-9	M-16	200-430	0			Base	T165	21	74.5	74.8
103	06-May-00	I-9	M-16	200-430	0			Base	T166	4	73.2	73.5
103	06-May-00	I-9	M-16	200-430	0			Base	T166	16	79.5	80.2
103	06-May-00	I-9	M-16	200-430	0			Base	T167	3	77.4	78.2
103	06-May-00	I-9	M-16	200-430	0			Base	T167	17	74.4	75.1
103	06-May-00	I-9	M-16	200-430	0			Base	T167	30	78.5	79.3
103	06-May-00	I-9	M-16	200-430	0			Base	T168	4	77.0	77.7
103	06-May-00	I-9	M-16	200-430	0			Base	T168	9	70.6	71.2
103	06-May-00	I-9	M-16	200-430	0			Base	T168	25	74.8	75.0
103	06-May-00	I-9	M-16	200-430	0			Base	T168	27	64.9	65.4
103	06-May-00	I-9	M-16	200-430	0			Base	T169	7	78.1	78.8
103	06-May-00	I-9	M-16	200-430	0			Base	T169	16	74.1	74.7
103	06-May-00	I-9	M-16	200-430	0			Base	T170	4	72.7	73.2
103	06-May-00	I-9	M-16	200-430	0			Base	T170	8	65.6	66.3
103	06-May-00	I-9	M-16	200-430	0			Base	T170	18	67.5	68.0
103	06-May-00	I-9	M-16	200-430	0			Base	T171	7	82.1	82.9
103	06-May-00	I-9	M-16	200-430	0			Base	T171	9	67.6	68.0
103	06-May-00	I-9	M-16	200-430	0			Base	T171	18	69.0	69.3
103	06-May-00	I-9	M-16	200-430	0			Base	T171	22	69.6	69.6
103	06-May-00	I-9	M-16	200-430	0			Base	T171	25	64.8	65.3
103	06-May-00	I-9	M-16	200-430	0			Base	T171	27	64.6	65.1
103	06-May-00	I-9	M-16	200-430	0			Base	T172	6	79.0	79.5
103	06-May-00	I-9	M-16	200-430	0			Base	T172	9	67.4	67.8
103	06-May-00	I-9	M-16	200-430	0			Base	T172	21	86.2	86.9
103	06-May-00	I-9	M-16	200-430	0			Base	T172	24	72.1	72.7
103	06-May-00	I-9	M-16	200-430	0			Base	T173	4	80.6	81.4
103	06-May-00	I-9	M-16	200-430	0			Base	T173	16	82.2	82.9

103	06-May-00	I-9	M-16	200-430	0			Base	T173	25	86.1	87.0
103	06-May-00	I-9	M-16	200-430	0			Base	T174	4	74.4	74.9
103	06-May-00	I-9	M-16	200-430	0			Base	T174	17	72.4	72.7
103	06-May-00	I-9	M-16	200-430	0			Base	T175	4	73.0	73.2
103	06-May-00	I-9	M-16	200-430	0			Base	T175	6	64.9	65.0
103	06-May-00	I-9	M-16	200-430	0			Base	T175	16	86.5	87.3
103	06-May-00	I-9	M-16	200-430	0			Base	T175	28	77.5	78.1
103	06-May-00	I-9	M-16	200-430	0			Base	T176	6	73.8	74.1
103	06-May-00	I-9	M-16	200-430	0			Base	T176	19	74.9	75.2
103	06-May-00	I-9	M-16	200-430	0			Base	T177	8	87.6	88.4
103	06-May-00	I-9	M-16	200-430	0			Base	T177	17	72.0	72.5
103	06-May-00	I-9	M-16	200-430	0			Base	T177	23	74.9	75.3
103	06-May-00	I-9	M-16	200-430	0			Base	T178	9	84.9	85.7
103	06-May-00	I-9	M-16	200-430	0			Base	T178	21	80.1	81.0
103	06-May-00	I-9	M-16	200-430	0			Base	T179	5	79.2	79.7
103	06-May-00	I-9	M-16	200-430	0			Base	T179	18	88.9	89.7
103	06-May-00	I-9	M-16	200-430	0			Base	T180	5	84.3	85.0
103	06-May-00	I-9	M-16	200-430	0			Base	T180	17	69.9	70.2
103	06-May-00	I-9	M-16	200-430	0			Base	T180	19	74.4	75.2
103	06-May-00	I-9	M-16	200-430	0			Base	T181	5	73.9	74.5
103	06-May-00	I-9	M-16	200-430	0			Base	T181	18	91.6	92.4
103	06-May-00	I-9	M-16	200-430	0			Base	T182	7	79.0	76.7
103	06-May-00	I-9	M-16	200-430	0			Base	T182	10	68.4	69.0
103	06-May-00	I-9	M-16	200-430	0			Base	T182	21	75.5	76.1
103	06-May-00	I-9	M-16	200-430	0			Base	T182	26	73.5	73.9
103	06-May-00	I-9	M-16	200-430	0			Base	T183	3	82.9	83.7
103	06-May-00	I-9	M-16	200-430	0			Base	T183	6	81.6	82.5
103	06-May-00	I-9	M-16	200-430	0			Base	T183	19	70.2	70.3
103	06-May-00	I-9	M-16	200-430	0			Base	T184	4	75.0	75.6
103	06-May-00	I-9	M-16	200-430	0			Base	T184	6	83.7	84.5
103	06-May-00	I-9	M-16	200-430	0			Base	T184	22	82.6	83.3
103	06-May-00	I-9	M-16	200-430	0			Base	T185	5	78.6	79.4
103	06-May-00	I-9	M-16	200-430	0			Base	T185	8	82.6	83.4
103	06-May-00	I-9	M-16	200-430	0			Base	T185	24	77.3	77.9
103	06-May-00	I-9	M-16	200-430	0			Base	T186	4	82.2	82.8
103	06-May-00	I-9	M-16	200-430	0			Base	T186	8	77.8	75.4
103	06-May-00	I-9	M-16	200-430	0			Base	T187	4	72.6	73.1
103	06-May-00	I-9	M-16	200-430	0			Base	T187	15	72.6	72.8
103	06-May-00	I-9	M-16	200-430	0			Base	T187	17	66.3	66.9

103	06-May-00	I-9	M-16	200-430	0			Base	T187	27	90.7	91.5
103	06-May-00	I-9	M-16	200-430	0			Base	T188	7	75.1	75.7
103	06-May-00	I-9	M-16	200-430	0			Base	T188	18	83.1	83.7
103	06-May-00	I-9	M-16	200-430	0			Base	T188	21	67.1	67.1
103	06-May-00	I-9	M-16	200-430	0			Base	T189	6	70.4	70.6
103	06-May-00	I-9	M-16	200-430	0			Base	T189	18	86.4	87.3
103	06-May-00	I-9	M-16	200-430	0			Base	T189	27	71.7	72.1
103	06-May-00	I-9	M-16	200-430	0			Base	T190	5	69.6	69.6
103	06-May-00	I-9	M-16	200-430	0			Base	T190	16	76.8	77.6
103	06-May-00	I-9	M-16	200-430	0			Base	T190	18	65.2	65.5
103	06-May-00	I-9	M-16	200-430	0			Base	T191	6	79.4	80.1
103	06-May-00	I-9	M-16	200-430	0			Base	T191	19	74.8	75.5
103	06-May-00	I-9	M-16	200-430	0			Base	T191	24	70.4	71.3
103	06-May-00	I-9	M-16	200-430	0			Base	T192	5	75.5	76.1
103	06-May-00	I-9	M-16	200-430	0			Base	T192	8	81.8	82.6
103	06-May-00	I-9	M-16	200-430	0			Base	T192	20	70.6	70.7
103	06-May-00	I-9	M-16	200-430	0			Base	T193	6	74.0	74.5
103	06-May-00	I-9	M-16	200-430	0			Base	T193	18	93.1	93.9
103	06-May-00	I-9	M-16	200-430	0			Base	T194	6	83.0	83.8
103	06-May-00	I-9	M-16	200-430	0			Base	T194	20	79.6	80.3
103	06-May-00	I-9	M-16	200-430	0			Base	T195	7	85.5	86.3
103	06-May-00	I-9	M-16	200-430	0			Base	T195	21	90.6	91.4
103	06-May-00	I-9	M-16	200-430	0			Base	T196	5	78.8	79.4
103	06-May-00	I-9	M-16	200-430	0			Base	T196	13	79.0	79.5
103	06-May-00	I-9	M-16	200-430	0			Base	T196	27	81.6	82.2
103	06-May-00	I-9	M-16	200-430	0			Base	T197	9	89.4	90.0
103	06-May-00	I-9	M-16	200-430	0			Base	T197	22	76.6	77.1
103	06-May-00	I-9	M-16	200-430	0			Base	T198	12	82.4	83.2
103	06-May-00	I-9	M-16	200-430	0			Base	T198	24	83.1	83.9
103	06-May-00	I-9	M-16	200-430	0			Base	T198	27	74.8	75.5
103	06-May-00	I-9	M-16	200-430	0			Base	T199	3	89.5	90.3
103	06-May-00	I-9	M-16	200-430	0			Base	T199	13	82.9	83.8
103	06-May-00	I-9	M-16	200-430	0			Base	T199	25	84.5	85.3
103	06-May-00	I-9	M-16	200-430	0			Base	T200	6	86.5	87.4
103	06-May-00	I-9	M-16	200-430	0			Base	T200	10	81.4	82.2
103	06-May-00	I-9	M-16	200-430	0			Base	T200	20	67.9	68.4
103	06-May-00	I-9	M-16	200-430	0			Base	T201	4	85.2	86.1
103	06-May-00	I-9	M-16	200-430	0			Base	T201	15	84.0	84.8
103	06-May-00	I-9	M-16	200-430	0			Base	T201	27	85.2	86.0
103	06-May-00	I-9	M-16	200-430	0			Base	T202	6	76.3	76.6
103	06-May-00	I-9	M-16	200-430	0			Base	T202	19	77.5	78.0
103	06-May-00	I-9	M-16	200-430	0			Base	T203	8	80.2	80.9

103	06-May-00	I-9	M-16	200-430	0			Base	T203	17	83.2	83.9
103	06-May-00	I-9	M-16	200-430	0			Base	T204	6	81.4	82.3
103	06-May-00	I-9	M-16	200-430	0			Base	T204	20	77.4	77.9
103	06-May-00	I-9	M-16	200-430	0			Base	T205	8	84.7	85.5
103	06-May-00	I-9	M-16	200-430	0			Base	T205	20	90.9	91.7
103	06-May-00	I-9	M-16	200-430	0			Base	T206	9	77.2	77.7
103	06-May-00	I-9	M-16	200-430	0			Base	T206	25	84.4	85.1
103	06-May-00	I-9	M-16	200-430	0			Base	T207	5	72.6	72.1
103	06-May-00	I-9	M-16	200-430	0			Base	T207	19	77.7	78.2
103	06-May-00	I-9	M-16	200-430	0			Base	T208	6	76.4	77.0
103	06-May-00	I-9	M-16	200-430	0			Base	T209	6	82.4	83.2
103	06-May-00	I-9	M-16	200-430	0			Base	T209	20	78.7	79.2
103	06-May-00	I-9	M-16	200-430	0			Base	T210	6	78.6	79.3
103	06-May-00	I-9	M-16	200-430	0			Base	T210	16	80.6	81.3
103	06-May-00	I-9	M-16	200-430	0			Base	T206	17	70.8	71.1
103	06-May-00	I-9	M-16	200-430	0			Base	T211	4	73.0	73.3
103	06-May-00	I-9	M-16	200-430	0			Base	T211	8	73.8	74.4
103	06-May-00	I-9	M-16	200-430	0			Base	T211	13	73.5	74.1
103	06-May-00	I-9	M-16	200-430	0			Base	T211	22	81.1	82.0
103	06-May-00	I-9	M-16	200-430	0			Base	T211	27	78.1	78.8
103	06-May-00	I-9	M-16	200-430	0			Base	T212	4	82.6	83.5
103	06-May-00	I-9	M-16	200-430	0			Base	T212	6	73.3	74.0
103	06-May-00	I-9	M-16	200-430	0			Base	T212	20	77.4	78.1
103	06-May-00	I-9	M-16	200-430	0			Base	T213	4	68.4	68.8
103	06-May-00	I-9	M-16	200-430	0			Base	T213	7	68.9	69.0
103	06-May-00	I-9	M-16	200-430	0			Base	T213	18	68.6	68.9
103	06-May-00	I-9	M-16	200-430	0			Base	T213	21	81.0	81.7
103	06-May-00	I-9	M-16	200-430	0			Base	T213	24	69.3	69.6
103	06-May-00	I-9	M-16	200-430	0			Base	T214	6	79.8	80.5
103	06-May-00	I-9	M-16	200-430	0			Base	T214	23	90.6	91.5
103	06-May-00	I-9	M-16	200-430	0			Base	T214	25	81.0	81.8
103	06-May-00	I-9	M-16	200-430	0			Base	T215	4	73.5	74.3
103	06-May-00	I-9	M-16	200-430	0			Base	T215	9	71.3	71.4
103	06-May-00	I-9	M-16	200-430	0			Base	T216	4	89.8	90.3
103	06-May-00	I-9	M-16	200-430	0			Base	T216	13	68.7	68.9
103	06-May-00	I-9	M-16	200-430	0			Base	T216	15	65.8	66.2
103	06-May-00	I-9	M-16	200-430	0			Base	T216	26	72.0	71.8
103	06-May-00	I-9	M-16	200-430	0			Base	T217	2	66.1	66.5
103	06-May-00	I-9	M-16	200-430	0			Base	T218	5	82.3	83.0

103	06-May-00	I-9	M-16	200-430	0			Base	T218	17	71.8	71.8
103	06-May-00	I-9	M-16	200-430	0			Base	T218	26	80.0	80.9
103	06-May-00	I-9	M-16	200-430	0			Base	T219	5	74.1	74.4
103	06-May-00	I-9	M-16	200-430	0			Base	T219	15	69.3	69.5
103	06-May-00	I-9	M-16	200-430	0			Base	T219	18	68.6	68.6
103	06-May-00	I-9	M-16	200-430	0			Base	T220	7	76.3	77.0
103	06-May-00	I-9	M-16	200-430	0			Base	T220	18	87.0	87.7
103	06-May-00	I-9	M-16	200-430	0			Base	T220	29	72.6	72.6
103	06-May-00	I-9	M-16	200-430	0			Base	T221	6	74.5	74.8
103	06-May-00	I-9	M-16	200-430	0			Base	T221	17	73.3	73.5
103	06-May-00	I-9	M-16	200-430	0			Base	T222	4	80.8	81.5
103	06-May-00	I-9	M-16	200-430	0			Base	T222	8	90.3	91.0
103	06-May-00	I-9	M-16	200-430	0			Base	T222	19	75.6	76.2
103	06-May-00	I-9	M-16	200-430	0			Base	T222	23	66.7	66.9
103	06-May-00	I-9	M-16	200-430	0			Base	T223	4	88.1	88.9
103	06-May-00	I-9	M-16	200-430	0			Base	T223	9	75.5	76.1
103	06-May-00	I-9	M-16	200-430	0			Base	T223	22	72.1	72.1
103	06-May-00	I-9	M-16	200-430	0			Base	T224	4	74.0	74.4
103	06-May-00	I-9	M-16	200-430	0			Base	T224	17	84.8	85.6
103	06-May-00	I-9	M-16	200-430	0			Base	T225	5	82.3	83.1
103	06-May-00	I-9	M-16	200-430	0			Base	T225	17	74.2	74.5
103	06-May-00	I-9	M-16	200-430	0			Base	T225	19	65.5	65.7
103	06-May-00	I-9	M-16	200-430	0			Base	T225	30	80.1	80.7
103	06-May-00	I-9	M-16	200-430	0			Base	T226	10	82.3	83.0
103	06-May-00	I-9	M-16	200-430	0			Base	T226	23	81.2	81.8
103	06-May-00	I-9	M-16	200-430	0			Base	T226	28	76.7	77.4
103	06-May-00	I-9	M-16	200-430	0			Base	T227	9	87.0	87.8
103	06-May-00	I-9	M-16	200-430	0			Base	T227	22	89.8	90.6
103	06-May-00	I-9	M-16	200-430	0			Base	T228	5	83.4	84.1
103	06-May-00	I-9	M-16	200-430	0			Base	T228	22	79.2	80.0
103	06-May-00	I-9	M-16	200-430	0			Base	T229	8	83.1	83.7
103	06-May-00	I-9	M-16	200-430	0			Base	T229	11	83.5	84.4
103	06-May-00	I-9	M-16	200-430	0			Base	T229	26	80.1	80.6
103	06-May-00	I-9	M-16	200-430	0			Base	T229	28	65.9	66.1
103	06-May-00	I-9	M-16	200-430	0			Base	T230	4	77.4	54.5
103	06-May-00	I-9	M-16	200-430	0			Base	T231	4	80.4	81.2
103	06-May-00	I-9	M-16	200-430	0			Base	T231	15	82.3	83.0
103	06-May-00	I-9	M-16	200-430	0			Base	T231	25	83.6	84.4
103	06-May-00	I-9	M-16	200-430	0			Base	T232	5	79.9	80.7
103	06-May-00	I-9	M-16	200-430	0			Base	T232	20	81.4	82.1
103	06-May-00	I-9	M-16	200-430	0			Base	T233	7	83.0	83.7
103	06-May-00	I-9	M-16	200-430	0			Base	T233	16	82.5	83.3

103	06-May-00	I-9	M-16	200-430	0			Base	T233	20	70.0	68.8
103	06-May-00	I-9	M-16	200-430	0			Base	T233	29	78.0	78.6
103	06-May-00	I-9	M-16	200-430	0			Base	T234	4	73.2	73.8
103	06-May-00	I-9	M-16	200-430	0			Base	T234	14	72.0	72.7
103	06-May-00	I-9	M-16	200-430	0			Base	T234	16	72.9	73.8
103	06-May-00	I-9	M-16	200-430	0			Base	T235	3	80.9	81.8
103	06-May-00	I-9	M-16	200-430	0			Base	T235	8	77.6	78.4
103	06-May-00	I-9	M-16	200-430	0			Base	T235	17	72.1	72.6
103	06-May-00	I-9	M-16	200-430	0			Base	T235	21	72.7	73.5
103	06-May-00	I-9	M-16	200-430	0			Base	T235	24	72.4	73.0
103	06-May-00	I-9	M-16	200-430	0			Base	T236	6	84.1	84.8
103	06-May-00	I-9	M-16	200-430	0			Base	T236	9	78.2	78.8
103	06-May-00	I-9	M-16	200-430	0			Base	T236	18	70.0	70.8
103	06-May-00	I-9	M-16	200-430	0			Base	T236	21	70.4	71.4
103	06-May-00	I-9	M-16	200-430	0			Base	T237	2	64.3	64.8
103	06-May-00	I-9	M-16	200-430	0			Base	T237	16	75.6	76.3
103	06-May-00	I-9	M-16	200-430	0			Base	T237	26	65.4	66.1
103	06-May-00	I-9	M-16	200-430	0			Base	T238	2	69.6	70.2
103	06-May-00	I-9	M-16	200-430	0			Base	T238	15	65.2	65.4
103	06-May-00	I-9	M-16	200-430	0			Base	T239	2	71.7	72.4
103	06-May-00	I-9	M-16	200-430	0			Base	T239	7	68.1	67.1
103	06-May-00	I-9	M-16	200-430	0			Base	T239	16	66.2	66.0
103	06-May-00	I-9	M-16	200-430	0			Base	T239	20	71.2	71.8
103	06-May-00	I-9	M-16	200-430	0			Base	T239	25	81.3	82.0
103	06-May-00	I-9	M-16	200-430	0			Base	T240	2	75.5	76.3
103	06-May-00	I-9	M-16	200-430	0			Base	T240	6	66.1	66.7
103	06-May-00	I-9	M-16	200-430	0			Base	T240	16	66.8	67.4
103	06-May-00	I-9	M-16	200-430	0			Base	T241	22	71.5	72.0
103	06-May-00	I-9	M-16	200-430	0			Base	T242	5	70.9	71.4
103	06-May-00	I-9	M-16	200-430	0			Base	T242	10	67.0	67.7
103	06-May-00	I-9	M-16	200-430	0			Base	T242	22	74.0	74.9
103	06-May-00	I-9	M-16	200-430	0			Base	T243	1	64.0	64.5
103	06-May-00	I-9	M-16	200-430	0			Base	T243	3	70.6	71.5
103	06-May-00	I-9	M-16	200-430	0			Base	T243	6	65.7	66.5
103	06-May-00	I-9	M-16	200-430	0			Base	T244	3	64.2	64.6
103	06-May-00	I-9	M-16	200-430	0			Base	T244	13	72.5	73.5
103	06-May-00	I-9	M-16	200-430	0			Base	T244	25	71.2	71.9
103	06-May-00	I-9	M-16	200-430	0			Base	T246	2	64.9	65.3
103	06-May-00	I-9	M-16	200-430	0			Base	T246	11	61.4	60.9

103	06-May-00	I-9	M-16	200-430	0			Base	T246	15	61.8	61.7
103	06-May-00	I-9	M-16	200-430	0			Base	T247	13	64.4	65.0
103	06-May-00	I-9	M-16	200-430	0			Base	T247	26	66.6	67.0
103	06-May-00	I-9	M-16	200-430	0			Base	T248	3	66.3	66.7
103	06-May-00	I-9	M-16	200-430	0			Base	T248	11	68.7	69.1
103	06-May-00	I-9	M-16	200-430	0			Base	T248	18	66.9	66.3
103	06-May-00	I-9	M-16	200-430	0			Base	T249	4	72.3	72.8
103	06-May-00	I-9	M-16	200-430	0			Base	T249	7	64.6	64.1
103	06-May-00	I-9	M-16	200-430	0			Base	T249	20	66.6	65.8
103	06-May-00	I-9	M-16	200-430	0			Base	T250	4	68.1	68.7
103	06-May-00	I-9	M-16	200-430	0			Base	T250	14	81.7	82.2
103	06-May-00	I-9	M-16	200-430	0			Base	T250	16	64.2	64.6
103	06-May-00	I-9	M-16	200-430	0			Base	T250	27	74.7	75.6
103	06-May-00	I-9	M-16	200-430	0			Base	T251	6	72.6	73.4
103	06-May-00	I-9	M-16	200-430	0			Base	T252	5	65.7	65.8
103	06-May-00	I-9	M-16	200-430	0			Base	T252	8	60.0	59.9
103	06-May-00	I-9	M-16	200-430	0			Base	T252	16	59.6	59.3
103	06-May-00	I-9	M-16	200-430	0			Base	T252	18	59.7	59.7
103	06-May-00	I-9	M-16	200-430	0			Base	T253	6	66.1	66.3
103	06-May-00	I-9	M-16	200-430	0			Base	T253	19	65.4	65.8
103	06-May-00	I-9	M-16	200-430	0			Base	T254	3	57.4	56.9
103	06-May-00	I-9	M-16	200-430	0			Base	T254	8	55.7	53.1
103	06-May-00	I-9	M-16	200-430	0			Base	T254	17	57.3	57.7
103	06-May-00	I-9	M-16	200-430	0			Base	T254	19	57.6	57.8
103	06-May-00	I-9	M-16	200-430	0			Base	T254	21	58.0	58.1
103	06-May-00	I-9	M-16	200-430	0			Base	T254	24	58.1	57.6
103	06-May-00	I-9	M-16	200-430	0			Base	T255	4	65.6	66.2
103	06-May-00	I-9	M-16	200-430	0			Base	T255	11	60.0	59.5
103	06-May-00	I-9	M-16	200-430	0			Base	T255	20	56.0	55.2
103	06-May-00	I-9	M-16	200-430	0			Base	T256	8	82.9	83.8
103	06-May-00	I-9	M-16	200-430	0			Base	T256	23	94.0	94.8
103	06-May-00	I-9	M-16	200-430	0			Base	T257	4	83.1	83.9
103	06-May-00	I-9	M-16	200-430	0			Base	T257	7	75.5	76.5
103	06-May-00	I-9	M-16	200-430	0			Base	T257	12	86.8	87.8
103	06-May-00	I-9	M-16	200-430	0			Base	T257	17	82.9	83.8
103	06-May-00	I-9	M-16	200-430	0			Base	T257	29	96.4	97.1
103	06-May-00	I-9	M-16	200-430	0			Base	T258	9	91.6	92.3
103	06-May-00	I-9	M-16	200-430	0			Base	T258	18	89.4	90.3
103	06-May-00	I-9	M-16	200-430	0			Base	T259	8	91.6	92.3
103	06-May-00	I-9	M-16	200-430	0			Base	T259	18	89.4	90.3
103	06-May-00	I-9	M-16	200-430	0			Base	T260	6	74.8	75.4
103	06-May-00	I-9	M-16	200-430	0			Base	T261	2	81.4	82.3

103	06-May-00	I-9	M-16	200-430	0			Base	T261	9	83.2	84.2
103	06-May-00	I-9	M-16	200-430	0			Base	T261	20	73.9	74.4
103	06-May-00	I-9	M-16	200-430	0			Base	T261	24	74.2	75.0
103	06-May-00	I-9	M-16	200-430	0			Base	T262	4	65.6	65.9
103	06-May-00	I-9	M-16	200-430	0			Base	T262	7	62.8	63.2
103	06-May-00	I-9	M-16	200-430	0			Base	T263	3	67.8	68.6
103	06-May-00	I-9	M-16	200-430	0			Base	T263	6	71.8	72.8
103	06-May-00	I-9	M-16	200-430	0			Base	T263	15	65.1	65.6
103	06-May-00	I-9	M-16	200-430	0			Base	T264	3	65.3	65.4
103	06-May-00	I-9	M-16	200-430	0			Base	T264	7	69.0	69.4
103	06-May-00	I-9	M-16	200-430	0			Base	T264	9	64.9	64.6
103	06-May-00	I-9	M-16	200-430	0			Base	T264	16	72.0	72.6
103	06-May-00	I-9	M-16	200-430	0			Base	T265	7	65.2	65.1
103	06-May-00	I-9	M-16	200-430	0			Base	T265	10	63.0	62.3
103	06-May-00	I-9	M-16	200-430	0			Base	T265	15	63.2	62.5
103	06-May-00	I-9	M-16	200-430	0			Base	T266	9	57.8	58.1
103	06-May-00	I-9	M-16	200-430	0			Base	T266	14	61.8	61.9
103	06-May-00	I-9	M-16	200-430	0			Base	T267	6	79.9	80.7
103	06-May-00	I-9	M-16	200-430	0			Base	T267	8	73.0	73.8
103	06-May-00	I-9	M-16	200-430	0			Base	T267	15	91.9	92.6
103	06-May-00	I-9	M-16	200-430	0			Base	T267	20	88.5	89.2
103	06-May-00	I-9	M-16	200-430	0			Base	T267	30	95.3	92.2
103	06-May-00	I-9	M-16	200-430	0			Base	T268	3	75.8	76.4
103	06-May-00	I-9	M-16	200-430	0			Base	T268	8	75.8	76.0
103	06-May-00	I-9	M-16	200-430	0			Base	T268	13	74.3	74.4
103	06-May-00	I-9	M-16	200-430	0			Base	T268	18	72.1	72.0
103	06-May-00	I-9	M-16	200-430	0			Base	T268	23	84.6	85.5
103	06-May-00	I-9	M-16	200-430	0			Base	T268	30	84.1	84.9
103	06-May-00	I-9	M-16	200-430	0			Base	T269	7	86.6	87.4
103	06-May-00	I-9	M-16	200-430	0			Base	T269	11	82.4	83.3
103	06-May-00	I-9	M-16	200-430	0			Base	T269	15	85.5	86.5
103	06-May-00	I-9	M-16	200-430	0			Base	T269	22	79.5	80.3
103	06-May-00	I-9	M-16	200-430	0			Base	T269	30	76.0	76.9
103	06-May-00	I-9	M-16	200-430	0			Base	T270	3	77.1	77.9
103	06-May-00	I-9	M-16	200-430	0			Base	T270	7	68.1	68.6
103	06-May-00	I-9	M-16	200-430	0			Base	T270	10	68.8	68.9
103	06-May-00	I-9	M-16	200-430	0			Base	T270	13	76.1	77.0
103	06-May-00	I-9	M-16	200-430	0			Base	T270	18	73.5	74.0
103	06-May-00	I-9	M-16	200-430	0			Base	T270	21	71.8	72.5

103	06-May-00	I-9	M-16	200-430	0			Base	T271	6	82.7	83.5
103	06-May-00	I-9	M-16	200-430	0			Base	T271	16	78.7	79.1
103	06-May-00	I-9	M-16	200-430	0			Base	T271	30	89.8	90.7
103	06-May-00	I-9	M-16	200-430	0			Base	T272	5	86.2	87.1
103	06-May-00	I-9	M-16	200-430	0			Base	T272	13	89.4	90.3
103	06-May-00	I-9	M-16	200-430	0			Base	T273	15	87.7	88.5
103	06-May-00	I-9	M-16	200-430	0			Base	T273	22	89.6	90.4
103	06-May-00	I-9	M-16	200-430	0			Base	T273	28	88.4	89.4
103	06-May-00	I-9	M-16	200-430	0			Base	T274	1	73.0	73.7
103	06-May-00	I-9	M-16	200-430	0			Base	T274	12	86.7	87.6
103	06-May-00	I-9	M-16	200-430	0			Base	T274	22	74.0	74.4
103	06-May-00	I-9	M-16	200-430	0			Base	T274	30	77.5	78.1
103	06-May-00	I-9	M-16	200-430	0			Base	T275	2	72.8	73.4
103	06-May-00	I-9	M-16	200-430	0			Base	T275	4	82.5	83.3
103	06-May-00	I-9	M-16	200-430	0			Base	T275	13	85.2	86.1
103	06-May-00	I-9	M-16	200-430	0			Base	T275	15	83.4	84.0
103	06-May-00	I-9	M-16	200-430	0			Base	T275	18	70.0	70.6
103	06-May-00	I-9	M-16	200-430	0			Base	T275	28	77.4	77.8
103	06-May-00	I-9	M-16	200-430	0			Base	T275	30	64.2	64.0
103	06-May-00	I-9	M-16	200-430	0			Base	T276	4	74.6	75.0
103	06-May-00	I-9	M-16	200-430	0			Base	T276	7	74.9	75.6
103	06-May-00	I-9	M-16	200-430	0			Base	T276	11	76.3	76.8
103	06-May-00	I-9	M-16	200-430	0			Base	T276	18	82.9	83.8
103	06-May-00	I-9	M-16	200-430	0			Base	T276	23	81.2	82.2
103	06-May-00	I-9	M-16	200-430	0			Base	T276	25	80.6	81.6
103	06-May-00	I-9	M-16	200-430	0			Base	T276	27	83.9	84.9
103	06-May-00	I-9	M-16	200-430	0			Base	T276	29	83.2	83.9
103	06-May-00	I-9	M-16	200-430	0			Base	T277	19	85.9	86.8
103	06-May-00	I-9	M-16	200-430	0			Base	T277	30	86.8	87.6
103	06-May-00	I-9	M-16	200-430	0			Base	T278	7	87.4	88.2
103	06-May-00	I-9	M-16	200-430	0			Base	T278	16	84.9	85.8
103	06-May-00	I-9	M-16	200-430	0			Base	T278	20	81.6	82.5
103	06-May-00	I-9	M-16	200-430	0			Base	T278	27	81.2	81.9
103	06-May-00	I-9	M-16	200-430	0			Base	T278	29	81.3	82.1
103	06-May-00	I-9	M-16	200-430	0			Base	T279	6	79.4	80.2
103	06-May-00	I-9	M-16	200-430	0			Base	T279	30	88.0	88.7
103	06-May-00	I-9	M-16	200-430	0			Base	T280	3	77.7	78.4
103	06-May-00	I-9	M-16	200-430	0			Base	T280	11	87.3	88.1
103	06-May-00	I-9	M-16	200-430	0			Base	T280	21	83.1	83.8
103	06-May-00	I-9	M-16	200-430	0			Base	T280	30	82.3	82.9
103	06-May-00	I-9	M-16	200-430	0			Base	T281	6	83.1	83.8
103	06-May-00	I-9	M-16	200-430	0			Base	T281	13	78.3	78.8

103	06-May-00	I-9	M-16	200-430	0			Base	T281	19	81.1	81.8
103	06-May-00	I-9	M-16	200-430	0			Base	T281	25	87.6	88.5
103	06-May-00	I-9	M-16	200-430	0			Base	T281	30	72.6	73.3
103	06-May-00	I-9	M-16	200-430	0			Base	T282	2	74.5	75.1
103	06-May-00	I-9	M-16	200-430	0			Base	T282	5	70.9	71.3
103	06-May-00	I-9	M-16	200-430	0			Base	T282	12	83.4	84.3
103	06-May-00	I-9	M-16	200-430	0			Base	T282	16	69.4	69.8
103	06-May-00	I-9	M-16	200-430	0			Base	T282	19	73.5	74.0
103	06-May-00	I-9	M-16	200-430	0			Base	T282	25	87.5	88.3
103	06-May-00	I-9	M-16	200-430	0			Base	T282	30	76.3	77.1
103	06-May-00	I-9	M-16	200-430	0			Base	T283	5	81.6	82.4
103	06-May-00	I-9	M-16	200-430	0			Base	T283	13	83.8	84.4
103	06-May-00	I-9	M-16	200-430	0			Base	T283	27	84.4	85.1
103	06-May-00	I-9	M-16	200-430	0			Base	T284	4	75.9	76.6
103	06-May-00	I-9	M-16	200-430	0			Base	T284	9	80.0	80.8
103	06-May-00	I-9	M-16	200-430	0			Base	T284	15	84.5	85.4
103	06-May-00	I-9	M-16	200-430	0			Base	T284	21	74.1	74.4
103	06-May-00	I-9	M-16	200-430	0			Base	T284	26	76.5	77.3
103	06-May-00	I-9	M-16	200-430	0			Base	T284	28	68.3	69.1
103	06-May-00	I-9	M-16	200-430	0			Base	T285	8	85.5	86.2
103	06-May-00	I-9	M-16	200-430	0			Base	T285	13	65.6	66.0
103	06-May-00	I-9	M-16	200-430	0			Base	T285	16	69.4	69.9
103	06-May-00	I-9	M-16	200-430	0			Base	T285	20	77.5	78.3
103	06-May-00	I-9	M-16	200-430	0			Base	T285	24	70.5	70.9
103	06-May-00	I-9	M-16	200-430	0			Base	T286	2	67.7	68.2
103	06-May-00	I-9	M-16	200-430	0			Base	T286	6	69.8	70.0
103	06-May-00	I-9	M-16	200-430	0			Base	T286	10	75.6	76.5
103	06-May-00	I-9	M-16	200-430	0			Base	T286	12	65.8	66.1
103	06-May-00	I-9	M-16	200-430	0			Base	T286	14	64.1	64.3
103	06-May-00	I-9	M-16	200-430	0			Base	T286	16	66.8	67.4
103	06-May-00	I-9	M-16	200-430	0			Base	T286	19	70.8	71.7
103	06-May-00	I-9	M-16	200-430	0			Base	T286	21	65.9	66.4
103	06-May-00	I-9	M-16	200-430	0			Base	T286	23	63.5	63.9
103	06-May-00	I-9	M-16	200-430	0			Base	T286	29	77.5	78.3
103	06-May-00	I-9	M-16	200-430	0			Base	T287	3	71.2	71.8
103	06-May-00	I-9	M-16	200-430	0			Base	T287	6	73.2	74.2
103	06-May-00	I-9	M-16	200-430	0			Base	T287	20	83.0	83.6
103	06-May-00	I-9	M-16	200-430	0			Base	T288	3	86.1	87.0
103	06-May-00	I-9	M-16	200-430	0			Base	T288	7	69.7	70.3

103	06-May-00	I-9	M-16	200-430	0			Base	T288	18	65.4	65.6
103	06-May-00	I-9	M-16	200-430	0			Base	T289	3	63.2	63.1
103	06-May-00	I-9	M-16	200-430	0			Base	T289	6	62.8	63.0
103	06-May-00	I-9	M-16	200-430	0			Base	T289	16	66.7	67.0
103	06-May-00	I-9	M-16	200-430	0			Base	T289	19	62.2	62.4
103	06-May-00	I-9	M-16	200-430	0			Base	T289	29	64.5	64.4
103	06-May-00	I-9	M-16	200-430	0			Base	T290	2	62.6	62.4
103	06-May-00	I-9	M-16	200-430	0			Base	T290	4	61.2	60.9
103	06-May-00	I-9	M-16	200-430	0			Base	T290	12	73.5	74.2
103	06-May-00	I-9	M-16	200-430	0			Base	T291	5	62.7	62.5
103	06-May-00	I-9	M-16	200-430	0			Base	T291	19	66.7	66.4
103	06-May-00	I-9	M-16	200-430	0			Base	T291	29	66.1	65.8
103	06-May-00	I-9	M-16	200-430	0			Base	T292	5	66.9	67.1
103	06-May-00	I-9	M-16	200-430	0			Base	T292	7	61.3	61.4
103	06-May-00	I-9	M-16	200-430	0			Base	T292	9	60.4	60.4
103	06-May-00	I-9	M-16	200-430	0			Base	T292	26	68.9	68.5
103	06-May-00	I-9	M-16	200-430	0			Base	T293	15	92.3	89.4
152	08-Jun-00	N	50 cal live	1000-2000				Base	T964	2	67.9	46.7
152	08-Jun-00	N	50 cal live	1000-2000				Base	T964	6	65.8	44.3
152	08-Jun-00	N	50 cal live	1000-2000				Base	T964	9	63.4	41.6
159	20-Apr-00	I-1	50 cal live	4000-5000	0			Base	T685	2	59.2	48.7
159	20-Apr-00	I-1	50 cal live	4000-5000	0			Base	T685	7	56.6	45.1
159	20-Apr-00	I-1	50 cal live	4000-5000	0			Base	T685	17	66.4	55.4
207	05-May-00	I-8	50 cal live	5000-6000	0			Base	T1146	10	58.9	49.5
267	04-Jun-00	N-1	50 cal live	2400-4000	0			Base	T1203	6	76.2	60.7

Table D 6. Representative unweighted noise spectra for passive small-caliber fire on Fort Stewart, GA, 2000.

CL	Date	Event	Event	File	Spec.	Band SEL (dB) at 1/3 Octave Spectrum Center Frequencies (Hz)																																					Calc.
		Type	Dist.	#	#	10	13	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	Overall
			(m)																																					SEL
36	5/10	50 cal live	5000-6000	T548	4	37	39	42	42	39	49	48	50	54	63	54	51	47	40	43	39	33	34	33	30	29	28	21	26	30	13	21	21	20	18	11	6	4		65
36	5/10	50 cal live	5000-6000	T548	9	32	36	39	34	41	50	47	52	55	55	57	52	51	46	43	38	32	33	32	29	27	26	19	23	23	12	18	16		11	10				63
36	5/10	50 cal live	5000-6000	T548	14	36	34	37	41	46	45	48	54	57	56	55	54	50	44	44	38	34	35	34	33	30	29	23	25	27	17	22	19		17	8		7		63
36	5/10	50 cal live	5000-6000	T548	24	36	36	44	39	43	47	49	52	55	56	55	52	46	45	40	37	33	33	32	30	29	27	19	23	23	24	27	20		16	6				62
36	5/10	50 cal live	5000-6000	T548	27	36	37	43	40	43	51	48	51	55	58	55	50	48	44	43	39	35	36	36	34	32	30	25	25	25	20	23	21	12	15	11				63
39	5/23	50 cal live	5000-6000	T1354	3		41	54	47	57	56	54	52	54	57	61	63	61	58	50	52	54	51	48	44	42	41	34	37	35		39	34		26	12		20		69
39	5/23	50 cal live	5000-6000	T1355	3	57	51	57	50	52	54	55	51	58	58	63	60	59	57	53	54	59	55	52	51	47	43	41	38	38	26	33	30		24	12		20		70
39	5/23	50 cal live	5000-6000	T1356	2	40	37	54	48	52	55	55	62	60	66	69	66	66	60	55	61	61	57	56	53	48	46	39	38	37	28	33	33		28	25				74
39	5/23	50 cal live	5000-6000	T1356	8	44	43	54	48	51	57	56	62	61	62	67	67	67	65	57	62	61	54	52	47	46	42	36	37	36	22	34	31		22	21		18		74
39	5/23	50 cal live	5000-6000	T1356	17	41	45	50	47	50	57	58	57	64	62	65	69	69	66	57	61	63	53	51	46	43	41	36	34	35	20	29	30	32	25	19		12		75
39	5/23	50 cal live	5000-6000	T1356	25	42	47	52	49	51	56	58	55	64	66	67	67	68	66	58	60	63	53	51	47	44	42	36	36	37	30	32	31	28	24	17		18		75
39	5/23	50 cal live	5000-6000	T1357	3		34	55	47	57	54	47	53	58	59	59	66	61	58	52	53	56	55	53	52	48	44	39	37	38	22	41	44	31	44	47	33	24		70
39	5/23	50 cal live	5000-6000	T1357	23	41	42	51	49	55	54	52	51	55	56	58	60	57	57	50	47	51	49	48	45	43	40	29	36	35		39	40	32	32	32				67
39	5/27	50 cal live	5000-6000	T1256	14	31	37	36	37	42	35	41	47	48	53	46	50	46	45	43	44	44	39	33	27	28	28	14	26	23	1	24	25	21	30	20				58
39	5/27	50 cal live	5000-6000	T1258	2	31	33	36	36	38	41	42	47	53	50	52	46	45	41	37	36	35	35	29	21	24	25	15	22	21		23	22	17	27	13				58
39	5/27	50 cal live	5000-6000	T1258	13	39	35	36	35	41	43	44	47	53	52	55	51	50	42	43	43	44	41	35	30	27	25	16	23	24	13	22	23		25	10		1		60
39	5/27	50 cal live	5000-6000	T1258	17	27		33	37	40	40	45	51	53	53	56	49	50	45	43	42	43	42	35	28	27	26	16	24	26	16	23	20		14	13		10		61
48	4/13	50 cal live	1700-2500	T479	5	48	53	56	61	61	62	57	53	53	59	57	59	57	54	52	50	50	52	52	50	47	43	37	34	32	9	28	26		20	11		9	5	70
48	4/13	50 cal live	1700-2500	T486	9	52	65	68	69	77	69	69	68	69	70	72	69	64	62	60	59	58	58	57	54	51	48	44	41	39	32	34	32	20	24	21	11	17		82
48	5/2	50 cal live	1700-2500	T907	2	40		40	34		46	41	44	47	52	56	57	53	48	47	44	40	42	44	43	41	41	34	35	36		34	38	32	24	16				62
48	5/2	50 cal live	1700-2500	T907	13			43	34		43	34	28	47	52	52	52	52	54	53	42	34	37	43	39	40	41	35	30	35		35	39	30	27	19				61
48	5/2	50 cal live	1700-2500	T907	24			49	40		43	44	0	48	50	55	55	48	48	49	42	37	41	41	30	38	38	29	33	31		35	39	35	25			22		61
48	5/4	50 cal live	1700-2500	T1247	3	42	45	57	58	50	52	54	60	58	61	66	66	64	60	58	54	56	55	54	52	50	47	43	37	33	27	28	27	15	23	19	2	13		72
48	5/4	50 cal live	1700-2500	T1247	8	36	41	55	59	48	52	56	61	58	60	62	62	63	57	57	54	54	54	54	54	52	48	42	38	32	27	25	25	16	21	17		10		71

48	5/4	50 cal live	1700-2500	T1247	10	36	41	51	47	46	50	48	56	56	56	60	54	56	52	51	49	48	50	50	47	46	41	35	32	27	20	21	20		16	13		5		66
48	5/4	50 cal live	1700-2500	T1247	26	35	39	50	58	42	47	55	60	58	55	58	59	64	56	55	51	53	54	54	52	50	45	41	35	29	26	28	26	16	23	18	13	9		69
48	5/4	50 cal live	1700-2500	T1248	11	51	53	71	67	55	62	66	63	62	71	69	63	62	62	61	58	60	63	63	61	56	53	49	43	38	32	31	31	25	28	25	10	18	2	78
51	5/18	M-16 live	700-1000	T886	7	49	51	52	52	61	53	50	53	51	55	49	44	43	41	43	47	50	53	54	54	52	48	43	41	38	37	36	36	43	37	32	23	14	2	66
51	5/18	M-16 live	700-1000	T888	17	44	51	58	67	65	62	63	61	61	55	49	46	42	41	42	44	45	49	50	50	48	48	45	42	40	35	31	27	14	25	17		9		72
71	5/24	50 cal live	5000-6000	T10	11	64	61	56	56	53	50	45	43	43	40	37	35	33	28	30	33	33	35	35	33	32	29	25	24	25	23	21	17		14	6		9		67
71	5/24	50 cal live	5000-6000	T10	16	70	66	59	58	58	56	58	60	68	67	62	63	55	51	45	40	40	40	40	39	37	35	30	30	29	17	24	22	19	24	14		9		75
71	5/24	50 cal live	5000-6000	T10	24	61	56	55	50	53	57	59	58	62	63	59	61	55	50	42	37	38	39	39	38	37	35	31	28	27	4	22	20	15	21	11	10	6		70
99	5/23	50 cal live	4400-5000	T1364	4	23	35	47	43	54	56	58	61	59	60	61	55	61	57	51	46	35	46	45	23	42	42	41	37	37	37	38	36	34	27	26	26	26	21	69
99	5/23	50 cal live	4400-5000	T1365	3			50	49	54	58	56	56	61	64	65	64	64	55	52	48	40	47	47	40	45	45		40	39		41	41		30					72
99	5/28	50 cal live	4400-5000	T504	5	44		51	51	53	57	62	63	66	66	62	55	55	54	51	49	41	47	46	40	45	44	21	40	39		39	35		25	19		19	19	72
99	5/28	50 cal live	4400-5000	T504	9	44		42	51	49	53	60	62	62	62	57	52	49	48	46	45	39	43	42	34	40	38		36	35		32	32		21	21		16		69
99	5/28	50 cal live	4400-5000	T504	14	37	49	50	53	57	60	65	62	63	66	60	59	59	59	53	50	43	48	48	37	45	44	35	41	40		40	37		29	27		28		72
103	5/3	M-16 live	200-430	T600	6			61	59	48	63	66	62	69	68	69	70	67	64	65	64	65	71	72	76	79	80	82	82	81	77	74	72	69	69	64	61	54	53	89
103	5/3	M-16 live	200-430	T600	17	62		60	62	56	64	66	64	68	68	67	68	66	64	65	63	58	63	63	65	70	74	79	81	78	74	70	68	66	64	59	52	48		86
103	5/3	M-16 live	200-430	T600	27			62	60	0	65	62	62	68	67	68	68	66	62	63	60	50	60	61	63	66	66	66	64	63	61	58	57	47	45	36		35		78
103	5/3	M-16 live	200-430	T601	4	54		58	55	0	61	65	63	68	69	68	69	66	64	63	63	57	61	61	66	71	76	78	77	77	80	74	67	68	68	64	58	51	40	86
103	5/3	M-16 live	200-430	T601	18			62	60	48	64	65	63	68	68	68	68	65	60	63	63	54	61	59	56	62	62	59	62	61	51	57	54		45	38		38		77
103	5/3	M-16 live	200-430	T602	7	63		64	59	59	64	64	66	69	69	69	70	67	63	63	62	52	63	64	68	74	78	79	77	78	79	73	67	67	66	64	62	58	44	87
103	5/3	M-16 live	200-430	T602	16	57		60	58		65	65	64	68	68	68	69	66	62	62	61	54	62	63	67	71	73	76	75	72	67	64	63	56	51	45	30	38		83
103	5/3	M-16 live	200-430	T602	26			55	61		62	65	65	68	67	67	68	66	63	63	62	57	63	63	65	70	75	80	79	76	74	71	67	66	60	61	57	52	40	86
103	5/3	M-16 live	200-430	T603	4	63	51	63	61		63	63	62	68	68	69	70	67	65	64	62	56	62	64	68	73	76	78	77	77	78	75	67	66	66	61	59	53	42	86
103	5/3	M-16 live	200-430	T603	17	57		65	64		64	66	65	70	69	68	69	68	64	64	62	55	63	64	69	73	77	78	79	77	78	75	68	66	64	63	57	54	36	86
103	5/3	M-16 live	200-430	T603	30	64		65	61		67	65	65	70	71	70	70	67	63	66	63	58	64	66	69	74	77	80	80	76	72	71	68	63	64	62	62	59	46	87
103	5/3	M-16 live	200-430	T604	5			62	59	54	66	64	65	69	71	70	69	67	64	64	63	58	63	63	67	73	76	78	76	77	78	71	67	64	65	60	60	56	40	86
103	5/3	M-16 live	200-430	T604	8	60		48			62	64	65	66	67	66	66	62	60	60	58	52	58	57	54	60	59	57	60	58	50	54	50	0	44	30		33		75
103	5/3	M-16 live	200-430	T604	14	56		62	62		62	66	59	66	63	54	65	61	49	61	59	39	58	58	51	54	55	49	54	54	0	55	56	0	42	30		33		74
103	5/3	M-16 live	200-430	T604	25	65		68	65		67	68	69	72	72	72	72	70	68	68	66	63	68	70	73	77	80	81	80	78	78	76	71	68	66	63	59	56	41	89
103	5/3	M-16 live	200-430	T605	5	62		63	59		67	65	65	68	69	67	69	65	63	65	64	56	62	60	56	62	63	61	63	61	53	56	55	40	45	36		35		78
103	5/3	M-16 live	200-430	T605	16			67	63	60	66	65	66	69	70	68	70	68	63	63	62	54	61	60	59	62	62	60	61	60	51	57	56	30	46	35		36		79
103	5/3	M-16 live	200-430	T605	25	60	51	63	60		63	65	62	67	68	68	67	67	64	63	61	51	59	59	61	64	64	63	61	61	56	58	55	42	46	38		30		78

103	5/3	M-16 live	200-430	T605	28	54		61			56	60	59	65	65	64	63	59	56	58	58	46	58	56	60	63	66	68	68	65	60	57	54	47	42	30				76
103	5/3	M-16 live	200-430	T606	4	54		63	62	48	64	65	67	68	68	68	70	67	64	64	63	58	64	65	68	72	76	77	77	74	75	71	65	62	59	54	48	38	30	85
103	5/3	M-16 live	200-430	T606	17	57		65	59		67	66	66	69	69	69	71	67	63	64	63	49	62	61	58	61	62	59	61	60	54	56	54	33	46	38		30		79
103	5/3	M-16 live	200-430	T606	30	57	51	63	60		66	67	67	70	70	70	71	68	64	66	65	58	62	61	58	61	62	59	60	59	51	55	52		44	33		38		79
103	5/3	M-16 live	200-430	T607	8	64		65	60		66	66	68	72	73	73	73	71	68	67	65	58	64	64	64	68	69	68	66	66	61	61	59	42	48	42		38		82
103	5/3	M-16 live	200-430	T607	23	51		64	64	56	68	68	68	72	72	72	73	70	67	67	66	59	65	63	60	64	64	63	64	62	50	59	56		47	42		40		81
103	5/3	M-16 live	200-430	T608	11	62		63	63		66	67	69	73	73	73	73	71	69	68	68	65	69	71	74	77	79	81	81	79	77	74	68	68	63	61	57	50	47	89
103	5/3	M-16 live	200-430	T608	24	60		65	63		65	66	65	71	70	71	71	68	68	67	65	58	64	63	61	66	67	66	65	63	57	60	57	44	47	41		37		80
103	5/3	M-16 live	200-430	T609	6	51		65	62		64	65	64	70	70	70	69	68	65	66	63	56	62	62	61	64	64	64	63	61	56	58	56	39	46	43		42	37	79
103	5/3	M-16 live	200-430	T609	8			58			54	58	45	59	59	57	60	59	55	56	55		54	52	52	49	51		44	47		49	49		39	30		35		69
103	5/3	M-16 live	200-430	T609	15	57	63	65	59		62	62	0	61	59	0	61	52	43	56	56	40	55	54	45	53	52		49	49		51	50		39			30		72
103	5/3	M-16 live	200-430	T609	19	64		59	54	48	61	61	59	65	64	63	65	62	59	58	59	53	56	57	51	57	57	53	57	56	48	51	51		42			36		74
103	5/3	M-16 live	200-430	T609	22	51		62	59	52	59	62	60	63	63	60	61	57	54	58	57	44	58	57	0	54	54	54	54	55	49	52	50		44	37		0		72
103	5/3	M-16 live	200-430	T610	7	65		66	65	57	66	66	66	71	71	71	71	68	66	65	64	54	64	63	63	66	68	68	68	66	61	60	58	44	48	40		35	33	81
103	5/3	M-16 live	200-430	T610	10	60		57	58		62	59	52	63	61	61	65	61	57	59	59	52	57	57	52	56	56	51	54	52	42	51	49	0	43	33		0		73
103	5/3	M-16 live	200-430	T610	14	60		62	61		63	61	0	64	61		64	57	0	60	57	43	58	56	0	53	53		49	50		52	50	0	42	33		35		72
103	5/3	M-16 live	200-430	T610	24	59		65	63		66	68	68	72	72	72	73	70	67	67	65	56	65	64	61	65	65	63	64	63	56	59	57	43	48	39		38		81
103	5/3	M-16 live	200-430	T611	8	61		67	66	51	68	68	69	71	72	72	73	71	68	67	66	66	74	74	72	79	79	81	80	76	69	69	72	66	64	63	60	55	42	88
103	5/3	M-16 live	200-430	T611	21	66		65	62	60	66	68	66	70	70	70	71	67	65	65	63	56	63	62	59	64	65	63	63	62	54	59	57	35	48	42		38	33	80
103	5/3	M-16 live	200-430	T612	9	59		65	64	48	67	65	63	67	67	63	67	63	61	62	61	52	61	61	60	61	62	61	61	59	52	57	58		47	36		38	33	77
103	5/3	M-16 live	200-430	T612	13	61	57	61		55	63	60	62	66	67	66	66	64	62	63	61	56	60	59	55	61	61	60	61	58	52	56	55		41	35		36		76
103	5/3	M-16 live	200-430	T612	22	57			57		64	62	62	67	65	65	67	65	66	66	62	59	65	69	71	76	77	75	75	78	76	68	66	65	60	58	53	44	35	85
103	5/3	M-16 live	200-430	T613	3			60	58		63	56	62	65	63	61	64	60	57	60	58	46	58	58	56	61	62	62	61	58	48	53	50		41	38				74
103	5/3	M-16 live	200-430	T613	12	62	51	61	59		65	61	60	66	63	62	65	62	62	62	60	54	62	62	64	69	73	75	72	65	65	63	56	52	48	41	30	36		81
103	5/3	M-16 live	200-430	T613	19			53			57	45	0	60	55	44	57	53	0	54	51	43	52	53	52	59	61	63	64	64	53	52	51	42	42	33				71
103	5/3	M-16 live	200-430	T614	9			61	54		61	60	57	62	58	55	60	57	57	58	59	56	63	67	71	76	77	79	78	79	79	74	72	72	64	60	57	52	33	87
103	5/3	M-16 live	200-430	T614	17			59	54		56	57	56	59	59	56	58	57	50	47	51	0	54	51	49	57	58	59	60	57	50	51	48	0	36	30		30		70
103	5/3	M-16 live	200-430	T615	4			58	63		65	65	65	69	67	68	68	66	64	64	61	55	62	64	66	70	72	74	72	70	67	62	61	54	53	47	38	33		81

103	5/3	M-16 live	200-430	T615	16	51		64	59		64	65	64	68	68	67	68	65	61	64	63	52	62	61	57	61	61	60	61	60	54	56	53		45	39		33		77
103	5/3	M-16 live	200-430	T615	26		54	66	59		66	62	59	68	67	67	68	65	64	64	65	62	68	69	71	73	77	78	76	72	67	68	62	65	59	53	49	41	33	84
103	5/3	M-16 live	200-430	T616	6	56		58	60	48	62	65	63	68	68	67	68	67	64	64	62	54	61	60	58	61	62	60	60	59	46	55	52		42	30		39	33	77
103	5/3	M-16 live	200-430	T616	19	63		58	66	57	64	65	64	68	67	67	69	66	64	67	64	55	62	61	59	62	61	59	61	60	55	56	54		46	39		37		78
103	5/3	M-16 live	200-430	T617	8	56		63	63	48	66	66	67	71	70	69	71	68	63	65	63	58	65	62	59	63	63	61	64	63	57	59	56	42	47	39		37		80
103	5/3	M-16 live	200-430	T617	17	54		61	61	61	65	65	65	69	69	69	69	68	65	66	66	62	67	69	71	75	78	79	81	81	73	71	70	64	61	56	54	43		87
103	5/3	M-16 live	200-430	T617	29	63		64	61		65	64	66	70	70	70	71	68	65	66	64	57	62	61	59	63	63	62	64	63	56	58	56	33	44	30		40		79
103	5/3	M-16 live	200-430	T618	5	61		57	59		64	63	65	69	68	68	68	67	64	64	61	57	61	60	58	62	62	62	62	62	58	57	54	38	40	37		30		78
103	5/3	M-16 live	200-430	T618	17	62		64	57	54	66	65	66	69	68	70	70	67	66	65	62	57	61	60	54	62	62	61	63	62	55	56	54		43	38		37		79
103	5/3	M-16 live	200-430	T619	9	51		64	63	56	68	69	68	73	72	73	73	72	68	67	66	62	66	66	68	70	71	70	69	67	64	63	60	50	50	43		41	35	83
103	5/3	M-16 live	200-430	T619	22	61		62	61	54	68	65	67	71	71	71	72	69	66	66	65	59	63	63	59	64	64	63	65	63	57	58	56	41	46	38		40		81
103	5/3	M-16 live	200-430	T620	10	65		68	59	60	68	68	69	73	73	73	74	71	70	69	67	63	66	66	68	71	73	74	75	72	68	67	63	60	54	48	39	39	30	85
103	5/3	M-16 live	200-430	T620	23	60		60	63		65	67	68	71	72	72	72	70	67	67	64	57	62	61	59	64	64	62	65	63	57	58	55		47	38		33		81
103	5/3	M-16 live	200-430	T621	3			58	51	54	63	60	64	69	70	69	70	67	66	63	62	55	61	59	63	66	68	70	70	70	68	65	59	57	52	48	36	36		80
103	5/3	M-16 live	200-430	T621	17	61		67	62		66	67	67	71	70	70	72	69	67	66	65	59	65	67	69	72	74	74	75	74	71	67	64	60	56	53	44	42		84
103	5/3	M-16 live	200-430	T622	5	64		63	59		62	66	66	69	69	70	70	68	64	65	65	62	66	69	74	77	80	79	75	70	65	70	65	63	62	63	63	54	39	86
103	5/3	M-16 live	200-430	T622	18	61		60	51	51	65	66	67	70	72	70	70	68	66	64	63	57	61	61	57	62	62	60	63	62	52	57	55	30	43	35		38		79
103	5/3	M-16 live	200-430	T623	6	59		61	51		66	67	67	69	71	70	71	68	66	65	63	55	62	60	54	63	61	60	62	61	50	55	52		42	36		40		79
103	5/3	M-16 live	200-430	T623	21	64		63	63	53	68	69	69	73	73	74	74	71	70	69	67	62	67	67	71	74	78	79	78	71	71	72	64	63	65	63	57	55		87
103	5/3	M-16 live	200-430	T624	9	66	64	67	65	54	67	69	70	73	73	73	74	72	68	69	66	59	65	64	62	68	68	67	67	68	65	64	60	48	49	44		42		83
103	5/3	M-16 live	200-430	T624	27	63		63	64	62	68	70	69	73	72	73	73	72	68	68	66	61	66	66	66	69	71	71	69	67	62	62	58	47	49	40	30	39		83
103	5/3	M-16 live	200-430	T625	8			65	61	54	67	66	68	71	71	70	71	69	67	67	65	64	68	73	75	74	80	81	83	80	77	73	72	71	68	64	63	54	37	89
103	5/3	M-16 live	200-430	T625	20			60	59	56	65	67	67	70	71	72	71	69	67	67	65	61	68	75	75	77	83	81	84	80	76	75	74	70	71	67	66	56		90
103	5/3	M-16 live	200-430	T626	8	62		65	61		65	66	65	70	69	68	71	68	65	65	65	59	63	62	59	61	61	59	60	58	41	56	54		49	37		33		79
103	5/3	M-16 live	200-430	T626	26	68	56	64	63	59	69	69	70	74	74	73	74	71	68	69	67	63	65	65	61	66	66	65	65	64	57	60	58	38	50	42		40		83
103	5/3	M-16 live	200-430	T627	9	62		62	62	54	68	68	67	72	72	72	72	69	66	67	65	58	65	63	60	65	65	63	64	63	56	59	56	39	48	41		39		81
103	5/3	M-16 live	200-430	T627	25	64		65	63		67	68	67	71	70	69	72	69	66	67	65	57	64	64	64	68	68	67	66	65	62	61	59	46	50	42		30		81
103	5/3	M-16 live	200-430	T628	11	63		66	61		68	69	64	70	69	70	71	68	64	65	64	59	64	65	67	72	74	75	77	74	68	66	68	59	55	47	45	40		84
103	5/3	M-16 live	200-430	T629	2			59	48		60	61	49	61	56	52	57	57	53	57	54	43	51	52	42	52	53		51	47		48	49		41			30		69
103	5/3	M-16 live	200-430	T629	7			58			60	0	45	63	60	54	61	56	54	56	56	36	54	53	49	57	59	60	59	57	50	52	49	33	41	30		30		71
103	5/3	M-16 live	200-430	T629	11	51		59			57	57	45	60	55	53	57	53	39	53	49	0	55	53	54	57	59	62	65	63	58	54	54	42	44	30		30		72

103	5/3	M-16 live	200-430	T629	22	57		60	56		63	60	56	64	60	62	64	60	54	58	59	45	57	57	52	61	63	63	65	64	59	57	55	33	41	30		36		75
103	5/3	M-16 live	200-430	T630	3	56		51	57		57			59	62	59	60	56	58	55	54	0	52	52	54	57	59	59	61	58	49	49	49		38	33		36		71
103	5/3	M-16 live	200-430	T630	12			48	57	54	63	60	56	64	62	61	64	59	55	56	55	45	56	58	57	61	62	60	60	57	51	52	50		40			30		73
103	5/3	M-16 live	200-430	T630	21	62		60	57		57	57	45	63	61	60	63	59	53	57	56	54	60	64	67	72	74	72	70	72	73	62	63	62	58	51	45	38		81
103	5/3	M-16 live	200-430	T631	3	59		48	48		60	56	51	62	60	62	61	59	54	59	54	47	55	53	50	54	57	55	55	54	51	51	48	38	37	35				71
103	5/3	M-16 live	200-430	T631	15	65		64	60		63	61	62	66	64	63	66	62	57	61	60	53	61	61	57	63	64	63	63	61	54	57	56	38	47	44		33		76
103	5/3	M-16 live	200-430	T631	22	60	51	55	54		60	62	64	66	64	64	65	63	58	61	58	46	58	59	57	62	62	61	60	58	51	54	53	30	44	35		37		75
103	5/3	M-16 live	200-430	T632	2	56		59			51	55	0	61	59	62	63	61	58	58	56	49	53	54	51	55	55	50	53	51	44	48	46		41	36				71
103	5/3	M-16 live	200-430	T632	10	59		56	60		60	55	56	62	61	58	61	58	54	57	54	48	52	54	47	57	58	58	59	57	50	49	47		40					71
103	5/3	M-16 live	200-430	T632	14	59		54			56	55	58	61	55	57	60	57		57	53	46	55	55	55	59	59	57	57	55	51	52	47		37	30		30		70
103	5/3	M-16 live	200-430	T633	3	57		57	62		64	64	58	64	61	62	63	61	55	61	58	57	60	63	65	70	73	77	78	77	67	65	64	59	57	54	43	37		84
103	5/3	M-16 live	200-430	T633	26			64	62		66	66		67	63		66	62	39	59	58	46	59	58	42	56	55		55	54		54	56		41	35				75
103	5/3	M-16 live	200-430	T634	5	57		65	59		64	65	64	69	68	67	71	68	66	65	65	62	66	68	71	76	79	80	79	79	76	69	71	65	66	60	57	51	37	87
103	5/3	M-16 live	200-430	T634	16	60		63	62	48	63	64	62	69	69	69	69	68	64	64	63	56	61	59	55	60	61	57	60	59	48	55	53		46	33		33		78
103	5/3	M-16 live	200-430	T634	26	65		63	56	55	61	64	65	68	68	69	69	66	63	64	62	57	62	62	65	70	73	75	76	77	70	69	68	58	56	52	46	40		84
103	5/3	M-16 live	200-430	T635	5	59		63	61	58	63	64	65	70	69	70	70	68	65	66	63	56	61	61	57	61	61	57	60	58	48	55	52		46	30		38	36	79
103	5/3	M-16 live	200-430	T635	17	63		66	59		66	65	64	69	67	67	67	64	63	63	62	55	61	59	51	59	59	55	58	56	45	53	51		45	33		36		77
103	5/3	M-16 live	200-430	T635	21	56		59	57		60	58		62	59	59	63	60	52	59	58	54	61	63	66	71	74	77	80	78	78	78	71	73	65	64	67	59	50	86
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103	5/3	M-16 live	200-430	T636	29	56		62	65		65	63	66	69	69	68	69	67	64	65	62	53	62	60	49	61	61	58	60	59	46	55	53		44	35		30		78
103	5/3	M-16 live	200-430	T637	6	63		66	64	48	63	63	64	70	70	70	70	67	65	65	63	56	61	60	56	62	60	57	60	59	40	56	55		44	36				79
103	5/3	M-16 live	200-430	T637	16	54		60	62	54	64	62	66	68	69	69	69	66	64	63	60	55	61	59	52	60	60	57	60	59	48	55	54		47	36		39	30	78
103	5/3	M-16 live	200-430	T637	30	63		63	60	57	66	66	67	71	71	70	72	69	67	67	64	59	63	65	66	70	72	75	75	75	75	67	64	56	56	49	47	41		84
103	5/3	M-16 live	200-430	T638	2	62		55	51		59	62	60	66	64	66	68	65	62	62	60	54	59	60	62	66	70	72	71	69	64	62	60	55	56	56	45	40		80
103	5/3	M-16 live	200-430	T638	17	57		65	62	54	69	67	67	72	71	72	73	71	69	67	65	60	62	63	59	64	65	62	63	63	54	58	57		46	40		39		81
103	5/3	M-16 live	200-430	T639	9	64		65	66	61	69	67	68	71	71	72	72	70	68	67	65	58	64	64	64	67	69	69	69	68	62	65	60	49	51	42		38		82
103	5/3	M-16 live	200-430	T639	21	60		65	61	50	63	64	65	69	69	69	69	67	64	63	62	54	62	60	57	61	60	59	61	60	50	55	54		46	37		30		78

103	5/3	M-16 live	200-430	T640	5	58		65	62	56	64	65	65	70	70	69	70	67	63	64	62	49	61	61	56	61	60	58	60	59	49	54	52		44	40		37		79
103	5/3	M-16 live	200-430	T640	17	60		62	63		67	66	66	70	71	71	72	70	67	67	66	68	71	73	76	81	82	84	84	83	81	76	73	74	74	69	67	63	35	92
103	5/3	M-16 live	200-430	T641	5	51		61	60		65	66	65	70	69	69	70	67	65	65	65	64	66	69	73	75	78	80	80	80	80	76	69	71	71	67	64	59	45	88
103	5/3	M-16 live	200-430	T641	16	59		61		48	55	64	64	67	67	69	68	67	63	62	60	53	58	57	53	59	60	60	61	60	54	55	52	40	45	33		30		77
103	5/3	M-16 live	200-430	T642	6	62		63	58	56	65	64	65	69	68	70	70	66	63	64	63	55	61	60	58	62	62	60	61	59	48	55	54		47	36		39	35	78
103	5/3	M-16 live	200-430	T642	20	63		66	64	57	68	69	66	71	72	71	72	68	66	66	65	61	65	67	71	73	73	75	75	75	76	69	67	65	60	60	55	44	33	85
103	5/3	M-16 live	200-430	T643	3	58		55	48		61	60	63	68	69	67	68	66	62	64	61	57	58	57	56	58	58	55	58	57	45	52	51		40	30		33		77
103	5/3	M-16 live	200-430	T643	9	51		64	62	54	65	64	68	70	69	71	70	68	64	65	64	58	62	61	59	61	61	60	61	59	49	56	55		46	39		40	30	79
103	5/3	M-16 live	200-430	T643	27	54	54	66	66	62	67	67	66	71	73	73	73	70	68	68	66	60	65	64	61	67	71	71	67	62	60	64	59	50	52	46	30	39		82
103	5/3	M-16 live	200-430	T644	7	56		63	63	54	66	67	65	70	69	68	71	67	65	65	66	73	76	73	75	81	83	85	83	83	82	82	78	75	73	70	68	65	62	92
103	5/3	M-16 live	200-430	T644	24	66		63	61	52	67	68	66	71	70	68	70	67	64	64	63	55	62	60	54	61	61	56	61	59	49	56	56		46	38		36		79
103	5/3	M-16 live	200-430	T645	3	61		61	64	52	62	64	61	68	64	65	67	64	60	61	60	47	59	56	51	57	58	51	55	54	30	53	54		44			37		76
103	5/3	M-16 live	200-430	T645	5	51		60	58		58	56	52	61	60	60	62	60	55	57	55	44	56	54	44	49	49	44	51	46		50	49		39	33		30	30	70
103	5/3	M-16 live	200-430	T645	24	64		64	58		67	67	67	72	70	70	72	68	64	67	66	61	67	69	71	75	75	77	79	80	81	79	75	73	72	68	66	59	47	88
103	5/3	M-16 live	200-430	T646	9	58		61	63	57	67	67	68	72	71	71	72	70	67	67	66	58	65	63	61	66	66	65	65	63	60	58	56	46	50	43		35		81
103	5/3	M-16 live	200-430	T646	26	66		63	64	48	67	66	64	70	71	70	71	68	67	66	64	57	64	64	63	68	68	65	64	64	61	60	57	42	48	39		39		81
103	5/3	M-16 live	200-430	T647	9	64		66	65	57	67	68	67	70	70	69	70	67	63	65	63	56	64	65	66	69	73	74	76	74	68	68	66	59	56	53	45	37		84
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103	5/3	M-16 live	200-430	T648	10			53			61	61	54	61	58	59	63	60	55	52	54	42	51	51		48	50	0	49	49		45	49					30		70
103	5/3	M-16 live	200-430	T648	18			53	56		58	61	59	63	62	61	63	60	58	57	55	42	53	54		49	51	42	46	49		46	49		36			30		71
103	5/3	M-16 live	200-430	T649	2			48	53		58	54	57	63	60	62	63	62	59	59	55	42	54	53	42	52	52	33	49	47		46	44		40	37				71
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103	5/3	M-16 live	200-430	T650	11	57		62	56		57	57	48	61	60	57	61	54	50	54	53	42	51	52		51	48		45	43		51	50					35		70
103	5/3	M-16 live	200-430	T650	14	59		58	62		63	64	45	61	63	48	61	58		60	55	39	56	52	48	50	52		50	49		51	51		39			35		72
103	5/3	M-16 live	200-430	T650	22			59	60		62	60	56	62	61	54	64	59	52	56	56	38	57	53		53	52	44	51	51		51	52		40			33		71
103	5/3	M-16 live	200-430	T651	5			66	62	62	66	66	66	71	72	72	72	71	67	66	64	57	65	64	66	69	71	71	70	68	63	62	58	47	49	42		39	30	82
103	5/3	M-16 live	200-430	T651	18	65		66	57	48	66	66	66	70	71	70	71	69	66	66	64	57	63	60	54	62	62	60	62	60	50	57	53		48	37		39		80
103	5/3	M-16 live	200-430	T651	26	65		63	58	48	63	64	68	69	70	71	71	68	65	66	63	60	63	64	66	70	72	72	69	67	66	64	60	53	50	40				82
103	5/3	M-16 live	200-430	T652	4		57	61	61	62	65	66	68	71	71	71	71	68	67	65	64	55	61	61	56	62	62	62	62	61	57	58	53	40	44	40		39		80

103	5/3	M-16 live	200-430	T652	19	65		65	62	55	66	67	68	71	71	71	72	70	67	67	66	57	64	62	56	63	63	61	62	61	53	55	53		45	40		38	54	81
103	5/3	M-16 live	200-430	T653	7	60		63	63	48	65	65	66	70	71	70	71	69	66	66	64	53	62	61	54	62	62	61	63	62	51	58	56		45	36		37	30	80
103	5/3	M-16 live	200-430	T653	16	60		60	62	54	65	66	66	71	72	73	72	70	67	68	65	61	63	65	69	74	76	77	80	80	76	73	70	67	65	62	59	52	42	87
103	5/3	M-16 live	200-430	T653	28	61		59	59	61	64	67	66	71	71	71	72	69	67	65	65	56	62	60	55	63	62	61	63	62	55	57	55	30	42	39				80
103	5/3	M-16 live	200-430	T654	7	59	54	60	62		66	65	67	70	71	71	72	69	67	66	64	57	63	62	59	62	62	60	61	60	53	55	52		46	39		37	33	80
103	5/3	M-16 live	200-430	T654	19	60	54	64	61		64	65	67	69	71	72	72	69	66	67	65	59	65	65	69	73	75	75	73	66	73	73	68	62	58	53	53	47		84
103	5/3	M-16 live	200-430	T655	9	63		64	64	58	67	69	69	73	74	74	75	73	71	70	67	62	66	66	68	72	74	74	73	71	69	67	61	55	51	43		36	30	85
103	5/3	M-16 live	200-430	T655	26	64		67	67	59	68	68	70	74	76	75	75	73	72	72	70	66	69	70	72	76	77	76	71	72	69	68	65	59	56	54	47	42	30	86
103	5/3	M-16 live	200-430	T656	10	64		60	63	59	66	69	69	73	74	75	75	72	69	70	68	63	67	68	71	75	78	80	80	78	75	69	68	65	60	55	47	35		88
103	5/3	M-16 live	200-430	T656	22	56		60	62	54	66	67	68	71	73	72	73	71	69	69	66	61	63	63	63	67	66	65	65	64	60	61	58	47	47	38		41		82
103	5/3	M-16 live	200-430	T657	6	63	51	63	60		66	66	66	70	72	72	72	70	68	69	66	59	63	62	59	64	63	63	64	63	57	58	55	47	47	42		40	30	81
103	5/3	M-16 live	200-430	T657	18	64		62	60		67	66	67	71	72	72	73	71	69	69	66	61	66	66	67	71	72	72	71	67	63	64	60	57	55	50	42	37		83
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103	5/3	M-16 live	200-430	T658	19	63		64	62	58	68	67	65	71	71	71	71	68	67	67	65	59	63	61	56	63	63	60	63	61	55	56	53		46	37		36		80
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103	5/3	M-16 live	200-430	T659	20	64		67	62		64	68	67	73	73	73	74	71	67	67	66	59	65	65	65	70	72	71	69	68	62	63	60	55	51	50	39	39	30	83
103	5/3	M-16 live	200-430	T660	10	65		66	61	48	69	69	69	73	72	73	73	71	69	68	66	61	67	68	72	76	76	75	78	74	71	65	67	63	62	60	55	48	30	86
103	5/3	M-16 live	200-430	T660	13			59	60	48	61	62	62	64	64	61	64	60	55	60	59	44	57	56	46	56	53	43	53	51	0	50	46		39	37		33		73
103	5/3	M-16 live	200-430	T660	28	64		68	64	63	70	69	70	73	74	73	73	71	69	69	68	67	74	76	78	80	82	82	82	82	74	74	75	68	66	63	58	52	36	90
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103	5/3	M-16 live	200-430	T661	9	54		60	57		59	63	60	64	62	63	63	60	57	60	56		57	56	53	57	56	54	56	54	48	53	51		39					73
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103	5/3	M-16 live	200-430	T661	25	65		60			61	54		60			55	53	53	53	48		54	53		49	50		44	45		45	52		39					69
103	5/3	M-16 live	200-430	T662	7		58	62	64	59	66	65	66	70	71	70	70	68	65	65	64	58	63	61	60	65	65	64	63	62	59	58	56	38	45	37	30	37		80
103	5/3	M-16 live	200-430	T662	24	59		63	59		68	67	68	72	73	72	73	70	67	67	66	59	65	65	67	72	75	77	80	78	74	69	70	63	61	55	55	52	35	86
103	5/3	M-16 live	200-430	T663	10	64		67	67	60	69	68	69	73	73	72	74	70	67	67	65	60	65	64	62	67	68	68	67	66	64	62	60	55	51	45	33	41	30	82
103	5/3	M-16 live	200-430	T663	12			54	58	59	57	60	51	61	61	58	61	58	56	56	53	48	52	51	0	51	52	52	49	47	36	48	50		42					70
103	5/3	M-16 live	200-430	T663	26	62		67	65	50	66	67	67	70	70	70	70	68	66	65	64	54	62	62	56	62	61	59	60	59	47	56	54		47	36		39		80

103	5/3	M-16 live	200-430	T664	10	63		61	62	56	69	67	69	72	73	72	73	70	68	68	66	58	64	64	63	68	70	71	72	71	68	65	62	55	54	48	39	41	30	83
103	5/3	M-16 live	200-430	T665	7			63	59		64	67	64	69	69	67	68	66	63	64	62	64	67	70	71	76	78	80	81	82	82	80	77	73	73	71	67	61	46	90
103	5/3	M-16 live	200-430	T665	15	64	56	64	62		65	67	66	70	70	69	70	67	65	66	64	61	64	67	71	76	78	81	82	78	73	73	70	68	59	60	57	51	30	88
103	5/3	M-16 live	200-430	T665	24	62	57	67	60	54	65	64	64	68	69	69	70	67	65	64	63	63	67	69	72	76	79	81	81	81	79	77	74	72	73	69	63	61	45	89
103	5/3	M-16 live	200-430	T666	6			64	61	57	62	63	64	69	69	69	70	68	66	65	64	68	69	73	75	79	81	83	84	83	83	81	77	74	74	71	68	62	60	92
103	5/3	M-16 live	200-430	T666	13	64		61	59		63	62	62	66	66	66	66	64	62	63	60	54	63	66	69	71	74	77	82	82	83	84	82	80	75	75	72	67	53	91
103	5/3	M-16 live	200-430	T666	16			60	56		57	61	53	62	63	57	63	60	57	59	59	56	58	61	62	64	64	65	62	65	63	65	63	56	53	47	36	35		76
103	5/3	M-16 live	200-430	T666	24	58		61	63	56	66	63	64	68	68	67	69	65	64	64	64	63	65	68	72	75	78	80	80	75	70	70	66	64	61	57	51	45		86
103	5/3	M-16 live	200-430	T667	5	61		60	61	48	64	59	62	67	67	66	69	65	61	61	62	52	61	61	60	64	65	65	64	62	53	57	57	41	47	30		35		77
103	5/3	M-16 live	200-430	T667	10	56		57			56	59	57	63	63	64	64	61	57	56	55	51	55	52	50	54	53	53	55	53	43	50	48		33			35		72
103	5/3	M-16 live	200-430	T667	13			64	62		62	60	60	64	62	61	65	60	58	59	57	47	56	55	42	55	56	56	56	54	49	54	52		42	36				73
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103	5/3	M-16 live	200-430	T667	23			60			60	59	45	63	62	61	64	62	60	59	58	56	62	66	68	74	73	72	75	74	70	62	62	58	56	52	45	43		82
103	5/3	M-16 live	200-430	T668	4			64	62		63	64	64	66	64	64	66	62	58	62	60	53	60	61	62	65	68	67	67	63	58	60	59	50	46	36		36		78
103	5/3	M-16 live	200-430	T668	11	57		51	55		51	60	60	62	62	63	63	61	56	57	54	47	53	51	0	54	53	53	52	51	35	45	47		30	37				72
103	5/3	M-16 live	200-430	T669	4	61		63	63		62	63	59	66	62	61	67	64	60	63	62	60	64	66	69	74	76	76	72	67	66	68	63	63	53	48	45	41		83
103	5/3	M-16 live	200-430	T669	11				51		53	59	56	61	59	60	62	58	53	58	57	56	60	63	70	74	76	75	70	67	66	60	61	54	51	44	37	36		82
103	5/3	M-16 live	200-430	T669	20			51	58		59	59	61	62	61	59	64	61	60	59	61	57	60	61	64	70	74	78	79	77	71	66	63	64	58	55	56	48	35	84
103	5/3	M-16 live	200-430	T669	22			57	53		58	57	59	60	59	58	60	54	53	54	56	0	52	52	46	53	53	50	52	52	43	48	49	0	35	33				69
103	5/3	M-16 live	200-430	T669	28	60			48		60	60		59	58	56	61	58	58	55	56	54	61	64	68	74	78	78	79	76	69	71	69	62	62	59	55	55	36	85
103	5/3	M-16 live	200-430	T670	2			56	57		57	60	56	62	61	56	62	58	57	58	58	60	61	63	67	69	70	72	71	65	68	66	66	61	58	55	49	37	30	79
103	5/3	M-16 live	200-430	T670	13			53	58		64	59		62	59	61	62	60	58	59	58	59	59	62	65	68	74	76	74	69	66	69	61	54	55	50	47	36		81
103	5/5	M-16 live	200-430	T99	3	50	47	49	52	52	55	58	59	63	64	65	66	66	64	61	57	56	59	60	66	70	73	75	75	72	67	63	64	60	56	51	46	44	37	82
103	5/5	M-16 live	200-430	T99	13	43	3	46	48	51	55	58	60	63	66	66	67	65	64	60	56	55	52	48	53	54	56	55	56	53	50	48	45	38	35	27	17	21		74
103	5/5	M-16 live	200-430	T99	24	33	40	45	47	48	54	57	59	63	65	66	67	65	64	60	53	53	50	49	53	54	56	55	55	54	51	50	46	40	37	28	17	20		74
103	5/5	M-16 live	200-430	T100	3	44	39	50	48	49	53	57	59	63	65	66	67	65	64	61	56	55	51	48	53	55	55	55	55	54	51	48	45	38	34	26		17		74
103	5/5	M-16 live	200-430	T100	15	38	41	46	46	50	51	54	56	60	62	62	63	63	62	57	52	48	46	47	50	50	52	51	52	51	48	45	41	35	31	23	12	17		71
103	5/5	M-16 live	200-430	T100	27	3	3	46	47	49	51	54	56	60	62	62	63	62	61	56	51	51	46	47	51	50	55	52	53	52	48	46	43	35	33	23	12	21		71
103	5/5	M-16 live	200-430	T100	29		42	42	45	48	51	53	56	60	62	64	65	63	60	58	52	52	49	45	50	52	52	52	53	52	49	48	44	38	34	26	12	12		71
103	5/5	M-16 live	200-430	T101	3	49	3	46	49	50	53	57	60	63	65	65	66	65	64	62	57	57	54	60	62	69	70	72	71	68	59	62	56	57	52	45	48	44	40	79
103	5/5	M-16 live	200-430	T101	11	36		43	43	42	47	50	60	63	64	65	65	62	61	55	48	48	44	41	48	46	48	47	47	47	45	44	40	33	29	20		15		72

103	5/5	M-16 live	200-430	T101	13	39		44	47	47	50	53	56	60	62	63	65	65	64	60	52	50	49	45	50	52	51	52	55	50	48	44	42	35	31	24	17	15		72
103	5/5	M-16 live	200-430	T101	24	40		37	43	46	50	54	57	61	63	64	64	62	61	56	50	52	45	47	51	47	50	49	51	49	47	45	42	35	30	23				71
103	5/5	M-16 live	200-430	T101	26	36	36	42	48	50	51	54	56	61	63	64	64	63	62	60	55	53	53	47	50	54	54	53	52	50	49	46	43	36	33	26		17		72
103	5/5	M-16 live	200-430	T102	4	38	44	47	51	48	53	57	60	63	65	66	67	66	65	62	56	57	53	52	56	56	58	59	59	59	56	53	50	44	41	35	26	24		75
103	5/5	M-16 live	200-430	T102	15	33	33	48	48	49	54	57	60	63	65	67	67	66	65	61	56	54	51	53	57	59	61	60	57	57	55	53	49	44	39	33	21	23		75
103	5/5	M-16 live	200-430	T102	18	40	41	44	45	48	51	55	57	60	62	63	63	62	62	56	51	49	44	46	50	49	52	50	50	50	47	44	41	31	30	24		12		71
103	5/5	M-16 live	200-430	T103	2	38	45	46	43	51	54	58	59	63	66	66	68	67	65	62	57	56	52	51	54	53	57	56	56	55	52	49	46	40	36	28		17		75
103	5/5	M-16 live	200-430	T103	5	37	35	43	48	53	56	58	62	65	67	68	68	67	65	63	57	55	51	48	52	55	54	55	55	54	51	50	46	45	48	33	33	27		76
103	5/5	M-16 live	200-430	T103	17	49	48	48	51	54	53	57	61	63	65	67	68	67	65	62	57	59	58	61	66	70	74	75	76	72	64	64	63	62	59	56	57	54	50	82
103	5/5	M-16 live	200-430	T103	21	33	39	45	45	47	52	55	57	61	63	63	64	62	60	56	53	53	47	47	52	53	53	50	53	50	47	46	43	37	33	27	12	21		71
103	5/5	M-16 live	200-430	T104	1		37	41	41	44	52	55	57	61	61	62	63	60	58	55	50	48	47	46	53	52	54	54	50	50	48	45	43	36	30	22	15	17		70
103	5/5	M-16 live	200-430	T104	3	44	39	45	47	49	51	54	57	60	62	64	65	64	61	59	55	51	49	47	48	52	53	53	52	51	48	45	41	35	31	24	12	20		72
103	5/5	M-16 live	200-430	T104	13	41	43	44	48	47	51	54	58	62	64	65	67	65	62	59	55	52	52	48	55	55	56	57	59	54	51	49	47	40	35	26	15	20		74
103	5/5	M-16 live	200-430	T105	4	43	37	44	44	47	52	55	59	62	63	64	64	63	60	56	54	51	49	49	50	52	51	51	51	49	46	44	39	32	28	21		17		72
103	5/5	M-16 live	200-430	T105	8	41		40	33	42	50	52	56	60	61	61	62	61	57	52	53	48	44	44	43	47	44	46	45	44	41	39	35	28	24	17		12		69
103	5/5	M-16 live	200-430	T105	11			42	41	46	49	54	56	59	60	61	60	59	56	52	49	45	47	45	43	46	45	45	43	42	37	35	31	12	26	12		12		68
103	5/5	M-16 live	200-430	T105	15		35	45	45	46	51	54	57	60	60	61	61	59	57	54	53	49	50	51	49	51	49	48	45	44	40	39	34	23	24	12				69
103	5/5	M-16 live	200-430	T105	18			41	45	47	51	55	58	62	62	63	62	60	58	52	52	49	49	49	47	49	48	49	49	46	43	41	37	27	28	19				70
103	5/5	M-16 live	200-430	T105	23	36		39	48	45	49	53	56	59	61	61	60	59	57	50	49	49	47	47	43	48	45	45	43	42	38	37	32	18	23	15				68
103	5/5	M-16 live	200-430	T106	24	3	40	47	50	49	55	57	60	64	65	65	66	66	65	62	57	55	54	50	53	57	57	58	59	58	54	51	49	45	40	33	25	24	12	74
103	5/5	M-16 live	200-430	T107	2	3	30	46	45	50	53	57	60	64	65	66	67	65	64	61	56	55	52	48	52	55	57	57	58	56	53	50	46	40	36	29		18		74
103	5/5	M-16 live	200-430	T107	15	3	3	43	48	51	54	57	60	63	64	65	66	65	64	61	57	54	53	50	56	59	57	57	57	57	53	51	47	43	36	28	15	21	15	74
103	5/5	M-16 live	200-430	T108	2	40	37	43	45	48	53	56	60	63	65	66	66	65	64	61	56	56	54	50	51	56	53	55	57	56	53	51	48	41	35	26	15	17		74
103	5/5	M-16 live	200-430	T108	6	5	41	48	49	52	54	58	60	64	65	66	67	65	65	62	56	56	55	52	53	56	58	59	57	57	55	51	48	44	39	32	20	19		75
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103	5/5	M-16 live	200-430	T108	20	36		40	46	49	56	56	57	66	64	67	67	66	65	64	57	58	55	51	56	58	56	59	58	59	56	53	50	43	39	31	22	15		75
103	5/5	M-16 live	200-430	T108	25			36	45	48	51	54	57	61	62	64	64	63	62	60	54	53	54	47	51	57	53	52	52	56	52	48	45	39	32	23	17	12		72
103	5/5	M-16 live	200-430	T109	3			39	46	46	50	54	58	61	62	62	63	61	60	56	52	53	50	48	53	58	58	56	57	59	56	52	49	42	36	30	21	15		72

103	5/5	M-16 live	200-430	T109	8	46	41	47	49	51	54	58	60	63	65	66	67	65	65	62	58	57	58	60	64	67	68	66	65	67	67	63	61	55	49	47	45	40	37	78
103	5/5	M-16 live	200-430	T109	18	42	36	46	48	49	52	55	58	62	63	63	65	64	61	56	54	55	55	58	61	64	67	68	70	67	63	62	56	52	46	43	41	37	30	77
103	5/5	M-16 live	200-430	T109	24	44	41	51	53	54	57	61	64	68	69	70	70	69	68	66	61	59	57	56	60	63	66	66	68	63	59	60	56	50	47	39	31	26	12	79
103	5/5	M-16 live	200-430	T110	3	33	33	45	47	48	51	53	58	61	60	61	61	60	57	52	50	50	48	47	49	50	50	49	48	46	43	42	37	28	26	20		17		69
103	5/5	M-16 live	200-430	T110	7	36	43	43	47	46	50	51	59	65	68	69	68	67	68	63	58	57	56	50	56	60	61	61	60	60	57	57	52	48	43	35	24	22	15	77
103	5/5	M-16 live	200-430	T110	16	43	41	36	42	45	48	52	55	59	60	60	60	59	54	50	49	48	46	45	44	49	45	45	44	44	40	38	34	25	21			12		68
103	5/5	M-16 live	200-430	T110	18	33		41	45	45	48	51	55	57	58	58	59	59	57	51	47	46	44	44	46	46	47	47	45	45	45	43	36	31	26	21		17		67
103	5/5	M-16 live	200-430	T111	3	46	44	50	47	49	53	57	59	63	65	66	66	66	64	60	56	54	54	52	53	59	61	60	59	54	53	51	47	41	35	28	17	22		75
103	5/5	M-16 live	200-430	T111	7	38		43	43	47	50	51	54	57	57	58	59	58	57	54	51	50	47	44	47	45	49	47	49	49	47	42	39	33	28	21		12		67
103	5/5	M-16 live	200-430	T111	10			43	45	44	49	53	55	59	60	60	59	57	53	48	50	46	47	46	43	49	48	48	47	44	40	39	34	21	23	12		12		67
103	5/5	M-16 live	200-430	T111	13	46	48	49	48	51	55	57	60	64	67	67	68	66	66	63	58	60	58	60	65	65	67	69	67	68	68	66	63	60	53	48	45	36	32	79
103	5/5	M-16 live	200-430	T111	17	46	45	47	47	50	54	58	60	64	66	67	67	66	65	62	58	55	54	51	56	58	58	58	57	55	53	52	45	42	39	31	18	23		75
103	5/5	M-16 live	200-430	T112	3	42	30	48	46	50	54	59	62	65	66	68	68	67	65	60	57	58	53	51	56	60	59	59	59	60	57	54	49	43	39	31	20	19		76
103	5/5	M-16 live	200-430	T112	5	39	41	43	45	46	51	54	57	60	62	63	64	63	61	53	52	53	50	48	54	57	53	56	57	55	53	50	48	43	37	27	22	18		72
103	5/5	M-16 live	200-430	T112	7	42	42	37	41	44	52	54	57	62	64	65	65	63	62	61	56	52	51	46	51	55	52	53	56	57	53	49	46	39	35	26	15	18		73
103	5/5	M-16 live	200-430	T112	19	33	3	43	49	51	54	57	60	64	66	67	67	66	67	63	57	56	57	53	58	61	61	62	62	58	59	56	52	48	43	38	32	23		76
103	5/5	M-16 live	200-430	T113	4	42	33	43	47	45	51	55	57	61	63	64	64	64	63	57	52	52	50	48	53	57	56	54	53	52	48	46	44	38	34	26		17		72
103	5/5	M-16 live	200-430	T113	8	44	5	47	50	50	55	58	60	64	66	67	67	65	64	63	57	57	56	56	60	65	66	63	61	60	58	56	53	48	44	37	28	25	12	76
103	5/5	M-16 live	200-430	T114	2	44	51	48	47	51	49	53	56	59	60	60	61	60	60	56	49	49	47	46	50	50	54	52	54	53	52	50	45	37	30	20	15	18		70
103	5/5	M-16 live	200-430	T114	12		37	46	47	46	50	54	56	60	62	62	62	59	59	56	51	53	52	55	58	59	62	62	61	61	56	55	52	48	43	36	27	22	17	72
103	5/5	M-16 live	200-430	T114	19	36	46	45	45	48	51	53	56	60	62	62	63	61	60	54	50	51	47	45	53	53	53	51	54	49	50	46	41	37	31	23	12	21	12	71
103	5/5	M-16 live	200-430	T114	26		30	45	41	48	50	54	56	60	62	63	64	61	61	54	55	51	46	47	53	52	57	56	57	55	52	51	47	43	35	27	21	17		71
103	5/5	M-16 live	200-430	T115	3			41	46	47	49	53	55	58	59	61	62	62	61	56	50	49	46	46	51	50	52	53	53	53	51	46	43	38	32	22	12	21		70
103	5/5	M-16 live	200-430	T115	12	36		43	43	47	50	54	55	59	62	62	63	61	60	56	51	52	47	47	52	51	53	52	52	50	46	45	42	36	30	24	12	17		70
103	5/5	M-16 live	200-430	T115	21		44	48	43	48	51	53	57	60	62	62	62	62	60	57	55	57	55	53	56	59	62	60	59	56	56	52	50	45	39	32	21	18		72
103	5/5	M-16 live	200-430	T116	3	39		45	43	45	52	54	56	59	61	62	63	60	61	55	52	51	48	52	56	59	63	63	63	60	55	53	50	45	40	33	22	21		73
103	5/5	M-16 live	200-430	T116	10	47	48	46	45	47	52	53	55	59	60	60	62	61	59	55	51	50	51	53	58	60	63	64	64	62	56	54	53	47	44	37	29	24	12	73
103	5/5	M-16 live	200-430	T116	19	42		48	49	47	51	54	57	59	60	61	61	60	61	57	52	53	48	48	54	53	54	55	54	53	50	48	44	40	34	25	12	21		70
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103	5/5	M-16 live	200-430	T117	20	42		48	45	48	52	54	56	59	61	61	61	61	60	56	52	50	48	50	57	54	55	58	59	53	53	47	47	40	34	31	21	19	12	71

103	5/5	M-16 live	200-430	T118	3			47	48	48	52	54	56	59	61	62	62	61	61	57	53	52	52	55	58	62	62	63	60	56	58	53	50	46	42	34	27	19	12	73
103	5/5	M-16 live	200-430	T118	11	41		46	47	48	52	56	57	60	62	63	63	60	60	54	53	54	52	55	59	62	64	66	65	61	60	56	53	50	44	36	28	23		74
103	5/5	M-16 live	200-430	T118	21	43	41	47	46	45	51	55	58	61	62	63	63	62	62	57	53	53	53	58	61	67	68	65	60	64	63	58	55	52	47	40	29	24	17	75
103	5/5	M-16 live	200-430	T119	3	36		50	47	50	54	57	59	63	63	64	65	63	62	58	55	53	51	51	53	56	60	59	58	56	51	51	48	44	37	28	18	19		73
103	5/5	M-16 live	200-430	T119	13	46	44	53	50	51	54	58	60	63	65	65	66	65	63	60	57	56	53	52	55	56	59	59	58	57	55	53	48	42	36	30	19	18	17	74
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103	5/5	M-16 live	200-430	T119	27	42	30	40	45	46	48	52	53	57	58	57	59	58	53	50	48	47	44	46	48	47	49	49	47	46	42	40	36	29	26	12		12		66
103	5/5	M-16 live	200-430	T120	4	36	37	50	47	50	53	57	59	62	63	64	64	62	63	60	57	60	56	51	56	59	61	61	62	61	61	58	52	50	41	32	18	23		74
103	5/5	M-16 live	200-430	T121	3	40	46	47	43	44	47	50	54	56	57	57	57	58	56	51	46	45	43	44	46	46	47	47	46	45	43	40	37	27	32	21		12		66
103	5/5	M-16 live	200-430	T121	13		43	48	46	45	50	53	56	60	60	61	62	62	60	54	50	50	48	46	47	51	49	48	48	47	44	42	36	27	24	21		19		70
103	5/5	M-16 live	200-430	T121	18	40	33	41	44	42	46	52	55	57	58	59	60	58	55	51	52	49	46	44	44	47	45	45	46	45	38	37	32	23	24	12		15		67
103	5/5	M-16 live	200-430	T121	25	33		44	33	41	49	52	55	58	58	60	61	59	57	54	48	45	45	43	43	46	45	44	42	41	41	39	34	23	23	18		17		68
103	5/5	M-16 live	200-430	T121	27			41	45	44	48	50	53	57	59	60	60	58	56	52	48	46	47	47	42	47	44	43	43	40	38	36	32	35	26					67
103	5/5	M-16 live	200-430	T122	2	40	30	46	41	43	49	51	54	57	59	59	59	57	54	49	48	48	47	45	41	46	44	43	42	40	36	35	29	17	21	22		12		67
103	5/5	M-16 live	200-430	T122	5	42	37	48	46	47	50	53	57	60	60	61	60	59	57	54	52	48	47	47	46	49	47	47	47	45	42	39	36	24	27	17				69
103	5/5	M-16 live	200-430	T123	2	39		49	47	47	49	50	54	57	58	59	60	59	57	53	51	49	45	45	47	46	50	48	48	46	46	43	39	33	29	20				68
103	5/5	M-16 live	200-430	T123	9	44	43	50	47	50	49	52	55	59	59	60	61	60	59	54	53	51	49	47	48	52	49	49	48	47	42	41	39	32	28	18				69
103	5/5	M-16 live	200-430	T123	14		45	47	45	44	50	52	56	60	60	61	61	59	57	53	50	49	47	46	47	52	46	49	47	46	42	40	36	32	27	15		15		69
103	5/5	M-16 live	200-430	T123	19		41	54	46	41	46	52	55	59	61	61	60	59	55	51	47	48	49	45	40	44	45	46	46	42	37	35	32	20	21	12				68
103	5/5	M-16 live	200-430	T123	22		33	51	46	46	51	54	58	62	62	63	63	62	59	54	53	51	48	47	49	51	50	49	48	46	44	41	37	28	26	17				71
103	5/5	M-16 live	200-430	T123	24	36		44	45	43	49	51	56	59	59	61	60	59	56	49	50	48	46	46	43	47	45	44	42	41	36	35	31	18	20	17				68
103	5/5	M-16 live	200-430	T124	1	41	33	52	47	47	47	50	54	57	56	57	58	58	55	52	48	44	45	45	47	46	46	47	47	47	42	40	36	31	22	19		15		66
103	5/5	M-16 live	200-430	T125	2			46	43	44	49	54	57	60	61	63	63	63	60	57	58	54	53	55	53	54	53	52	50	47	48	43	39	33	29	23	17	15		71
103	5/5	M-16 live	200-430	T125	14			44	45	46	52	55	60	63	64	64	65	64	61	58	56	56	52	50	50	53	53	52	52	50	49	46	41	35	27	20	12	15		73
103	5/5	M-16 live	200-430	T125	18		33	47	43	47	51	53	56	60	60	62	61	59	55	52	51	53	52	48	46	51	48	48	46	46	44	40	34	27	26	17		12		69
103	5/5	M-16 live	200-430	T125	20	46	33	45	39	0	40	36	55	60	61	62	60	56	53	46	50	51	50	45	43	50	46	49	46	45	44	38	33	35	25	15		19		68

103	5/5	M-16 live	200-430	T125	24	36	33	45	42	45	50	54	56	60	60	61	62	62	59	55	50	50	48	46	47	51	49	49	48	46	43	41	37	26	27	15		17	12	70
103	5/5	M-16 live	200-430	T126	7	46	48	54	54	56	61	64	68	70	72	73	72	71	70	67	66	67	65	66	70	73	74	75	74	70	67	63	59	55	49	43	34	34	25	84
103	5/5	M-16 live	200-430	T126	12	36		46	44	48	49	54	56	60	61	62	62	61	59	56	52	52	49	50	52	57	58	62	63	57	53	53	50	43	40	32	26	21		72
103	5/5	M-16 live	200-430	T126	19	45	45	51	52	55	58	62	65	68	70	71	71	69	67	64	63	65	63	61	66	71	67	68	67	65	62	59	55	51	47	40	33	32	26	80
103	5/5	M-16 live	200-430	T126	23	33	41	45	45	48	49	53	56	60	61	62	62	61	60	58	55	57	56	50	48	54	50	52	53	51	50	46	42	37	33	24		12		71
103	5/5	M-16 live	200-430	T126	28			45	45	47	50	54	56	60	61	62	62	60	59	55	53	54	51	46	49	53	51	57	56	50	47	44	41	34	31	23	15	12		70
103	5/5	M-16 live	200-430	T127	5	51	51	53	55	57	59	62	65	68	69	69	69	67	65	62	61	62	62	65	71	76	76	77	75	71	68	64	61	58	55	51	45	42	36	84
103	5/5	M-16 live	200-430	T127	15	44	46	51	51	56	59	62	65	68	69	70	70	67	65	62	61	64	63	60	67	71	73	73	71	66	62	61	56	53	47	41	37	33	29	81
103	5/5	M-16 live	200-430	T127	17			48	42	35	45	49	56	60	61	61	61	59	56	56	53	53	51	44	48	54	51	54	56	52	48	43	39	32	31	23	12	15		69
103	5/5	M-16 live	200-430	T127	27	52	53	53	53	54	58	60	63	66	67	68	67	65	63	61	59	60	59	57	63	71	70	73	71	64	61	59	56	52	48	44	40	38	34	80
103	5/5	M-16 live	200-430	T128	4	53	53	57	54	55	60	63	63	69	68	71	70	69	67	63	62	62	61	59	63	68	71	72	70	65	65	59	57	52	46	40	30	27	12	81
103	5/5	M-16 live	200-430	T128	14	51	50	55	54	54	58	62	64	67	69	70	69	67	65	63	62	64	63	63	68	73	76	75	71	65	64	63	58	53	47	42	34	31	26	82
103	5/5	M-16 live	200-430	T128	26	55	55	56	55	56	60	63	66	69	71	71	71	69	67	64	62	63	62	62	66	71	72	74	73	72	67	62	57	54	50	44	36	32	27	83
103	5/5	M-16 live	200-430	T128	28	47	50	55	51	48	53	54	57	60	62	62	63	61	60	54	52	51	51	51	56	59	60	66	64	57	52	52	49	38	33	26	18	19		73
103	5/5	M-16 live	200-430	T129	4	50	51	57	54	55	60	63	66	69	71	72	72	70	68	64	62	62	61	62	66	70	72	73	71	69	66	64	60	59	52	43	34	31	26	82
103	5/5	M-16 live	200-430	T129	15	49	50	55	53	55	57	61	64	67	69	70	70	67	65	63	60	61	60	59	64	73	69	72	67	64	60	56	54	49	42	38	33	29	26	80
103	5/5	M-16 live	200-430	T130	8	53	50	59	56	58	62	65	67	72	72	74	74	72	69	66	64	64	63	62	66	71	72	75	75	71	67	64	60	56	51	45	39	33	31	84
103	5/5	M-16 live	200-430	T130	18	42	48	53	51	53	58	61	64	67	69	70	70	69	66	62	60	61	58	57	61	64	66	69	68	67	66	61	58	54	45	41	32	26	17	80
103	5/5	M-16 live	200-430	T130	24	49	48	56	53	56	60	62	65	70	70	72	72	71	69	66	63	62	61	59	62	66	67	69	69	67	65	61	60	55	49	42	34	28	18	81
103	5/5	M-16 live	200-430	T131	0	43	40	54	51	51	58	61	64	66	68	69	70	68	66	63	61	61	58	59	63	68	69	71	72	69	66	61	60	55	52	47	44	39	29	80
103	5/5	M-16 live	200-430	T131	8	51	49	55	52	55	59	62	65	68	69	71	71	69	67	64	63	62	60	61	66	70	72	74	72	68	67	65	62	56	56	49	45	43	38	82
103	5/5	M-16 live	200-430	T131	11	38	42	48	45	45	51	53	56	60	61	62	62	61	59	56	53	52	50	45	45	54	51	54	51	49	49	46	41	37	31	25	21	21		70
103	5/5	M-16 live	200-430	T131	19	50	49	53	50	55	58	62	64	68	69	70	69	67	65	61	59	59	58	54	58	62	62	64	64	64	60	59	54	49	43	36	25	25		78
103	5/5	M-16 live	200-430	T132	4	43	48	52	51	51	57	60	63	66	67	69	69	68	66	63	59	58	55	53	57	62	63	65	65	62	60	57	54	48	41	33	24	26		78
103	5/5	M-16 live	200-430	T132	9	33	33	52	50	48	50	54	55	59	60	61	60	59	59	56	53	52	52	51	56	59	59	60	57	56	53	52	48	44	39	33	21	23	12	71
103	5/5	M-16 live	200-430	T132	17	47	49	56	55	55	59	64	67	70	70	72	72	71	69	65	63	63	61	60	64	67	71	73	71	69	67	63	60	55	54	43	41	37	27	82
103	5/5	M-16 live	200-430	T133	6	40		43	47	45	50	53	57	61	61	61	61	60	59	55	54	51	49	47	46	51	49	50	48	47	43	40	36	29	26	17		12		69
103	5/5	M-16 live	200-430	T133	9	42		44	39	44	49	51	55	58	59	59	59	58	55	52	50	48	45	43	43	47	44	45	45	44	40	37	32	15	19	20		15		67
103	5/5	M-16 live	200-430	T133	12	39		41	37	42	47	49	53	56	57	58	56	54	52	47	48	47	44	42	38	44	42	44	42	40	37	36	31	17	22	17				65
103	5/5	M-16 live	200-430	T133	14	47		37	44	43	48	51	53	56	58	60	58	56	53	48	47	47	45	45	41	46	43	44	42	40	36	36	31	17	24	12		17		66
103	5/5	M-16 live	200-430	T133	19	45	30	44	49	50	53	56	58	62	63	64	63	61	58	54	52	51	50	48	47	51	49	49	48	47	43	41	37	26	26	24		22		71

103	5/5	M-16 live	200-430	T133	28	42	41	42	45	46	49	53	56	58	59	60	60	57	53	52	50	46	44	42	46	47	47	46	46	43	40	39	34	27	25	18		12		67
103	5/5	M-16 live	200-430	T134	1	36		44	43	48	50	52	56	59	60	61	62	60	56	53	49	45	46	45	44	45	44	45	45	42	38	37	31	20	21	15		18		68
103	5/5	M-16 live	200-430	T135	5	46	42	52	49	53	59	60	65	68	68	70	71	69	66	62	60	60	58	60	64	66	68	67	65	65	64	60	57	52	49	40	34	26	15	79
103	5/5	M-16 live	200-430	T135	16	44	43	50	52	51	56	59	62	66	67	69	69	68	66	63	60	59	56	57	59	63	63	64	62	60	58	55	52	46	40	33	21	23	12	77
103	5/5	M-16 live	200-430	T135	19		40	39	42	47	47	52	55	58	59	61	63	61	58	56	51	49	48	52	53	53	57	59	57	50	51	48	43	40	33	34	36	31		70
103	5/5	M-16 live	200-430	T136	3	36	46	43	46	46	53	59	64	64	64	68	67	66	64	60	57	56	56	58	62	66	67	68	67	64	63	67	64	55	47	41	32	26	18	78
103	5/5	M-16 live	200-430	T136	7	44	43	47	50	51	54	57	61	64	65	66	66	64	62	58	54	55	53	56	59	60	61	61	61	58	57	54	53	49	42	33	23	23		75
103	5/5	M-16 live	200-430	T136	20	42	48	52	55	56	61	64	67	69	71	72	73	71	69	65	62	62	59	60	62	65	66	67	66	64	61	59	55	50	44	35	23	27	15	81
103	5/5	M-16 live	200-430	T137	3	42		46	48	54	57	58	62	65	67	67	68	66	63	59	58	58	56	57	60	63	63	62	62	61	59	55	52	46	41	32	23	23		76
103	5/5	M-16 live	200-430	T137	7	36	41	50	51	53	56	59	63	66	67	69	69	67	64	60	59	57	55	55	58	62	61	64	64	63	59	56	51	46	40	31	21	25		77
103	5/5	M-16 live	200-430	T137	11			46	48	47	50	51	54	57	59	58	58	57	55	50	53	56	56	62	63	65	67	66	63	64	65	65	60	55	48	45	36	27	18	75
103	5/5	M-16 live	200-430	T137	24	47	48	52	56	58	61	63	66	71	71	73	72	70	67	63	61	62	62	62	66	69	72	73	73	71	67	63	61	56	52	48	40	33	21	82
103	5/5	M-16 live	200-430	T138	6	51	50	51	55	53	58	63	65	68	69	70	71	69	65	62	58	58	58	60	64	65	67	67	64	62	61	58	55	49	45	38	30	26		79
103	5/5	M-16 live	200-430	T138	18	46	48	48	51	51	55	61	65	65	67	69	69	67	64	62	59	56	55	55	58	61	61	61	61	59	56	53	49	43	39	31	19	21		77
103	5/5	M-16 live	200-430	T138	21	33	33	47	51	52	54	58	62	65	66	67	68	67	64	60	56	55	54	56	57	58	60	59	58	57	54	51	48	42	36	28	12	20		76
103	5/5	M-16 live	200-430	T139	2	39		46	46	42	43	43	53	58	60	61	62	62	59	53	49	50	42	45	48	43	50	49	48	45	44	43	41	38	30	21		17		69
103	5/5	M-16 live	200-430	T139	6	44	43	50	56	52	55	57	60	63	65	66	66	64	63	58	56	56	53	54	56	58	58	60	59	58	56	53	49	44	39	32	29	24		74
103	5/5	M-16 live	200-430	T139	20	46	49	52	55	55	59	62	65	67	69	72	73	70	67	65	61	61	61	63	67	69	72	73	73	72	70	67	61	57	54	50	43	42	37	83
103	5/5	M-16 live	200-430	T139	23	48	42	49	48	53	53	56	61	63	65	66	66	64	63	61	57	54	53	54	57	59	59	62	62	61	58	57	52	46	42	36	24	22		75
103	5/5	M-16 live	200-430	T140	2	49	48	48	51	51	54	58	61	64	66	69	70	67	66	62	59	56	53	51	56	59	59	60	59	58	56	53	50	45	40	31	19	23		77
103	5/5	M-16 live	200-430	T140	7	50	48	47	52	53	55	59	61	65	66	68	68	67	66	62	58	58	54	52	56	58	59	60	58	56	54	51	46	41	36	29	15	23		76
103	5/5	M-16 live	200-430	T140	11	40	40	43	41	45	48	52	55	59	59	61	62	60	56	51	51	49	51	44	47	51	48	52	49	47	46	43	39	31	28	17		17		69
103	5/5	M-16 live	200-430	T140	20		35	48	51	53	55	58	62	64	65	67	68	66	64	61	58	55	52	51	54	55	55	55	56	55	52	51	48	42	36	29	12	22		75
103	5/5	M-16 live	200-430	T140	23	43	40	48	49	51	55	58	61	64	65	67	67	66	63	60	56	56	52	51	54	54	56	56	56	54	52	49	45	38	34	26	23	15		74
103	5/5	M-16 live	200-430	T141	7	44	48	49	51	53	57	62	64	67	69	69	70	69	66	62	60	59	57	58	61	65	67	69	70	67	64	59	57	52	46	41	34	27	20	80
103	5/5	M-16 live	200-430	T142	2	38		36	45	46	48	50	54	57	59	60	58	56	52	48	45	44	44	42	39	42	41	41	40	39	33	34	30		24	12				66
103	5/5	M-16 live	200-430	T142	4	38	33	41	45	45	49	51	54	58	58	60	60	58	57	56	52	47	44	44	42	44	45	43	43	42	36	36	34	33	22	12		19		67
103	5/5	M-16 live	200-430	T142	9			39	44	43	49	51	54	57	59	60	60	57	54	49	44	43	45	41	40	44	43	41	39	38	35	35	30		21			18		67

103	5/5	M-16 live	200-430	T142	16	47	48	45	47	46	49	51	56	59	59	59	59	59	56	49	48	47	46	43	44	46	44	43	42	41	38	37	36	34	28	12				67
103	5/5	M-16 live	200-430	T142	18	48	49	48	46	47	49	50	51	55	55	55	55	56	53	49	48	47	45	40	42	45	42	42	40	40	35	35	30		22	12				64
103	5/5	M-16 live	200-430	T143	2	44	37	30	44	49	53	51	55	61	58	60	59	57	52	49	46	47	46	44	43	48	44	45	43	41	36	35	30		19	12		15		67
103	5/5	M-16 live	200-430	T143	6			43	43	47	48	51	55	58	59	59	58	57	55	49	46	45	43	41	41	45	42	41	41	40	33	35	29		24	15		15		67
103	5/5	M-16 live	200-430	T143	9	36	3	44	46	48	50	54	57	61	62	62	62	61	59	54	52	48	48	44	45	48	46	45	45	44	41	39	38	34	26	17				70
103	5/5	M-16 live	200-430	T144	5	44	40	50	51	52	56	59	63	65	67	68	69	68	66	63	58	56	55	55	59	62	63	63	62	60	60	56	53	47	40	32	23	24		77
103	5/5	M-16 live	200-430	T144	13	46	6	48	50	51	56	58	62	65	66	67	68	66	64	62	59	57	54	57	60	64	65	64	63	61	61	57	53	47	41	33	24	24	12	77
103	5/5	M-16 live	200-430	T144	20	42	40	47	46	52	53	58	60	63	64	66	66	64	62	59	58	56	54	56	61	66	67	68	70	65	58	58	52	48	42	35	27	26	18	77
103	5/5	M-16 live	200-430	T144	25	42	33	47	46	47	51	53	57	60	62	62	62	59	58	57	55	54	49	50	54	59	62	61	58	57	56	53	49	42	36	29	18	21		72
103	5/5	M-16 live	200-430	T145	4	42	39	42	49	53	55	57	60	63	65	66	66	63	60	58	56	55	56	59	62	66	68	69	70	67	60	58	54	49	44	39	29	24		78
103	5/5	M-16 live	200-430	T145	13			46	49	49	56	57	61	64	66	67	67	65	63	60	56	54	54	55	59	63	65	64	62	61	60	58	53	49	41	34	24	25		76
103	5/5	M-16 live	200-430	T145	16	3	44	43	45	42	51	54	55	58	60	61	62	61	62	59	53	54	52	53	59	61	64	65	62	57	57	57	55	51	48	40	31	27	19	73
103	5/5	M-16 live	200-430	T145	23	48	45	49	52	52	56	59	63	66	67	68	68	66	63	61	60	59	55	58	62	65	67	66	65	65	61	59	53	49	41	34	24	24	12	78
103	5/5	M-16 live	200-430	T146	3	47	45	48	49	49	53	57	61	63	65	66	65	63	62	59	57	56	53	55	59	63	65	65	63	60	58	55	51	47	41	35	24	23		75
103	5/5	M-16 live	200-430	T146	12	46	44	48	49	51	54	57	60	64	65	66	66	64	62	59	57	57	57	63	67	71	73	73	73	74	69	64	63	59	58	53	51	49	42	81
103	5/5	M-16 live	200-430	T146	21	45	47	48	47	51	54	58	60	64	65	66	66	64	61	59	57	55	53	54	56	60	61	62	62	60	57	55	51	46	39	31	19	21	12	75
103	5/5	M-16 live	200-430	T147	4	45	42	50	47	49	51	54	58	61	63	63	63	61	57	54	55	53	52	54	58	62	63	62	59	61	59	57	53	48	42	32	22	22	12	73
103	5/5	M-16 live	200-430	T147	13	50	48	49	52	52	57	59	62	65	67	68	68	67	65	62	59	58	60	65	69	73	74	73	72	70	66	62	61	56	56	53	47	44	40	82
103	5/5	M-16 live	200-430	T147	22	42	44	49	52	53	56	59	63	66	68	68	68	67	65	63	60	58	56	59	62	66	67	68	67	63	57	57	53	51	45	40	34	27	12	78
103	5/5	M-16 live	200-430	T148	2		39	42	46	49	52	55	58	61	63	63	64	62	61	58	54	54	50	49	52	56	56	58	58	55	54	51	48	41	36	28	20	19		72
103	5/5	M-16 live	200-430	T148	10	44		40	42	49	55	54	54	64	60	64	65	62	61	58	52	51	50	51	56	59	60	60	59	57	57	53	48	44	39	31	22	19		73
103	5/5	M-16 live	200-430	T148	19	39		41	45	49	49	52	58	61	63	64	64	62	61	58	51	47	45	45	46	52	53	53	55	51	49	49	44	39	34	26	12	19		72
103	5/5	M-16 live	200-430	T148	29	33	35	45	49	48	53	55	58	62	63	64	65	63	61	59	54	52	52	55	59	63	66	67	68	64	55	58	53	48	44	39	28	24	12	76
103	5/5	M-16 live	200-430	T149	3	54	52	54	50	52	54	56	59	63	64	65	65	63	62	58	55	54	52	54	58	63	64	66	66	66	61	56	59	49	45	39	30	24		76
103	5/5	M-16 live	200-430	T149	11	45	36	43	47	50	51	55	58	61	62	63	64	61	59	55	51	47	47	44	48	52	53	54	54	51	49	49	44	40	33	26	12	18		71
103	5/5	M-16 live	200-430	T149	22	43	47	45	46	50	53	56	58	61	62	63	63	62	59	56	53	52	53	59	62	66	70	70	70	69	62	63	60	56	55	51	47	44	37	78
103	5/5	M-16 live	200-430	T150	2	39		42	40	35	42	47	52	61	62	63	62	62	61	56	53	47	43	42	42	40	41	42	41	42	40	38	34	22	24	18		15		70
103	5/5	M-16 live	200-430	T150	4		33	42	42	40	49	51	54	58	58	59	58	56	54	49	50	46	46	44	39	46	43	44	43	41	35	35	32	18	22	18		15		66
103	5/5	M-16 live	200-430	T150	7			33	39	36	38	37	50	56	58	59	60	58	55	50	47	39	39	38	36	39	38	36	39	39	39	38	35	22	24					66
103	5/5	M-16 live	200-430	T150	9			37	37	0	43	40	51	56	57	57	58	57	54	50	49	44	40	38	35	41	39	39	39	39	35	36	31	15	21			19		65
103	5/5	M-16 live	200-430	T150	12	40	30	30	35	46	46	52	54	58	59	60	59	57	54	48	45	41	43	41	40	43	40	40	40	41	47	45	42	40	32	24				67

103	5/5	M-16 live	200-430	T150	16	36		39	42	46	47	51	55	57	58	58	58	56	53	48	44	42	43	42	39	45	42	43	40	40	35	36	32	18	19	12				66
103	5/5	M-16 live	200-430	T150	20			37	41	45	49	50	55	58	59	60	60	58	55	50	45	39	41	39	39	44	39	39	39	41	48	49	43	41	32	25				67
103	5/5	M-16 live	200-430	T151	1			39	43	45	48	52	55	58	59	60	60	59	56	53	51	45	45	47	47	48	48	46	44	43	39	38	35	25	24			15		68
103	5/5	M-16 live	200-430	T151	4		33	44	45	44	49	52	55	59	59	60	59	57	53	50	48	40	43	43	43	45	44	42	41	41	42	44	36	29	27	19				67
103	5/5	M-16 live	200-430	T151	10	40	45	47	45	44	49	53	56	61	62	63	62	61	58	54	53	46	44	42	44	46	45	44	45	46	53	47	51	35	32	21				70
103	5/5	M-16 live	200-430	T152	4	45	44	44	48	51	53	57	59	62	63	64	64	62	59	56	52	49	48	46	46	49	47	47	46	45	42	41	37	17	26	19		21		71
103	5/5	M-16 live	200-430	T152	8		39	42	43	44	49	52	55	58	58	59	60	59	55	51	46	44	44	43	42	45	42	42	42	41	37	36	30	12	24	12		20		67
103	5/5	M-16 live	200-430	T152	10		45	44	42	45	46	51	54	57	59	60	59	58	55	49	45	42	43	40	39	43	41	43	41	39	35	36	29		24					67
103	5/5	M-16 live	200-430	T152	13	38	39	44	48	49	51	54	57	61	61	62	62	61	57	52	50	46	47	46	43	48	45	45	45	43	39	39	32	12	22	18				70
103	5/5	M-16 live	200-430	T152	16	42	42	43	45	43	53	50	58	61	61	62	63	61	57	53	45	46	46	45	45	48	45	45	45	43	38	37	31		23	15				70
103	5/5	M-16 live	200-430	T152	20		33	37	40	42	48	52	53	57	57	57	57	56	53	46	44	42	45	42	38	44	41	42	42	39	36	36	30	12	24	12				65
103	5/5	M-16 live	200-430	T153	2	38	33	44	47	45	49	51	53	58	58	59	59	58	55	52	48	44	43	42	42	45	45	43	44	43	39	39	33	17	25	18				67
103	5/5	M-16 live	200-430	T154	2	36		42	42	44	47	51	53	56	57	59	58	56	54	50	45	46	46	44	39	45	43	40	39	38	33	35	29		18	12				66
103	5/5	M-16 live	200-430	T154	10	44	45	41	44	45	47	52	54	57	58	60	59	57	53	49	45	46	46	44	41	46	43	42	41	40	35	35	30		20	17				67
103	5/5	M-16 live	200-430	T154	23	59	61	59	55	54	51	52	53	56	57	59	56	54	48	47	46	44	46	43	41	44	43	37	40	39	25	33	28		25	17				68
103	5/5	M-16 live	200-430	T155	2	46	39	41	49	48	52	54	58	61	62	63	63	60	58	56	52	50	49	46	45	48	46	46	45	44	39	39	34	23	25	18		17		70
103	5/5	M-16 live	200-430	T155	12	38	36	44	48	45	49	56	55	59	61	60	61	59	55	51	52	50	49	48	45	47	47	47	44	49	37	38	33	12	28	22		15		69
103	5/5	M-16 live	200-430	T155	16	46	44	45	40	30	39	38	49	56	58	59	59	60	57	50	45	46	46	43	42	44	42	41	39	38	34	34	31	15	23	12		15		66
103	5/5	M-16 live	200-430	T155	21	45	33	44	47	40	52	51	57	59	60	60	61	60	56	52	48	49	48	45	44	49	46	45	45	43	39	37	32	17	23	19		12		68
103	5/5	M-16 live	200-430	T155	25	46		47	45	48	52	55	57	61	61	63	62	60	58	57	54	52	51	51	48	51	49	49	48	46	40	40	35	19	27	22		15		70
103	5/5	M-16 live	200-430	T156	2	43	43	33	45	47	48	50	52	55	55	56	56	57	58	53	49	46	45	41	41	43	43	42	41	40	36	36	30	12	21	18		17		65
103	5/5	M-16 live	200-430	T157	3	47	48	50	52	50	54	58	63	66	67	66	69	66	67	65	63	62	61	64	69	72	74	75	75	74	68	64	62	61	56	53	48	43	40	83
103	5/5	M-16 live	200-430	T157	15	43	33	48	51	53	55	59	62	65	66	67	67	65	63	62	60	58	54	52	55	58	59	60	61	64	62	56	52	45	41	36	24	23		76
103	5/5	M-16 live	200-430	T157	25	42	48	48	43	51	55	59	60	65	63	68	66	65	62	61	61	58	54	53	56	59	62	62	63	62	60	57	55	48	43	36	27	24		76
103	5/5	M-16 live	200-430	T158	3	44	47	47	48	52	54	57	60	63	65	65	67	65	63	59	60	58	55	50	52	55	56	58	59	58	56	52	50	43	39	31	15	20		74
103	5/5	M-16 live	200-430	T158	15		43	42	47	49	53	56	58	61	63	63	64	61	59	56	52	52	48	45	48	50	50	51	52	50	47	44	40	31	28	21		18		71
103	5/5	M-16 live	200-430	T158	19	40		42	43	45	48	53	54	59	60	60	60	59	56	52	54	49	47	45	50	54	58	58	59	61	57	51	47	44	36	31	15	21		70
103	5/5	M-16 live	200-430	T158	30	47	44	50	49	50	54	57	60	63	65	66	66	64	61	59	57	56	52	50	52	54	54	55	56	55	52	49	45	37	34	27	12	18		74

103	5/6	M-16 live	200-430	T160	3	49		45	45	36	42	36	43	45	48	51	54	54	53	53	52	52	53	55	60	64	67	68	66	65	63	60	57	52	47	42	34	28	13	74
103	5/6	M-16 live	200-430	T160	10	56	55	54	52	53	51	51	51	49	48	47	46	45	49	53	53	52	57	61	65	71	73	78	78	80	78	75	72	72	69	68	65	61	55	86
103	5/6	M-16 live	200-430	T160	16	45	34	49	43	7	46	44	44	51	51	54	56	56	56	55	54	53	53	55	59	62	64	66	66	65	63	59	56	52	46	40	29	27	13	73
103	5/6	M-16 live	200-430	T160	26	53	52	51	50	49	50	48	46	50	52	54	55	56	57	56	57	59	60	64	68	74	77	78	81	78	75	70	68	70	66	64	61	57	53	86
103	5/6	M-16 live	200-430	T161	6	41		43		31	44	43	41	49	51	53	56	57	57	57	57	55	55	55	60	63	64	66	66	65	62	59	55	51	46	39	27	29		74
103	5/6	M-16 live	200-430	T161	18	43		43	46		44	43	45	51	52	55	57	58	57	56	56	55	55	55	60	63	66	67	68	66	65	61	58	53	48	41	30	28	13	75
103	5/6	M-16 live	200-430	T162	3	44	45	45	42	31	42	43	32	47	50	51	54	55	55	54	53	54	52	54	58	60	62	64	65	65	62	58	55	51	45	39	28	25	16	72
103	5/6	M-16 live	200-430	T162	6	49	37	48	48	32	40	40	37	45	46	47	50	50	51	51	50	47	48	48	53	56	58	60	61	61	60	55	51	47	42	35	26	22		69
103	5/6	M-16 live	200-430	T162	16	52	51	53	50	43	47	43	45	49	52	52	56	56	55	55	56	56	59	65	69	72	74	77	77	77	74	68	68	66	61	62	56	56	52	84
103	5/6	M-16 live	200-430	T162	27	47		40	41	28	44	43	42	49	51	54	57	56	55	55	54	53	55	55	60	63	65	67	68	67	66	62	59	54	49	44	35	29	20	75
103	5/6	M-16 live	200-430	T163	5	46		43	43		46	42	43	51	51	53	56	56	56	55	54	54	55	56	61	64	66	69	68	66	63	61	58	54	48	41	32	28		75
103	5/6	M-16 live	200-430	T163	14	41	44	42	41		42	41	35	47	47	49	52	51	51	52	51	50	49	52	56	58	61	63	63	62	60	57	53	49	44	37	29	25	16	70
103	5/6	M-16 live	200-430	T163	17	47	3	42	38	3	34	36	34	47	46	50	52	52	52	51	51	48	50	51	56	59	60	62	63	63	60	56	53	49	44	38	27	23		71
103	5/6	M-16 live	200-430	T164	8	58	55	56	55	51	53	51	48	53	54	56	59	59	60	60	60	60	62	67	71	75	77	81	80	80	75	72	73	70	69	67	65	61	56	87
103	5/6	M-16 live	200-430	T164	18	47	47	49	47	41	45	47	45	51	52	54	55	56	55	56	56	56	58	59	64	70	73	76	77	75	71	66	67	66	60	59	54	50	49	83
103	5/6	M-16 live	200-430	T164	25	41		46	45		45	44	40	50	52	55	57	58	57	57	57	55	55	55	61	64	66	67	68	67	64	61	57	53	47	39	29	27		75
103	5/6	M-16 live	200-430	T165	9	56	54	55	52	51	51	52	49	53	55	57	60	60	60	60	61	63	65	68	72	75	78	80	80	80	81	77	73	74	71	72	69	63	56	88
103	5/6	M-16 live	200-430	T165	21		31	48	45		47	39	41	51	52	54	56	57	57	57	55	55	55	56	60	64	65	66	67	66	64	60	56	52	46	39	30	27	13	74
103	5/6	M-16 live	200-430	T166	4	41		41	35		43	42	40	49	49	52	55	55	56	54	53	53	53	55	60	63	64	66	66	64	62	59	55	51	46	40	32	25		73
103	5/6	M-16 live	200-430	T166	16	6		38	43		45	42	44	50	52	54	56	56	55	54	54	54	57	61	66	69	73	73	72	69	66	64	60	58	53	47	40	32	20	80
103	5/6	M-16 live	200-430	T167	3	51	49	49	46	34	44	41	42	48	47	52	52	53	51	50	51	52	53	57	62	66	69	72	70	68	65	64	61	58	54	49	39	30		77
103	5/6	M-16 live	200-430	T167	17	40		49	43		46	44	39	50	50	52	55	54	54	53	52	51	53	54	58	62	63	66	68	67	65	60	57	51	45	37	27	25		74
103	5/6	M-16 live	200-430	T167	30	50	41	48	44	40	45	44	42	51	51	52	54	55	54	53	53	53	55	58	63	68	72	73	69	70	67	62	61	57	52	52	43	34	29	79
103	5/6	M-16 live	200-430	T168	4	54	52	52	46	31	42	44	37	49	47	51	53	53	52	53	52	52	54	57	62	66	69	70	70	69	66	63	59	56	51	45	37	29	17	77
103	5/6	M-16 live	200-430	T168	9	42	47	48	43	35	45	42	38	46	47	48	51	50	49	50	49	48	50	52	55	59	62	63	64	63	60	55	52	48	42	35	23	23		71
103	5/6	M-16 live	200-430	T168	25	57	57	55	51	44	49	47	45	51	52	53	56	56	55	55	55	54	54	54	59	63	65	66	67	67	65	61	57	53	47	41	29	27	13	75
103	5/6	M-16 live	200-430	T168	27	43	47	37	42		28	28		42	42	43	46	46	45	42	42	40	44	47	51	53	55	57	58	57	55	50	47	43	36	28	17	19		65
103	5/6	M-16 live	200-430	T169	7	57	58	55	55	51	48	45	39	50	51	53	55	54	52	53	53	52	54	57	62	67	70	72	72	68	65	64	60	57	53	46	39	31	20	78
103	5/6	M-16 live	200-430	T169	16	47	40	46	40	3	41	38	36	44	43	42	46	46	43	46	47	47	52	56	62	64	67	66	62	64	66	63	59	56	50	44	37	28		74
103	5/6	M-16 live	200-430	T170	4	49	48	52	43	34	41	43	38	46	47	50	52	53	52	50	49	50	51	52	57	61	63	65	66	64	62	59	56	53	49	43	36	27		73
103	5/6	M-16 live	200-430	T170	8	37	41	41			39	36		42	35	29	41	42	39	39	38	37	42	44	49	55	59	59	57	55	55	52	52	46	41	37	27	23		66

103	5/6	M-16 live	200-430	T170	18			41	34		39	43	39	46	45	46	49	48	49	48	45	44	47	47	52	55	57	59	60	61	57	53	50	46	40	33	21	22		67
103	5/6	M-16 live	200-430	T171	7	54	54	49	52	48	49	47	47	51	52	53	55	55	54	54	54	54	57	59	64	70	72	74	75	75	74	68	66	64	60	57	52	45	41	82
103	5/6	M-16 live	200-430	T171	9	47	51	46	46	39	44	35	28	43	44	44	46	44	43	44	45	44	48	48	53	56	58	60	60	59	57	54	51	49	45	39	31	25		68
103	5/6	M-16 live	200-430	T171	18	52	49	48	49	41	41	38	32	43	47	46	50	49	48	48	49	47	48	49	53	58	60	61	61	60	59	56	54	51	47	42	34	26	13	69
103	5/6	M-16 live	200-430	T171	22	47	37	44	44	5	43	41	32	47	49	49	54	52	53	53	53	52	51	51	55	60	60	61	61	60	58	56	52	47	39	32	17	22		70
103	5/6	M-16 live	200-430	T171	25	34		43	35		40	34	28	42	43	43	46	46	46	45	45	46	48	46	49	53	54	57	57	57	55	51	47	41	35	29	19	19		65
103	5/6	M-16 live	200-430	T171	27	42	48	40	42		36	34	25	40	40	42	44	43	40	44	45	41	43	43	45	53	56	57	56	57	54	51	47	43	37	32	23	17		65
103	5/6	M-16 live	200-430	T172	6	51	49	49	46	38	45	47	41	51	51	52	55	56	56	57	56	56	58	61	66	71	71	71	69	70	69	65	62	58	56	50	41	33	22	79
103	5/6	M-16 live	200-430	T172	9	49	49	46	44		43	35	25	44	46	47	47	48	45	47	46	46	47	48	50	55	57	60	60	60	56	53	51	49	43	37	25	20		67
103	5/6	M-16 live	200-430	T172	21	56	56	53	55	51	52	52	50	52	51	51	54	52	54	55	56	55	57	64	69	76	79	80	79	78	72	72	72	68	67	65	64	58	52	86
103	5/6	M-16 live	200-430	T172	24	43	3	45	35	3	39	31	28	41	43	43	46	44	45	46	47	47	51	54	58	64	65	64	62	62	62	58	56	54	52	47	41	30		72
103	5/6	M-16 live	200-430	T173	4	41	48	44	45	42	43	42	42	47	50	53	55	55	55	56	56	57	56	59	64	69	72	74	74	73	70	65	63	60	56	51	45	35	25	81
103	5/6	M-16 live	200-430	T173	16	49	46	45	46	40	49	48	48	51	53	55	57	58	59	59	59	60	61	62	66	70	74	75	76	74	69	68	67	62	62	58	56	54	16	82
103	5/6	M-16 live	200-430	T173	25	51	49	47	49	42	45	45	45	51	52	54	56	57	57	55	56	55	57	62	67	73	76	78	78	79	78	74	70	71	67	66	61	59	53	86
103	5/6	M-16 live	200-430	T174	4	43	31	45	42		40	41	36	49	50	54	55	55	55	54	54	53	52	55	60	64	66	67	67	65	64	61	57	52	47	39	30	28	17	74
103	5/6	M-16 live	200-430	T174	17	48	37	47	39		47	46	41	50	51	51	55	54	54	54	53	50	51	52	57	62	64	64	65	64	62	58	54	49	44	36	25	26	16	72
103	5/6	M-16 live	200-430	T175	4	37		44	46		42	42	38	51	50	53	57	56	57	56	53	54	52	53	58	61	63	65	65	65	62	59	55	51	45	38	27	27	16	73
103	5/6	M-16 live	200-430	T175	6	41		41	31		41	34	31	44	45	46	49	49	49	48	44	46	45	44	49	53	55	55	57	57	55	50	47	42	36	30	16	13		65
103	5/6	M-16 live	200-430	T175	16	50	45	47	46	45	47	47	48	51	53	56	58	56	58	58	58	59	60	64	69	74	78	79	79	80	77	71	70	70	67	64	61	59	56	86
103	5/6	M-16 live	200-430	T175	28	53	50	54	52	48	46	46	39	51	53	55	57	57	57	56	56	55	55	56	61	66	70	70	70	69	68	64	60	57	51	46	36	30	13	78
103	5/6	M-16 live	200-430	T176	6	47	34	48	48	43	44	43	42	50	50	53	56	56	56	55	55	55	54	55	60	63	64	66	67	65	63	59	56	51	45	38	26	28	22	74
103	5/6	M-16 live	200-430	T176	19	50	51	51	46	44	48	47	44	50	51	54	57	56	56	55	56	56	54	56	61	64	66	67	67	66	64	61	57	52	47	39	26	29	37	75
103	5/6	M-16 live	200-430	T177	8	57	55	57	54	52	53	52	53	55	57	58	60	60	62	63	63	63	64	66	72	76	79	81	81	78	77	74	72	68	66	63	60	58	53	88
103	5/6	M-16 live	200-430	T177	17				35		32	32	39	47	48	49	54	52	54	52	52	52	50	53	58	61	63	64	64	63	63	59	54	50	44	38	29	25		72
103	5/6	M-16 live	200-430	T177	23	44		42	43		44	42	45	51	52	55	56	57	56	56	55	55	54	55	60	65	66	66	67	67	65	61	56	52	46	38	28	28		75
103	5/6	M-16 live	200-430	T178	9	50	49	52	48	47	49	48	47	54	56	58	60	60	60	60	60	60	61	64	70	75	77	78	77	76	75	70	68	65	61	58	58	53	41	85
103	5/6	M-16 live	200-430	T178	21	54	45	50	50	43	48	45	43	52	52	55	57	57	57	56	56	56	56	56	60	66	67	69	71	76	73	67	64	63	58	49	42	35	30	80
103	5/6	M-16 live	200-430	T179	5	53	52	51	50	47	48	47	45	51	52	54	56	58	57	57	57	57	58	61	66	69	71	69	67	71	72	68	63	59	55	50	48	42	31	79

103	5/6	M-16 live	200-430	T179	18	58	55	55	53	52	51	50	47	52	54	56	59	59	59	58	59	59	60	65	72	76	81	81	82	81	78	74	72	72	70	69	65	62	58	89
103	5/6	M-16 live	200-430	T180	5	52	53	52	51	51	51	53	52	55	55	57	59	59	60	60	61	62	62	64	67	72	75	77	77	76	74	71	67	65	61	57	50	44	43	84
103	5/6	M-16 live	200-430	T180	17	45	43	41	42	37	42		42	48	49	52	54	53	52	52	51	49	50	51	55	59	60	62	62	62	60	56	52	47	41	33	16	23		70
103	5/6	M-16 live	200-430	T180	19	47	41	44	43	41	37	36	39	42	42	44	49	48	48	48	46	44	45	48	54	59	61	64	66	67	67	66	61	60	56	55	47	36	20	74
103	5/6	M-16 live	200-430	T181	5	46	49	49	46	39	43	41	40	50	51	51	56	55	54	52	52	51	51	53	57	62	64	66	67	66	64	60	56	53	48	42	34	27	25	74
103	5/6	M-16 live	200-430	T181	18	59	56	56	52	51	52	51	50	55	55	56	58	59	58	59	58	60	64	66	71	76	79	83	83	84	84	82	78	75	78	75	74	69	63	92
103	5/6	M-16 live	200-430	T182	7			46			41	45	38	47	50	52	55	54	54	54	53	53	52	54	60	65	67	68	70	67	64	63	60	57	54	47	41	30	13	79
103	5/6	M-16 live	200-430	T182	10	43		42	40		39	39	43	46	43	47	48	49	46	46	46	42	46	48	52	57	58	60	62	60	59	55	52	48	43	36	26	24	13	68
103	5/6	M-16 live	200-430	T182	21	47	5	46	44	5	45	44	34	49	51	53	55	55	54	54	53	52	52	55	60	65	68	69	68	66	64	61	57	53	48	41	32	27	16	76
103	5/6	M-16 live	200-430	T182	26	41		45	44		41	44	41	48	51	54	56	55	55	54	53	52	53	54	58	63	64	67	66	64	63	60	56	52	47	41	33	28	17	73
103	5/6	M-16 live	200-430	T183	3	49	53	52	50	50	48	47	46	49	50	52	54	53	54	53	53	51	54	58	65	73	75	76	76	73	72	70	66	67	64	60	58	56	52	83
103	5/6	M-16 live	200-430	T183	6	47	47	47	44	43	44	45	42	46	45	49	51	51	51	51	50	48	50	57	62	68	70	74	76	75	73	66	64	63	57	57	52	47	47	82
103	5/6	M-16 live	200-430	T183	19			46	42		45	43	41	48	51	52	54	53	54	53	51	52	52	51	56	60	60	62	63	61	59	55	51	45	40	32	19	24	13	70
103	5/6	M-16 live	200-430	T184	4	50	46	48	39	31	42	42	32	48	51	53	54	54	54	52	51	52	51	54	60	65	68	68	67	65	64	61	58	55	49	44	35	29	17	75
103	5/6	M-16 live	200-430	T184	6	52	51	52	49	51	47	48	47	48	48	50	53	53	53	52	53	55	57	60	66	73	75	78	76	75	73	70	68	65	64	62	60	55	52	84
103	5/6	M-16 live	200-430	T184	22	53	50	49	50	44	48	47	46	52	53	56	58	58	58	57	57	57	58	60	67	72	76	77	74	72	69	69	66	64	60	59	54	46	41	83
103	5/6	M-16 live	200-430	T185	5	37		44	41		44	42	39	50	51	54	56	55	55	55	54	53	53	56	61	66	68	71	72	72	70	66	63	62	59	53	46	37	25	79
103	5/6	M-16 live	200-430	T185	8	50	48	49	46	45	45	44	44	47	48	49	52	52	52	52	52	51	56	59	66	72	75	77	76	73	68	68	66	63	61	58	55	49	46	83
103	5/6	M-16 live	200-430	T185	24	41		45	41		43	43	45	51	52	54	56	57	57	56	55	54	56	58	63	66	69	70	70	68	65	63	61	58	54	48	41	31	13	77
103	5/6	M-16 live	200-430	T186	4	46	50	50	50	47	47	47	47	50	51	52	55	55	56	56	57	58	57	61	67	72	78	76	72	71	65	67	64	66	60	59	60	57	53	82
103	5/6	M-16 live	200-430	T186	8	40		40	41		44	41	42	49	49	51	54	54	53	53	53	52	53	55	60	64	67	67	67	66	65	62	58	55	49	44	35	30	19	78
103	5/6	M-16 live	200-430	T187	4	43	38	44	44		45	42	39	48	49	50	53	54	53	53	53	52	52	54	58	61	64	66	65	64	61	57	54	50	44	39	27	28		73
103	5/6	M-16 live	200-430	T187	15	41		43	44	31	45	45	42	50	50	52	55	55	55	56	56	55	54	53	60	62	64	65	65	63	61	57	53	48	42	36	25	27	13	73
103	5/6	M-16 live	200-430	T187	17	41		38	34		38	39	29	41	40	42	44	41	41	44	44	43	47	48	52	57	59	59	57	57	57	55	50	46	41	34	26	22	13	66
103	5/6	M-16 live	200-430	T187	27	57	54	54	54	53	53	50	47	52	53	55	58	57	58	58	58	59	61	65	70	74	78	81	82	83	84	81	78	76	76	74	73	67	62	91
103	5/6	M-16 live	200-430	T188	7	42	6	42	35	6	45	45	40	51	52	53	56	55	55	56	57	55	53	56	60	63	65	67	68	68	65	62	58	54	51	47	37	30	22	75
103	5/6	M-16 live	200-430	T188	18	43	49	47	46	44	46	45	39	50	51	53	55	54	55	55	57	59	64	70	73	72	74	73	74	75	75	70	67	65	63	59	56	48	44	83
103	5/6	M-16 live	200-430	T188	21	37		42	34	32	41	38	28	46	48	49	51	51	50	50	50	50	49	49	54	57	57	59	59	58	55	51	48	41	37	38	19	23		67
103	5/6	M-16 live	200-430	T189	6	45		44	43		43	38	44	49	51	51	54	54	52	51	51	51	51	53	57	58	60	62	63	62	60	56	53	46	41	37	20	25	21	70
103	5/6	M-16 live	200-430	T189	18	56	56	53	53	51	50	50	51	52	54	54	56	56	56	55	56	58	59	64	70	73	78	80	80	77	75	71	71	70	66	64	59	56	52	86
103	5/6	M-16 live	200-430	T189	27			42	43		45	44	42	49	51	52	54	54	53	53	54	52	52	53	58	61	62	64	64	63	61	57	54	49	44	38	27	24		72

103	5/6	M-16 live	200-430	T190	5	44		44	43		44	41	44	49	50	52	55	54	52	52	52	51	51	52	56	59	60	61	62	61	58	55	51	45	40	32	19	26	19	70
103	5/6	M-16 live	200-430	T190	16	46	34	43	31		45	45	42	48	50	52	54	53	52	52	51	53	53	55	59	63	66	68	72	70	65	61	63	57	52	50	46	39	28	77
103	5/6	M-16 live	200-430	T190	18	37	39	41			37	37	36	45	45	46	48	47	45	47	45	44	44	46	52	54	55	57	58	57	56	51	48	43	38	31	20	20		65
103	5/6	M-16 live	200-430	T191	6	44		50	41		44	46	39	50	52	52	55	54	53	54	55	55	57	61	65	69	72	72	72	71	69	65	63	58	55	51	44	36	32	79
103	5/6	M-16 live	200-430	T191	19			46	39		45	47	41	49	49	52	53	53	53	54	54	53	53	55	59	63	65	67	68	68	65	61	58	54	50	42	34	28		75
103	5/6	M-16 live	200-430	T191	24	37		34			38		28	41	39	44	46	45	46	46	43	41	45	45	51	57	60	63	64	64	60	56	53	48	44	38	30	26	13	70
103	5/6	M-16 live	200-430	T192	5	44	34	42	37		43	43	39	48	48	50	54	52	52	53	53	53	54	58	61	65	68	69	68	66	65	61	58	54	49	43	37	30	24	76
103	5/6	M-16 live	200-430	T192	8	52	50	49	49	48	47	47	48	48	49	49	50	50	50	54	57	55	57	60	64	71	75	76	76	71	66	67	65	62	59	58	55	54	53	82
103	5/6	M-16 live	200-430	T192	20	43	44	45	39	5	43	44	43	49	50	50	54	54	53	53	52	52	52	53	58	60	61	62	63	62	59	55	52	46	40	33	17	25		71
103	5/6	M-16 live	200-430	T193	6	42	6	44	39	6	40	45	41	50	50	52	54	55	53	52	52	52	52	55	60	63	65	67	68	65	60	59	55	50	46	39	32	27	24	74
103	5/6	M-16 live	200-430	T193	18	58	58	57	55	54	55	55	53	55	56	57	58	58	57	58	60	63	67	69	74	78	82	85	85	85	85	83	79	78	78	76	76	74	66	93
103	5/6	M-16 live	200-430	T194	6	46	44	46	43	31	47	45	46	51	53	55	57	57	57	58	58	58	60	62	67	71	74	76	76	75	72	68	65	62	58	55	50	40	41	83
103	5/6	M-16 live	200-430	T194	20	49		47	42	35	48	47	46	52	54	56	58	59	58	58	57	56	57	59	64	68	69	71	72	74	70	63	63	56	52	44	43	37	28	80
103	5/6	M-16 live	200-430	T195	7	57	57	55	53	50	51	48	50	52	55	57	60	60	60	59	58	58	59	60	65	69	74	76	77	79	78	76	72	70	68	64	63	60	56	85
103	5/6	M-16 live	200-430	T195	21	58	57	55	54	53	52	52	52	55	57	59	61	61	61	61	60	61	64	67	71	75	78	82	82	83	82	81	77	76	75	74	72	67	60	91
103	5/6	M-16 live	200-430	T196	5	46	42	46	45		46	47	46	52	52	57	58	58	57	57	58	56	58	59	64	69	70	71	71	71	69	64	60	55	50	45	38	31	26	79
103	5/6	M-16 live	200-430	T196	13	46	8	46	45	40	46	48	47	52	53	57	58	57	57	58	58	56	58	60	66	70	70	72	71	70	68	63	61	56	51	45	38	32	20	79
103	5/6	M-16 live	200-430	T196	27	44		47	44		48	47	47	53	55	58	60	60	59	59	60	60	61	63	67	72	74	75	74	72	69	66	63	60	57	52	42	35	24	82
103	5/6	M-16 live	200-430	T197	9	59	57	57	55	54	55	54	53	55	56	58	59	59	58	59	59	60	62	65	69	73	78	79	81	82	81	80	78	74	76	73	73	66	60	89
103	5/6	M-16 live	200-430	T197	22	48	38	41	44		48	35	42	52	51	54	57	56	56	55	55	55	56	57	61	67	68	69	70	68	65	62	57	53	47	41	31	29	17	77
103	5/6	M-16 live	200-430	T198	12	46	9	46	47	9	48	47	46	52	54	56	59	59	58	58	57	58	60	60	65	71	72	75	76	75	73	69	69	65	63	58	51	44	46	82
103	5/6	M-16 live	200-430	T198	24	49	50	46	50	46	48	48	44	51	53	55	57	57	58	57	57	59	61	64	69	72	76	76	75	74	73	70	66	61	59	54	50	45	40	83
103	5/6	M-16 live	200-430	T198	27		34	37			31	34	43	46	47	50	52	51	53	53	52	52	55	53	58	65	68	67	67	65	62	62	57	51	45	38	30	28	16	75
103	5/6	M-16 live	200-430	T199	3	61	60	58	58	56	55	54	55	54	54	54	55	54	55	55	55	60	62	66	72	76	79	81	81	82	81	79	75	75	74	72	70	65	60	90
103	5/6	M-16 live	200-430	T199	13	43		46	43		48	38	42	52	53	53	56	56	55	55	54	55	57	58	64	71	73	76	77	76	72	67	66	63	59	52	42	34	24	83
103	5/6	M-16 live	200-430	T199	25	43		46			45	46	44	52	54	57	58	58	58	56	56	58	60	62	67	74	77	79	77	75	73	69	66	64	57	51	43	39	35	84
103	5/6	M-16 live	200-430	T200	6	52	49	50	50	49	48	48	48	50	52	53	55	55	54	54	55	57	59	62	68	74	78	81	80	78	76	71	68	65	62	56	52	47	46	87
103	5/6	M-16 live	200-430	T200	10	50	48	49	47	44	43	47	43	47	48	50	52	50	50	48	49	50	52	57	64	70	74	75	74	73	71	64	66	60	60	52	52	46	44	81

103	5/6	M-16 live	200-430	T200	20	43	38	46	44		41	35	0	44	38	0	44	37	0	39	39	40	49	52	59	57	63	60	61	55	47	41	37	21	32	25		23		68
103	5/6	M-16 live	200-430	T201	4	49	51	44	45	40	46	43	45	49	51	55	57	58	58	58	58	58	59	62	68	73	76	79	79	77	75	70	67	64	62	58	52	47	44	85
103	5/6	M-16 live	200-430	T201	15	47	34	48	46	40	45	44	45	53	54	56	59	59	60	60	59	59	59	60	70	72	76	76	77	76	75	69	64	62	56	53	47	40	35	84
103	5/6	M-16 live	200-430	T201	27	50	47	50	48	46	47	47	48	52	53	55	58	58	58	58	59	59	60	64	71	75	77	78	78	78	73	70	69	64	65	62	59	55	52	85
103	5/6	M-16 live	200-430	T202	6	38		42	40		42	40	42	52	52	56	58	58	58	58	57	58	57	59	64	67	68	69	68	67	65	62	58	54	48	42	33	30	23	76
103	5/6	M-16 live	200-430	T202	19	49		38	34		46	45	43	50	52	55	58	59	59	58	58	58	57	59	65	68	69	70	69	69	67	63	58	53	46	39	28	29	16	78
103	5/6	M-16 live	200-430	T203	8	46		45	40		45	46	44	51	52	56	57	58	58	59	58	58	58	60	66	69	71	72	73	73	72	66	63	58	52	47	40	32	24	80
103	5/6	M-16 live	200-430	T203	17	46		46	43		47	47	47	53	56	59	61	61	61	61	60	61	61	63	69	72	74	76	76	76	74	68	65	61	55	49	43	34	25	83
103	5/6	M-16 live	200-430	T204	6	47		43	37		41	44	42	49	50	54	58	57	56	56	54	55	55	59	65	69	72	74	76	74	70	67	65	61	57	53	46	36	32	81
103	5/6	M-16 live	200-430	T204	20	34	46	46	44	31	41	43	44	52	53	56	59	58	57	57	57	56	57	59	65	67	69	70	70	68	66	62	58	54	48	42	33	31	13	77
103	5/6	M-16 live	200-430	T205	8	53	52	51	50	45	49	49	51	54	55	57	59	59	59	59	59	60	61	62	67	71	74	76	77	78	77	74	69	65	61	57	54	51	46	85
103	5/6	M-16 live	200-430	T205	20	55	53	52	51	50	53	52	54	56	58	59	60	61	61	61	60	61	63	66	72	77	80	83	84	83	82	80	77	76	73	70	68	63	48	91
103	5/6	M-16 live	200-430	T206	9	50	51	51	47	9	47	48	43	52	52	55	57	56	57	56	55	55	56	59	64	67	69	70	69	68	66	62	58	53	48	41	33	31	23	77
103	5/6	M-16 live	200-430	T206	25	60	63	63	61	55	55	52	50	54	54	56	58	58	57	58	58	57	60	63	68	73	76	79	77	75	71	68	68	64	61	60	58	56	50	84
103	5/6	M-16 live	200-430	T207	5	60	60	59	55	51	49	46	42	49	50	52	54	54	52	50	50	53	51	54	59	61	63	64	63	63	61	58	54	49	44	36	27	27	16	73
103	5/6	M-16 live	200-430	T207	19	51	45	46	46		47	43	42	50	52	54	57	57	56	55	54	55	55	58	63	67	69	71	70	69	66	62	60	55	50	44	36	30	53	78
103	5/6	M-16 live	200-430	T208	6	52	37	45	38		45	45	44	50	50	53	55	54	53	53	52	53	54	58	63	66	69	70	69	67	65	61	58	54	51	46	41	32	22	76
103	5/6	M-16 live	200-430	T209	6	46		42	41		46	45	44	52	53	56	58	59	60	59	60	60	60	62	67	72	74	75	75	75	72	68	66	64	59	53	44	36	32	82
103	5/6	M-16 live	200-430	T209	20	49	49	50	47	46	47	42	45	52	53	55	58	59	59	58	58	59	58	58	64	69	71	71	71	70	68	64	59	54	48	40	32	30	16	79
103	5/6	M-16 live	200-430	T210	6	49	41	49	44	34	44	46	44	52	53	55	57	57	57	57	58	59	58	58	63	67	69	71	72	70	68	66	67	59	51	45	35	31	27	79
103	5/6	M-16 live	200-430	T210	16	43		44	45		42	44	42	50	51	53	56	55	55	55	56	57	57	63	67	71	71	75	73	72	68	65	62	57	50	43	35	30	20	81
103	5/6	M-16 live	200-430	T206	17	52	50	49	44	37	38	40		43	40	47	48	46	44	47	48	47	52	54	61	64	62	62	59	62	60	57	52	47	38	34	26	21		71
103	5/6	M-16 live	200-430	T211	4	55	52	52	52	47	50	45	42	45	49	52	52	53	53	52	54	53	54	54	58	62	64	65	66	64	63	59	55	51	45	37	25	24	13	73
103	5/6	M-16 live	200-430	T211	8	47	49	46	46		43	41	38	47	49	51	53	53	53	53	53	53	54	52	58	63	63	65	67	67	64	60	56	52	48	39	29	26		74
103	5/6	M-16 live	200-430	T211	13	54	49	53	48	41	46	43	38	47	46	47	50	50	50	51	52	52	56	54	57	62	64	66	66	66	63	60	56	55	46	38	28	25		74
103	5/6	M-16 live	200-430	T211	22	47	49	43	47	31	45	44	42	50	49	52	55	54	55	55	55	56	58	60	65	69	72	75	75	73	71	68	63	60	56	53	47	38	30	81
103	5/6	M-16 live	200-430	T211	27	50	51	48	46	44	47	38	38	49	50	51	54	54	53	54	55	55	55	57	63	68	70	71	70	69	69	65	61	57	52	45	38	31	23	78
103	5/6	M-16 live	200-430	T212	4	54	53	52	49	47	49	44	47	49	50	51	54	55	55	54	54	55	55	56	61	69	74	76	76	75	73	66	64	63	58	55	53	49	46	83
103	5/6	M-16 live	200-430	T212	6	42	43	43	40	31	39	31	31	42	43	45	47	49	49	46	48	46	50	53	58	63	67	66	64	64	63	59	57	53	50	44	39	30	17	73
103	5/6	M-16 live	200-430	T212	20	47	46	46	49		45	45	43	50	50	53	56	56	55	54	53	54	55	57	62	64	67	69	69	69	69	68	64	61	53	46	40	30	41	77
103	5/6	M-16 live	200-430	T213	4	50	39	49	45	41	40	42	37	46	42	45	49	49	48	47	46	47	48	47	52	57	59	62	61	60	56	53	49	43	37	30	19	22	13	68

103	5/6	M-16 live	200-430	T213	7	53	51	49	49	45	45	43	39	45	46	47	50	49	49	49	47	47	50	51	55	57	59	63	61	60	57	52	48	43	37	28	20	22		69
103	5/6	M-16 live	200-430	T213	18	49	47	49	40	39	38	40	35	44	41	45	50	49	49	48	46	47	48	49	54	60	59	60	61	60	59	53	51	45	39	32	24	22	13	69
103	5/6	M-16 live	200-430	T213	21	54	56	53	53	51	50	51	51	54	54	56	56	57	58	58	60	60	60	63	65	70	71	74	70	75	72	66	63	62	58	56	56	52	49	81
103	5/6	M-16 live	200-430	T213	24	52	53	46	47	41	45	44		41	44	44	48	46	45	46	44	41	46	49	56	60	60	61	62	60	58	55	52	49	37	30	19	20		69
103	5/6	M-16 live	200-430	T214	6	51	51	52	49	40	48	45	44	51	51	53	56	56	55	55	54	56	58	59	66	71	71	71	69	72	72	67	64	63	56	56	49	43	38	80
103	5/6	M-16 live	200-430	T214	23	58	58	57	56	53	53	51	47	51	52	54	55	56	57	57	57	58	62	65	69	75	79	81	84	84	83	78	73	77	75	73	72	67	62	91
103	5/6	M-16 live	200-430	T214	25	58	50	54	50	43	44	41	39	42	41	43	47	47	47	46	48	52	53	58	63	70	73	74	76	69	64	66	66	61	61	57	53	48	39	81
103	5/6	M-16 live	200-430	T215	4	49	43	43	41	31	46	39	32	46	46	48	51	51	50	50	49	50	51	52	55	61	64	67	67	65	62	59	56	54	48	42	33	26	20	74
103	5/6	M-16 live	200-430	T215	9	54	54	53	49	49	46	46	43	49	48	51	52	52	51	52	53	53	53	53	57	62	62	64	63	61	60	56	51	46	41	33	25	24		71
103	5/6	M-16 live	200-430	T216	4	61	60	59	58	57	55	55	55	54	53	51	53	51	54	57	61	65	65	73	76	80	82	81	80	78	79	80	78	74	73	72	71	66	62	90
103	5/6	M-16 live	200-430	T216	13	38		43			40	40	37	46	46	47	51	50	51	49	48	46	49	49	56	59	59	62	61	58	57	54	53	45	49	55	47	35	13	69
103	5/6	M-16 live	200-430	T216	15	37		38	37		34	34		44	42	45	47	48	48	47	46	48	46	47	51	54	56	59	59	58	53	50	47	38	42	45	34	23		66
103	5/6	M-16 live	200-430	T216	26	46		44	35		45	39	37	48	48	49	52	52	54	52	51	50	51	53	58	61	62	63	62	62	58	57	60	52	57	64	56	48	25	72
103	5/6	M-16 live	200-430	T217	2						31	41		39	42	44	45	43	44	47	49	45	47	49	56	56	58	60	57	56	55	50	46	37	36	35	16	13	13	66
103	5/6	M-16 live	200-430	T218	5	54	49	49	49	46	50	46	48	50	50	52	54	54	54	54	55	55	58	60	66	70	76	76	74	71	67	69	66	63	63	62	59	53	50	82
103	5/6	M-16 live	200-430	T218	17	44		46	41		43	45	38	49	49	51	54	54	53	52	51	48	52	55	59	60	64	63	62	62	60	56	55	49	51	61	54	42	21	72
103	5/6	M-16 live	200-430	T218	26	42		43	38	31	43	43	42	48	47	50	51	50	51	50	50	50	52	55	61	68	71	73	73	73	70	64	64	62	61	58	50	41	39	80
103	5/6	M-16 live	200-430	T219	5	47		44	44	40	44	43	35	48	52	52	55	55	55	54	53	51	53	56	60	63	66	66	66	64	63	58	57	53	51	62	55	45	39	74
103	5/6	M-16 live	200-430	T219	15			38			44	34	32	47	49	50	51	51	52	51	49	49	49	52	57	58	60	62	62	60	58	54	50	44	46	53	46	32	13	69
103	5/6	M-16 live	200-430	T219	18	38	3	38	35	31	39	35	41	48	48	50	53	54	53	52	49	49	49	52	56	58	59	60	61	60	57	53	50	43	39	39	34	22	17	69
103	5/6	M-16 live	200-430	T220	7	41		44	43		47	45	41	51	52	54	57	57	57	56	54	53	54	57	60	62	65	69	69	69	67	63	61	59	54	51	46	36	28	76
103	5/6	M-16 live	200-430	T220	18	55	54	52	51	50	49	48	46	51	51	54	56	58	58	58	57	57	59	65	72	77	79	82	79	78	73	72	71	68	67	64	60	58	53	87
103	5/6	M-16 live	200-430	T220	29	37	43	47	43		46	42	38	50	52	54	57	58	57	56	55	55	54	56	60	62	63	64	65	64	61	57	54	48	43	41	16	28	13	73
103	5/6	M-16 live	200-430	T221	6	43		43	42		42	45	44	50	52	54	56	55	55	54	54	54	55	58	62	65	67	67	66	65	63	59	56	52	47	41	32	28	13	74
103	5/6	M-16 live	200-430	T221	17	44		44	38		43	45	37	51	52	54	56	56	56	54	53	53	53	56	60	63	65	65	65	64	63	59	56	51	46	39	27	28	13	73
103	5/6	M-16 live	200-430	T222	4	47	46	47	44	44	46	44	41	49	50	54	55	55	54	53	54	56	56	62	66	70	74	75	73	68	65	68	64	61	61	54	53	47	42	81
103	5/6	M-16 live	200-430	T222	8	52	55	53	50	52	52	50	49	51	52	52	55	55	53	54	55	58	61	65	70	74	77	80	82	82	83	81	79	77	77	75	74	68	59	90
103	5/6	M-16 live	200-430	T222	19	43		34			45	43	41	48	51	55	55	56	54	55	53	53	54	57	61	64	66	68	69	67	64	61	58	53	48	41	33	29	16	76

103	5/6	M-16 live	200-430	T222	23			44	31		38	36	0	46	46	48	49	49	49	49	49	47	50	50	54	56	58	58	59	58	56	52	48	42	36	28		20		67
103	5/6	M-16 live	200-430	T223	4	54	52	53	52	50	51	50	50	51	54	54	56	56	56	56	57	60	62	66	70	74	78	80	81	82	79	74	72	72	70	67	65	61	55	88
103	5/6	M-16 live	200-430	T223	9	37		44	38		46	41	39	49	50	52	53	54	53	52	52	51	53	57	62	65	67	68	68	66	65	61	60	60	54	49	41	32	19	76
103	5/6	M-16 live	200-430	T223	22	48		44	46		43	43	39	50	51	54	57	57	57	57	54	53	53	55	60	61	63	64	64	63	60	56	53	47	42	35	17	26	13	72
103	5/6	M-16 live	200-430	T224	4	41		44	38		46	42	41	49	51	51	54	54	53	54	54	52	52	56	61	64	67	67	64	64	64	60	57	54	50	43	36	29	16	74
103	5/6	M-16 live	200-430	T224	17	50	48	47	47	43	47	45	48	52	54	56	58	59	58	58	58	60	61	64	69	74	77	78	79	76	72	69	67	65	61	58	54	49	46	85
103	5/6	M-16 live	200-430	T225	5	48	46	47	48	43	48	48	44	52	53	55	57	57	57	57	57	57	59	61	66	70	73	75	77	74	70	64	65	62	62	57	54	50	49	82
103	5/6	M-16 live	200-430	T225	17	34		45	41		44	37	41	50	52	55	57	56	56	56	55	54	55	58	62	64	65	66	66	65	63	59	55	50	44	37	26	28		74
103	5/6	M-16 live	200-430	T225	19	44		34	38		38	37	38	42	44	44	46	49	48	50	47	45	47	49	55	54	56	57	58	57	55	50	47	41	35	28	17	17		66
103	5/6	M-16 live	200-430	T225	30	41		46	43		45	38	43	50	52	53	56	57	57	58	58	57	59	63	68	70	71	72	71	71	72	67	64	62	61	58	52	45	30	80
103	5/6	M-16 live	200-430	T226	10	42		45	43		46	46	43	52	55	57	59	59	58	59	60	60	61	64	70	72	74	75	75	74	71	67	63	60	55	46	37	34	28	82
103	5/6	M-16 live	200-430	T226	23	47	34	47	42		46	45	44	53	56	58	60	60	60	60	61	61	60	63	68	71	73	74	74	72	71	67	63	57	52	45	36	32	19	81
103	5/6	M-16 live	200-430	T226	28	38		46	43		44	44	38	49	52	52	54	54	53	54	54	52	54	58	64	66	68	70	70	68	66	62	57	54	47	40	31	28	17	77
103	5/6	M-16 live	200-430	T227	9	49	50	49	49	47	50	49	49	54	55	57	59	59	59	60	61	61	62	65	71	76	79	81	80	79	75	71	69	67	63	58	54	49	44	87
103	5/6	M-16 live	200-430	T227	22	55	53	55	54	53	52	52	52	54	55	57	59	59	59	58	59	60	63	68	73	78	81	83	82	82	80	76	73	73	71	69	66	63	45	90
103	5/6	M-16 live	200-430	T228	5	51	50	50	50	48	49	49	50	53	54	57	57	59	60	59	60	61	61	64	70	72	75	76	75	75	74	71	67	64	62	60	52	46	43	83
103	5/6	M-16 live	200-430	T228	22	53	47	50	46	46	47	44	43	51	51	56	58	56	56	56	56	55	55	58	63	68	69	71	72	72	70	67	62	59	54	48	42	32	24	79
103	5/6	M-16 live	200-430	T229	8	53	54	52	50	45	48	49	48	53	54	57	59	59	59	59	59	59	61	64	69	73	76	76	74	73	72	70	66	64	59	52	47	42	35	83
103	5/6	M-16 live	200-430	T229	11	53	51	53	50	50	50	47	46	50	52	53	55	56	56	55	54	54	55	60	68	70	72	76	75	78	75	68	67	69	66	62	61	58	56	84
103	5/6	M-16 live	200-430	T229	26	53	48	52	50		48	47	46	53	54	57	59	59	59	58	58	57	57	61	66	70	72	73	73	71	69	65	62	58	52	45	40	32	20	80
103	5/6	M-16 live	200-430	T229	28	34		35	41		41	31		43	45	47	49	48	47	48	47	44	46	50	53	57	56	57	57	57	55	52	46	41	35	30	16	20		66
103	5/6	M-16 live	200-430	T230	4	63	63	62	65	64	67	71	69	70	65	60	65	57	55	51	48	44	44	42	38	38	37	33	32	32	0	30	28	0	23	15		19		77
103	5/6	M-16 live	200-430	T231	4	43		46	44	38	45	45	39	49	49	51	52	54	51	53	54	55	56	62	67	70	72	74	72	73	69	65	61	58	54	44	37	33	27	80
103	5/6	M-16 live	200-430	T231	15	46	34	45	34		46	46	42	50	52	54	56	55	56	57	58	58	60	65	71	73	74	74	75	74	70	66	62	58	52	45	38	32	23	82
103	5/6	M-16 live	200-430	T231	25	47		45	43	0	43	41	39	50	50	52	54	53	53	55	57	57	58	64	69	73	76	77	77	75	72	67	64	59	53	48	42	36	36	84
103	5/6	M-16 live	200-430	T232	5		37	47	38	0	47	46	43	49	50	51	53	53	53	54	56	55	56	62	67	70	71	72	74	71	69	67	61	57	50	45	36	31	22	80
103	5/6	M-16 live	200-430	T232	20	44		50	46	31	45	45	44	51	53	54	57	57	56	56	57	58	59	63	68	71	74	75	73	73	71	66	62	57	51	45	36	32	20	81
103	5/6	M-16 live	200-430	T233	7	58	59	56	56	51	49	49	46	50	52	54	57	56	54	57	58	59	58	63	68	73	76	76	76	75	72	67	64	60	53	46	40	35	31	83
103	5/6	M-16 live	200-430	T233	16	53	55	53	53	46	46	47	40	49	49	50	53	53	51	53	55	56	56	60	67	72	76	78	75	71	68	64	59	54	48	42	36	33	45	83
103	5/6	M-16 live	200-430	T233	20	56	59	58	57	56	51	46	40	46	41	0	41	33	0	36	38	43	50	54	56	63	64	60	57	50	41	39	36	19	31	24		20	16	70
103	5/6	M-16 live	200-430	T233	29	56	57	58	55	52	50	46	37	50	49	51	54	53	54	55	56	54	54	58	65	68	69	71	71	69	67	63	58	53	47	38	30	27	17	78

103	5/6	M-16 live	200-430	T234	4	52	49	50	47	40	43	42	37	47	46	49	51	50	50	51	51	52	51	53	60	64	66	66	65	64	60	58	53	47	40	33	22	26		73
103	5/6	M-16 live	200-430	T234	14	47	45	44	44	31	42	41	41	45	46	47	49	47	47	49	48	47	48	53	59	61	63	65	65	64	62	57	51	47	40	32	20	25	13	72
103	5/6	M-16 live	200-430	T234	16	43		42	38		42	32	28	36	42	46	47	46	47	45	45	47	48	53	57	59	63	65	66	67	64	57	57	50	42	33	25	23	38	73
103	5/6	M-16 live	200-430	T235	3	51	48	49	50	47	50	48	48	50	51	52	53	53	54	55	56	56	56	59	63	67	70	72	74	76	68	64	64	61	63	55	54	46	38	81
103	5/6	M-16 live	200-430	T235	8	49	47	45	45	35	44	42	42	48	48	50	53	51	50	51	52	54	54	57	63	67	69	69	70	71	68	65	60	58	52	44	36	30	25	78
103	5/6	M-16 live	200-430	T235	17	43		43	37		38	42	31	46	46	47	51	50	50	50	51	49	51	55	60	62	64	65	64	63	61	57	53	49	43	35	26	23	40	72
103	5/6	M-16 live	200-430	T235	21	50	40	42	40		43	40	36	44	43	45	49	48	47	47	47	48	50	54	59	60	63	65	67	66	62	58	53	48	43	34	23	24	13	73
103	5/6	M-16 live	200-430	T235	24	49	51	48	47	44	45	43	38	44	45	45	49	46	45	49	49	50	51	53	59	60	63	65	65	64	63	59	53	50	43	34	24	25	17	72
103	5/6	M-16 live	200-430	T236	6	55	53	53	51	46	49	51	48	51	50	52	55	54	54	56	58	60	61	66	71	75	77	77	77	74	70	68	65	60	55	52	49	45	44	84
103	5/6	M-16 live	200-430	T236	9	46	49	48	47	39	42	41	34	44	46	46	47	51	47	52	52	54	55	60	66	69	71	70	69	69	68	64	59	57	52	46	42	30	20	78
103	5/6	M-16 live	200-430	T236	18	34	34	34	37		37		33	40	43	44	46	43	41	43	45	48	48	49	56	59	62	62	63	62	62	53	51	49	39	29	22	20		70
103	5/6	M-16 live	200-430	T236	21	41		31	35		41	34		39	41	43	45	40	37	47	47	41	44	48	52	55	59	62	66	62	61	54	53	48	43	35	23	23		70
103	5/6	M-16 live	200-430	T237	2	34		35	34		38		34	38	41	42	45	44	35	45	42	41	44	48	55	54	56	56	57	55	53	49	43	40	33	25	16	16	13	64
103	5/6	M-16 live	200-430	T237	16	52	53	52	53	47	46	46		48	48	49	51	51	50	50	51	52	53	55	61	65	68	68	68	68	65	59	56	52	48	41	30	27	17	76
103	5/6	M-16 live	200-430	T237	26			35	38		35	40	28	38	39	38	41	39	37	42	42	36	42	44	54	54	58	60	60	52	49	46	42	33	29	20	13	13	13	65
103	5/6	M-16 live	200-430	T238	2	45	43	41	45	39	40	39	31	44	45	45	49	48	48	48	49	48	46	51	56	59	59	61	64	62	59	54	50	46	39	31	22	19	16	70
103	5/6	M-16 live	200-430	T238	15			34	38		39	43	39	39	43	45	46	45	44	46	48	46	48	49	52	53	60	56	56	55	52	51	45	37	34	27	19	20		65
103	5/6	M-16 live	200-430	T239	2	51	47	47	46		37	38	28	42	44	44	45	47	45	46	46	47	49	50	56	61	64	67	65	59	58	57	52	45	41	33	24	22	13	72
103	5/6	M-16 live	200-430	T239	7	56	56	56	54	54	48	46	33	46	42	46	48	47	46	47	47	46	47	49	54	55	56	58	59	60	56	52	47	42	36	29	13	16		68
103	5/6	M-16 live	200-430	T239	16	46	53	47	44	40	39	35	40	43	44	45	47	48	48	47	47	45	46	46	54	58	59	59	57	54	53	51	44	35	31	23	22	16		66
103	5/6	M-16 live	200-430	T239	20	46	49	51	47	39	41	43	32	44	45	47	50	49	47	49	48	48	48	51	56	59	63	64	65	61	59	57	53	48	44	37	28	24		71
103	5/6	M-16 live	200-430	T239	25	47	48	45	47	44	47	45	47	49	49	51	53	53	54	55	57	60	60	63	65	70	74	76	74	68	71	68	63	63	63	61	58	53	50	81
103	5/6	M-16 live	200-430	T240	2	45	47	48	47	31	40	37	37	44	45	47	49	48	47	46	48	49	51	54	60	65	68	66	69	66	63	64	59	58	53	42	35	31	25	76
103	5/6	M-16 live	200-430	T240	6	34	34	38	40		37	41	0	43	42	42	46	46	45	46	45	43	45	46	51	55	56	59	61	57	53	48	43	37	31	23		22		66
103	5/6	M-16 live	200-430	T240	16	47	48	45	44	43	38	34	37	40	43	41	46	46	45	45	44	43	43	44	48	52	56	59	61	60	56	50	49	45	38	30	22	19	44	67
103	5/6	M-16 live	200-430	T241	22	42		46	45		38	40	34	47	47	49	52	51	50	52	52	52	51	52	57	60	62	64	64	64	61	57	54	49	46	38	27	25	13	71
103	5/6	M-16 live	200-430	T242	5	44		42	40		44	40		46	46	48	51	50	50	50	51	50	53	52	57	60	64	65	62	59	59	56	52	48	43	37	29	22	16	71
103	5/6	M-16 live	200-430	T242	10	42	44	37	45	31	36	36		41	36	38	43	42	41	43	43	43	45	47	52	55	58	60	60	59	57	51	48	43	37	29	17	19		67

103	5/6	M-16 live	200-430	T242	22	37		40	34		38	34	34	42	42	47	50	49	48	47	48	49	48	49	56	59	62	62	61	66	68	68	63	57	51	45	38	28	13	74
103	5/6	M-16 live	200-430	T243	1	46		42	40		41	36		42	41	41	44	41	38	41	41	42	42	46	49	54	55	57	56	56	53	49	46	39	32	25	19	20		64
103	5/6	M-16 live	200-430	T243	3	45	34	31			40	39	28	41	39	38	42	39	37	41	41	44	44	47	51	54	58	62	63	65	61	58	60	58	53	48	41	30	16	71
103	5/6	M-16 live	200-430	T243	6	34			39		39	38		41	37	40	43	41	37	43	38	38	41	45	50	52	57	58	60	58	55	52	50	45	39	32	21	20	13	66
103	5/6	M-16 live	200-430	T244	3	45	31	46	42		28		28	41	40	39	44	44	43	43	41	41	43	44	50	54	56	57	56	53	53	50	49	47	43	33	22	20		64
103	5/6	M-16 live	200-430	T244	13	49	47	44	44	39	35	39	28	41	41	38	42	44	43	43	41	43	40	42	49	53	55	63	70	64	61	60	56	50	45	41	33	24	16	72
103	5/6	M-16 live	200-430	T244	25			45	41		42	39	28	43	42	46	48	48	47	45	45	48	48	52	54	60	63	64	65	62	58	58	54	54	51	50	44	31	16	71
103	5/6	M-16 live	200-430	T246	2	40	38	42	34		38	40	28	43	43	41	46	44	42	42	42	42	45	47	52	55	57	59	58	53	52	50	45	40	35	28	19	19		65
103	5/6	M-16 live	200-430	T246	11			39	35		39	32		42	40	45	47	47	47	46	45	44	45	48	49	53	52	51	53	49	48	44	40	31	29	22		16		61
103	5/6	M-16 live	200-430	T246	15			34			28	37		40	41	43	47	48	47	45	43	41	42	45	49	53	55	52	52	52	49	45	39	32	26	20		19		62
103	5/6	M-16 live	200-430	T247	13	37		38			37	35	28	42	39	39	44	43	42	42	38	37	43	48	52	54	57	57	55	55	55	51	48	44	38	32	26	17		64
103	5/6	M-16 live	200-430	T247	26	47		45	44	36	40	40	41	41	42	43	45	44	39	43	41	38	46	50	55	56	59	59	58	55	57	54	50	44	39	34	26	21		67
103	5/6	M-16 live	200-430	T248	3	46	41	45	46		43	40	36	45	44	45	48	47	44	44	47	44	46	49	50	55	57	58	59	58	56	53	49	43	37	30	17	23		66
103	5/6	M-16 live	200-430	T248	11	44		44	34		40	40	37	43	45	45	48	47	45	44	45	47	51	53	56	59	61	60	59	60	58	56	52	48	42	37	30	24		69
103	5/6	M-16 live	200-430	T248	18	54	54	52	52	47	43	42	34	45	45	45	46	45	45	45	47	45	49	51	54	57	57	58	58	57	54	50	45	37	34	28		20	37	67
103	5/6	M-16 live	200-430	T249	4	42		45	44		42	42	42	48	49	52	53	54	52	50	51	52	51	56	59	61	64	65	65	63	60	58	54	49	43	36	26	26		72
103	5/6	M-16 live	200-430	T249	7			43	38	31	35	38	28	45	46	47	51	51	50	48	46	47	47	50	53	54	57	55	55	54	51	47	42	35	31	23	13	13		65
103	5/6	M-16 live	200-430	T249	20	56	55	53	49	44	46	44	40	48	47	46	50	47	45	46	45	44	48	50	51	53	55	56	58	58	56	53	49	43	36	30	19	24	13	67
103	5/6	M-16 live	200-430	T250	4	45	48	43	45		40	39		43	44	43	46	44	41	44	44	44	48	50	52	56	59	61	61	60	57	54	50	45	40	32	19	25		68
103	5/6	M-16 live	200-430	T250	14	49	46	47	46	43	47	43	42	47	48	49	51	50	51	52	52	55	56	61	71	75	77	74	73	66	65	64	62	63	58	55	56	51	46	82
103	5/6	M-16 live	200-430	T250	16				38	28	39	32		41	40	39	41	40	38	41	41	42	46	48	53	56	57	57	54	54	52	48	45	40	34	28	13	13		64
103	5/6	M-16 live	200-430	T250	27	48	47	47	43	42	42	32		38	40	39	41	41	38	43	42	44	49	53	59	63	66	68	69	66	62	58	58	52	48	42	33	26	16	75
103	5/6	M-16 live	200-430	T251	6	48	44	39	34		46	42		47	44	46	48	46	44	46	45	44	49	54	57	61	64	66	66	65	61	56	53	49	45	37	29	25	20	73
103	5/6	M-16 live	200-430	T252	5	44		46	38		44	42	34	47	44	45	48	46	41	45	44	45	48	53	53	55	57	58	58	56	52	50	45	38	34	26	16	20	13	66
103	5/6	M-16 live	200-430	T252	8			35	38		40	37		43	41	39	45	41	29	41	39	35	43	47	50	51	50	51	51	51	48	46	39	24	28	22		13		60
103	5/6	M-16 live	200-430	T252	16			38	37		38	32		42	40	43	46	46	45	41	39	36	41	45	46	48	50	51	51	51	48	45	39	27	29	17				60
103	5/6	M-16 live	200-430	T252	18	34		41			28	28		38	42	43	45	44	41	42	40	35	40	44	48	48	47	50	52	52	49	45	40	27	29	23				60
103	5/6	M-16 live	200-430	T253	6	41		47	38		47	40	28	47	45	41	49	47	44	45	44	39	47	50	52	56	58	58	56	57	56	54	49	44	40	33	24	23	21	66
103	5/6	M-16 live	200-430	T253	19	40		42	40		40	39	32	45	38	36	45	43	40	44	43	38	44	49	53	56	58	58	55	55	54	51	48	43	38	32	21	20		65
103	5/6	M-16 live	200-430	T254	3	38	34	42	41		40	40		42	36	39	44	40	37	40	39	34	40	41	42	44	46	48	49	49	47	43	37	24	28	22		22		57
103	5/6	M-16 live	200-430	T254	8	42	34	38	42		45	42		39	42	38	44	42	37	42	40	33	42	41	40	43	45	44	44	43	39	37	32	-240	24	13		22		56

103	5/6	M-16 live	200-430	T254	17						38	37		42	36	35	41	37	31	38	36	32	39	41	40	44	46	48	50	50	49	46	40	31	28	21		17		57
103	5/6	M-16 live	200-430	T254	19			41	38		40	34		40	38	38	42	39	38	39	39	23	39	40	38	43	47	48	50	50	49	45	40	29	27	17		17		58
103	5/6	M-16 live	200-430	T254	21	34		42			45			41	37	37	39	40	41	42	38	34	38	39	41	44	47	48	51	51	49	45	40	30	29	20		13		58
103	5/6	M-16 live	200-430	T254	24	37		40	42		41	42		46	40	35	43	39	37	41	40	34	40	41	38	45	46	47	49	50	48	46	40	26	30	19		13		58
103	5/6	M-16 live	200-430	T255	4	43		38	44		46	43		46	44	39	46	43	29	44	42	33	44	47	50	54	57	59	58	57	55	50	46	43	37	29	16	17		66
103	5/6	M-16 live	200-430	T255	11	44		46	42		44	39		47	39	38	46	43	34	43	43	34	44	44	44	46	49	50	51	52	50	47	41	29	32	23		20		60
103	5/6	M-16 live	200-430	T255	20	38	38	42	39		39	38		39	38	36	42	40	37	37	39	35	38	42	42	45	46	45	46	46	45	41	35	21	25	13		16		56
103	5/6	M-16 live	200-430	T256	8	38	34	43	47		47	45	44	52	52	54	57	57	59	58	56	56	57	61	66	70	73	75	76	76	74	69	66	64	60	56	52	41	35	83
103	5/6	M-16 live	200-430	T256	23	60	59	56	55	54	54	53	52	55	56	58	59	59	60	61	62	63	65	69	73	79	83	86	87	87	85	83	80	78	77	74	72	68	65	94
103	5/6	M-16 live	200-430	T257	4	50	51	49	46	44	43	45	44	49	51	53	54	55	55	55	53	56	58	64	69	72	74	76	76	76	72	66	65	62	59	53	49	43	37	83
103	5/6	M-16 live	200-430	T257	7			44	39		42	41	28	40	38	37	45	40	39	43	42	43	47	51	57	62	65	68	69	69	66	62	58	56	50	44	37	30	16	75
103	5/6	M-16 live	200-430	T257	12	49	47	49	47	43	48	46	45	51	52	53	54	56	55	55	55	56	58	62	68	72	75	78	80	80	79	75	72	71	67	64	59	56	50	87
103	5/6	M-16 live	200-430	T257	17	37	40	45	46		45	44	39	51	52	53	55	56	56	54	53	55	58	61	65	69	74	77	76	75	73	70	66	63	58	53	47	37	48	83
103	5/6	M-16 live	200-430	T257	29	56	56	58	58	57	55	57	57	57	57	60	61	61	63	63	64	66	68	74	78	82	86	88	88	88	88	86	84	81	80	80	78	73	69	96
103	5/6	M-16 live	200-430	T258	9	60	59	59	57	57	57	56	55	56	57	57	58	58	58	58	59	62	63	65	70	75	78	81	83	84	83	83	82	79	75	77	75	69	63	92
103	5/6	M-16 live	200-430	T258	18	50	49	51	49	46	51	48	46	52	55	55	58	58	57	58	59	60	61	63	70	75	79	80	83	82	81	78	75	73	69	67	64	60	56	89
103	5/6	M-16 live	200-430	T259	8	60	59	59	57	57	57	56	55	56	56	57	58	58	58	58	58	62	63	65	70	75	78	81	83	84	83	83	82	79	75	77	75	69	63	92
103	5/6	M-16 live	200-430	T259	18	50	49	51	49	46	51	48	46	52	55	55	58	58	57	58	59	60	61	63	70	75	79	80	83	82	81	78	75	73	69	67	64	60	56	89
103	5/6	M-16 live	200-430	T260	6	42		47	41		43	45	39	49	50	50	52	52	51	53	52	51	53	57	61	65	66	68	67	66	64	61	59	53	49	51	42	36	32	75
103	5/6	M-16 live	200-430	T261	2	49	49	50	49	49	49	46	45	48	46	46	49	49	50	51	53	54	54	56	62	68	72	77	76	70	65	63	65	60	60	54	55	50	45	81
103	5/6	M-16 live	200-430	T261	9	46	48	47	49	44	48	45	43	50	51	53	55	54	53	54	54	54	55	58	63	67	71	74	76	77	76	72	68	68	65	62	56	53	52	83
103	5/6	M-16 live	200-430	T261	20	45		44	41		43	44	44	50	51	53	55	55	53	53	54	52	53	56	60	63	66	66	66	65	64	59	55	51	45	40	30	27		74
103	5/6	M-16 live	200-430	T261	24			42			38	28		45	43	44	47	47	46	50	47	46	50	54	59	62	65	67	68	67	63	58	54	49	45	38	32	26	19	74
103	5/6	M-16 live	200-430	T262	4			44	43		43	35	29	44	42	42	46	42	42	45	44	40	47	51	55	55	57	58	58	57	54	49	45	39	34	27	17	16		66
103	5/6	M-16 live	200-430	T262	7	40		40	34		41	41		45	40	38	45	42	36	42	43	37	41	45	48	52	54	53	55	55	53	47	43	37	33	26	16			63
103	5/6	M-16 live	200-430	T263	3	38		45	38		38	34		44	43	42	46	43	41	43	41	40	45	48	51	55	57	60	62	61	57	52	47	38	32	24	17	22	13	68
103	5/6	M-16 live	200-430	T263	6	47	35	42	38	32	37	28	28	40	38	38	44	39	39	41	37	37	43	47	54	59	62	64	67	65	61	56	53	48	44	37	26	22	13	72
103	5/6	M-16 live	200-430	T263	15	44		42			44	43	34	45	40	38	43	41	34	38	40	35	43	47	52	57	58	58	56	56	53	49	44	37	33	27		13		65

103	5/6	M-16 live	200-430	T264	3	46		42			40	42		43	46	47	49	48	48	49	44	43	43	46	52	57	58	56	57	55	54	49	43	36	32	23	16	19		65
103	5/6	M-16 live	200-430	T264	7	41	34	45	40		43	38	35	45	45	48	51	51	50	49	49	48	45	49	56	58	62	62	62	59	55	50	46	39	34	27	16	22	13	69
103	5/6	M-16 live	200-430	T264	9			34	41		38	42	41	45	46	48	51	51	50	48	46	46	42	46	51	56	58	53	57	55	51	47	43	37	31	21	17	19	13	65
103	5/6	M-16 live	200-430	T264	16	41		41	40		44	41	38	47	49	49	53	52	51	51	49	49	49	51	58	62	64	65	64	65	60	56	51	48	42	38	30	24	13	72
103	5/6	M-16 live	200-430	T265	7	52	39	48	45	35	47	44	28	47	45	43	49	46	44	47	45	38	46	49	52	53	56	57	57	56	54	50	46	39	36	28	13	20		65
103	5/6	M-16 live	200-430	T265	10	51	51	51	45	42	38	41	37	43	41	39	44	41	39	42	41	30	43	46	47	51	52	53	54	54	52	47	44	37	33	23		13		63
103	5/6	M-16 live	200-430	T265	15	49	50	49	44	32	47	43		48	43	41	48	44	40	44	43	32	43	46	47	51	53	54	55	54	52	48	44	36	34	23		23	16	63
103	5/6	M-16 live	200-430	T266	9	38		39			35	37		40	37	37	42	41	33	38	36	19	39	41	41	45	47	50	50	50	47	44	39	32	28	20				58
103	5/6	M-16 live	200-430	T266	14	38	43	45	40		41	40		46	41	39	45	43	36	43	42	34	43	44	47	50	52	53	54	54	51	47	43	34	31	25		22		62
103	5/6	M-16 live	200-430	T267	6	53	52	51	49	36	48	45	40	49	50	52	54	54	54	54	54	55	56	60	64	69	72	74	73	71	67	64	64	56	52	50	43	39	33	80
103	5/6	M-16 live	200-430	T267	8	45	49	52	49	44	44	38	37	45	45	47	49	50	48	49	48	50	50	52	58	61	64	65	66	66	64	58	56	52	46	43	38	31	16	73
103	5/6	M-16 live	200-430	T267	15	61	60	59	59	56	56	54	53	56	56	56	57	58	58	57	57	60	63	70	75	77	80	83	84	85	83	81	78	77	77	75	73	66	63	92
103	5/6	M-16 live	200-430	T267	20	54	53	50	51	49	51	48	49	52	53	54	56	56	56	57	57	60	62	66	71	77	81	82	81	79	77	76	71	71	68	69	68	62	54	88
103	5/6	M-16 live	200-430	T267	30	87	87	86	84	81	80	79	76	74	68	64	68	69	69	67	66	69	68	69	73	76	80	82	84	84	82	80	79	77	76	75	72	68	64	95
103	5/6	M-16 live	200-430	T268	3	44		42	38		43	39	31	49	49	52	53	54	51	52	51	52	54	56	61	64	67	69	69	67	64	61	60	52	53	61	55	49	25	76
103	5/6	M-16 live	200-430	T268	8			40	42		45	46	37	50	51	52	53	52	51	52	52	52	55	57	61	65	67	68	68	66	63	59	60	53	55	66	59	53	47	76
103	5/6	M-16 live	200-430	T268	13		34	45	38		45	45	43	49	50	50	53	53	50	51	50	51	53	56	61	63	65	66	66	64	61	57	60	52	56	65	59	52	30	74
103	5/6	M-16 live	200-430	T268	18	44		47	37		43	40	39	45	46	48	49	49	49	48	48	50	50	53	58	62	63	64	64	60	57	55	57	49	54	64	57	50	28	72
103	5/6	M-16 live	200-430	T268	23	51	46	48	47	38	45	46	41	50	51	53	55	54	53	52	53	55	56	61	67	72	76	77	79	78	74	67	67	63	60	63	58	50	40	85
103	5/6	M-16 live	200-430	T268	30	49	47	51	49	46	48	48	43	50	51	53	55	55	54	54	55	56	57	62	67	72	74	77	77	77	74	72	68	66	65	68	61	56	47	84
103	5/6	M-16 live	200-430	T269	7	54	51	51	51	47	48	49	47	53	54	56	58	57	57	57	57	60	61	65	70	75	77	80	80	78	76	73	70	67	64	67	62	55	49	87
103	5/6	M-16 live	200-430	T269	11	46		31			46	40	41	48	49	49	52	51	51	51	52	55	56	61	66	70	74	75	76	75	73	68	66	62	57	57	52	41	27	82
103	5/6	M-16 live	200-430	T269	15	47	50	47	46	43	47	46	43	49	50	52	54	54	52	52	53	54	56	61	67	73	77	79	79	78	75	71	68	67	62	59	54	48	44	86
103	5/6	M-16 live	200-430	T269	22			47	45		48	44	44	51	52	53	56	54	53	53	54	54	56	59	63	67	69	72	73	72	70	66	63	60	53	49	42	34	22	79
103	5/6	M-16 live	200-430	T269	30	41		46	42		42	40	38	46	47	49	50	48	47	47	47	49	52	54	59	64	67	69	70	69	64	60	58	55	51	45	38	30	17	76
103	5/6	M-16 live	200-430	T270	3	34		43	42		42	41	40	48	50	52	53	51	50	50	52	52	53	57	62	66	68	70	70	70	67	62	59	55	51	45	38	31	19	77
103	5/6	M-16 live	200-430	T270	7	34		42	35		35	38	28	42	43	45	48	48	46	44	46	46	47	51	56	60	60	61	59	58	57	53	50	44	38	32	24	21		68
103	5/6	M-16 live	200-430	T270	10			40	43		40	41	39	45	48	49	52	51	50	49	48	51	51	53	57	60	61	61	60	59	57	52	48	43	36	30	19	24		69
103	5/6	M-16 live	200-430	T270	13	43		42	31		39	41	32	47	47	49	51	49	48	48	49	50	52	54	59	64	68	70	70	67	63	58	56	52	46	39	32	28	13	76
103	5/6	M-16 live	200-430	T270	18	44		39	42		43	43	37	49	48	50	53	52	49	51	51	51	52	56	61	64	67	67	64	63	63	57	55	51	46	39	28	26	13	74
103	5/6	M-16 live	200-430	T270	21			40	37		35	31		42	43	46	49	46	45	45	46	48	50	54	58	61	64	62	62	64	63	60	58	55	47	41	34	22	16	72

103	5/6	M-16 live	200-430	T271	6	53	52	53	49	47	51	48	45	50	49	52	54	55	53	53	53	55	61	64	67	69	74	77	76	75	71	65	67	63	60	61	57	53	50	83
103	5/6	M-16 live	200-430	T271	16	41		48	42		47	48	47	53	56	57	60	60	59	58	58	57	58	62	66	69	71	72	71	69	66	62	58	54	49	43	33	30	17	79
103	5/6	M-16 live	200-430	T271	30	57	52	53	51	50	51	51	50	55	57	58	61	60	59	59	60	61	63	66	72	77	80	82	84	82	81	76	73	72	68	66	62	60	56	90
103	5/6	M-16 live	200-430	T272	5	57	54	54	54	48	50	48	45	50	51	52	54	53	54	55	56	58	59	63	68	72	76	77	80	80	77	73	69	70	67	64	62	59	58	86
103	5/6	M-16 live	200-430	T272	13	55	54	55	54	52	52	52	52	55	55	57	58	58	58	57	58	60	61	66	71	75	79	82	83	82	80	76	74	73	70	67	64	60	55	89
103	5/6	M-16 live	200-430	T273	15	54	54	53	53	50	53	52	52	57	58	59	62	62	61	61	60	60	62	67	72	75	78	80	81	81	78	73	71	71	65	65	59	57	53	88
103	5/6	M-16 live	200-430	T273	22	51	40	51	51	48	50	50	50	53	55	56	58	58	59	59	59	61	63	64	70	76	81	81	83	82	81	77	74	73	69	69	64	62	61	90
103	5/6	M-16 live	200-430	T273	28	47	43	46	49	40	48	48	45	51	52	54	56	57	57	56	55	58	61	66	70	75	78	80	83	81	79	74	73	72	66	64	61	59	56	88
103	5/6	M-16 live	200-430	T274	1	38			40	28		35		43	38	41	45	46	44	44	42	49	51	55	62	63	65	67	67	60	59	58	53	51	47	42	35	23	16	73
103	5/6	M-16 live	200-430	T274	12	50	51	51	49	45	50	48	48	53	55	58	60	61	61	60	59	60	61	64	70	75	78	79	80	79	77	73	70	68	67	65	59	56	53	87
103	5/6	M-16 live	200-430	T274	22	47	48	44	42		41	43	43	48	49	52	55	54	55	53	54	54	53	55	60	64	66	67	66	64	63	59	54	48	42	37	26	27	13	74
103	5/6	M-16 live	200-430	T274	30	45		38	42		45	41	41	48	48	52	54	55	56	53	54	54	54	57	63	68	70	71	69	69	67	63	59	55	49	44	37	29	20	77
103	5/6	M-16 live	200-430	T275	2	34					43	37	41	47	48	51	52	53	52	51	49	48	50	52	57	62	64	67	66	64	60	56	53	48	42	37	29	27		73
103	5/6	M-16 live	200-430	T275	4	46	44	45	43	42	44	45	41	45	47	47	48	47	46	47	49	51	53	59	68	72	76	75	76	74	70	63	65	61	60	55	48	43	39	83
103	5/6	M-16 live	200-430	T275	13	53	51	51	50	48	48	49	45	51	52	54	56	55	54	54	55	57	59	64	69	73	75	78	79	79	75	70	69	67	64	62	59	55	51	85
103	5/6	M-16 live	200-430	T275	15	49	50	49	47	47	41	44	46	47	45	48	48	48	46	48	49	56	62	66	72	72	75	78	75	73	68	70	67	66	62	60	58	54	48	83
103	5/6	M-16 live	200-430	T275	18			41			28	35	31	42	43	45	48	49	47	47	45	44	48	51	56	61	63	64	61	59	58	53	49	45	39	33	23	23		70
103	5/6	M-16 live	200-430	T275	28	46	34	47	41		49	48	43	52	54	56	58	57	57	57	58	55	55	60	65	68	70	70	70	67	64	61	56	51	46	40	33	28	19	77
103	5/6	M-16 live	200-430	T275	30		39				38	32	31	43	42	45	48	49	50	49	49	46	44	46	52	56	56	56	56	53	51	47	41	33	28	21	16	17		64
103	5/6	M-16 live	200-430	T276	4	44		42	40		44	44	42	48	51	53	55	56	54	54	54	55	53	56	62	66	66	67	67	65	63	58	55	52	51	48	43	37	16	75
103	5/6	M-16 live	200-430	T276	7	40		45	42	31	43	42	32	46	46	49	50	50	50	52	52	51	54	57	62	66	68	68	66	65	64	61	55	50	46	43	33	28	17	75
103	5/6	M-16 live	200-430	T276	11	45		46	45		42	40	43	47	49	50	53	53	53	55	56	53	55	57	64	69	69	69	69	66	64	60	56	53	48	42	32	27	17	76
103	5/6	M-16 live	200-430	T276	18	51	47	45	47	42	45	44	46	50	52	52	54	54	54	54	54	53	56	59	66	71	73	77	76	75	72	69	65	65	61	58	53	52	48	83
103	5/6	M-16 live	200-430	T276	23	42	34	43	43	42	46	36	28	42	42	45	47	47	46	48	46	46	49	55	61	68	70	72	75	74	74	70	65	63	58	54	54	48	44	81
103	5/6	M-16 live	200-430	T276	25	42	44	47	45	44	40	41	40	45	44	45	48	49	49	48	49	52	52	55	61	66	71	72	76	74	68	63	62	62	57	54	47	48	45	81
103	5/6	M-16 live	200-430	T276	27	43	48	43	48	47	44	43	41	44	44	47	49	49	48	48	48	48	53	59	63	69	72	76	76	78	76	72	67	70	67	64	60	58	54	84
103	5/6	M-16 live	200-430	T276	29	50	47	44	47	46	46	43	43	43	44	45	48	47	48	50	53	53	54	61	68	75	76	77	75	74	65	68	65	62	63	59	59	55	49	83
103	5/6	M-16 live	200-430	T277	19	48	47	51	50	44	50	49	47	54	55	56	59	59	58	58	58	57	59	63	69	74	77	80	80	77	75	71	68	64	61	62	53	48	42	86

103	5/6	M-16 live	200-430	T277	30	51	46	50	49	46	49	49	46	53	55	57	59	59	58	58	58	59	62	65	71	77	79	79	79	79	76	71	70	66	66	65	59	58	52	87
103	5/6	M-16 live	200-430	T278	7	54	55	54	52	51	51	51	51	55	56	58	60	60	61	59	59	60	61	67	72	77	79	81	80	80	76	72	70	69	65	63	60	57	52	87
103	5/6	M-16 live	200-430	T278	16	49	51	48	48	47	47	47	47	52	53	54	56	56	58	58	58	58	59	61	68	73	77	78	78	78	74	69	68	67	60	62	58	56	52	85
103	5/6	M-16 live	200-430	T278	20	47	38	46	41	41	45	48	44	49	49	51	54	55	56	56	55	57	56	59	62	67	69	72	77	75	72	69	64	64	59	59	54	52	48	82
103	5/6	M-16 live	200-430	T278	27	50	34	50	48		45	44	44	51	52	54	57	56	55	54	55	57	59	64	68	72	74	75	72	72	71	67	62	57	50	45	40	35	26	81
103	5/6	M-16 live	200-430	T278	29	41	38	42	41		38	31	41	44	44	48	51	50	50	49	48	52	55	58	67	71	75	74	72	73	69	67	67	59	59	57	54	50	48	81
103	5/6	M-16 live	200-430	T279	6	52	50	50	43	40	45	44	46	52	54	54	56	55	54	53	53	54	55	59	64	69	71	73	72	71	69	65	62	56	50	49	51	39	23	79
103	5/6	M-16 live	200-430	T279	30	51	46	51	51	44	52	51	50	57	59	61	63	64	64	64	62	62	62	66	72	78	80	81	81	80	76	73	68	65	61	57	51	47	44	88
103	5/6	M-16 live	200-430	T280	3	43		41	42		45	41	41	48	50	52	54	54	52	51	52	51	53	58	65	70	71	70	70	69	65	64	55	49	42	34	28	27		78
103	5/6	M-16 live	200-430	T280	11	57	52	54	53	51	53	53	53	54	56	57	59	59	59	60	60	61	61	64	71	74	78	81	80	79	75	76	74	68	65	61	57	53	52	87
103	5/6	M-16 live	200-430	T280	21	54	54	54	51	36	47	46	45	52	53	57	58	58	58	57	56	57	57	61	68	73	77	77	76	74	69	65	61	57	52	49	37	33	20	83
103	5/6	M-16 live	200-430	T280	30	56	57	55	52	52	52	52	50	55	56	57	59	59	59	59	59	60	61	62	69	73	74	74	73	74	74	70	64	58	57	52	51	50	47	82
103	5/6	M-16 live	200-430	T281	6	53	55	53	52	47	50	51	50	53	55	57	58	59	59	59	59	60	61	61	65	70	75	79	75	71	68	67	65	59	57	56	55	52	51	83
103	5/6	M-16 live	200-430	T281	13	40	47	45	37	36	42	39	37	45	45	45	49	47	46	47	51	50	57	59	68	70	73	71	64	65	64	68	61	55	53	45	38	32	29	78
103	5/6	M-16 live	200-430	T281	19	51	46	48	47		44	45	41	50	51	53	55	55	55	55	55	55	55	55	61	67	72	75	75	72	71	68	64	62	58	52	46	43	37	34	81
103	5/6	M-16 live	200-430	T281	25	57	55	53	53	51	52	51	50	52	52	53	55	55	56	57	57	57	59	64	69	73	77	80	81	80	79	76	70	70	69	66	63	59	54	88
103	5/6	M-16 live	200-430	T281	30			35	31		38	38	32	43	44	49	51	51	51	51	51	50	47	49	56	63	64	66	67	63	57	54	50	46	37	29	24	22		73
103	5/6	M-16 live	200-430	T282	2			44	38		39	41	33	47	48	51	52	52	52	52	52	52	49	52	58	65	67	68	68	65	61	59	53	47	39	32	23	24	16	74
103	5/6	M-16 live	200-430	T282	5	38					42	41	38	44	46	50	52	53	53	52	51	52	48	51	57	61	63	64	63	61	58	54	50	44	36	29	23	22	22	71
103	5/6	M-16 live	200-430	T282	12	48	45	50	48	46	48	47	45	48	50	50	52	53	50	50	50	49	53	58	65	72	77	77	77	74	72	67	66	65	61	58	51	49	48	83
103	5/6	M-16 live	200-430	T282	16			40	35			38	29	45	45	49	51	50	49	50	49	44	44	47	54	58	64	62	62	60	55	50	45	39	34	28	17	19	45	69
103	5/6	M-16 live	200-430	T282	19	46	35	35	45		36	35	34	45	46	46	48	48	51	51	48	47	47	51	60	66	68	66	64	62	60	57	54	44	41	31	20	23	13	73
103	5/6	M-16 live	200-430	T282	25	54	54	53	52	49	48	48	45	51	53	56	58	58	59	59	57	57	59	64	72	77	79	82	81	79	74	71	72	68	66	63	64	62	59	88
103	5/6	M-16 live	200-430	T282	30	43	42	41	42		42	39	35	44	47	49	52	52	51	51	50	50	48	54	61	66	68	69	70	68	64	60	56	51	44	36	28	24	16	76
103	5/6	M-16 live	200-430	T283	5	51	49	51	52	47	47	46	43	51	53	55	57	56	57	56	55	56	55	57	64	69	73	75	76	73	71	67	65	64	58	51	43	37	31	82
103	5/6	M-16 live	200-430	T283	13	52	46	49	49	44	45	48	48	53	54	56	59	57	57	57	57	57	59	64	72	76	77	76	77	73	71	68	63	60	56	56	50	45	39	84
103	5/6	M-16 live	200-430	T283	27	47	44	47	46	40	47	46	44	51	53	55	57	57	56	57	57	57	61	65	70	75	76	78	77	75	72	67	67	62	60	55	50	46	44	84
103	5/6	M-16 live	200-430	T284	4			42	40		39	37	40	46	46	48	50	49	48	47	50	51	53	58	64	67	67	67	65	69	68	62	55	51	44	40	36	27	16	76
103	5/6	M-16 live	200-430	T284	9	44		48	38	32	45	43	31	48	49	51	54	52	50	50	53	53	56	61	67	70	72	72	72	73	71	66	60	54	47	44	45	37	24	80
103	5/6	M-16 live	200-430	T284	15	49	49	46	48	47	47	47	46	49	50	51	54	55	55	54	56	55	58	63	69	73	76	78	78	77	72	69	68	63	61	58	56	50	49	85
103	5/6	M-16 live	200-430	T284	21	43		47			42	42	41	47	49	51	54	55	54	54	54	56	54	55	62	66	67	66	66	63	61	58	53	49	42	34	23	23	13	74

103	5/6	M-16 live	200-430	T284	26	37		42	44		45	40	42	47	48	51	54	53	53	52	52	49	49	54	61	66	67	70	69	67	67	64	58	55	50	44	37	27	13	77
103	5/6	M-16 live	200-430	T284	28	38		35			39	36	28	39	44	44	47	47	46	46	46	42	43	47	53	57	59	58	63	60	59	51	44	37	32	20		16		68
103	5/6	M-16 live	200-430	T285	8	54	53	53	51	51	51	49	49	52	55	57	59	59	58	58	60	61	60	64	72	77	79	79	78	75	71	70	67	63	63	58	56	52	45	86
103	5/6	M-16 live	200-430	T285	13	38			39		37		28	42	42	44	47	47	46	46	44	46	43	48	50	57	58	59	59	54	52	46	43	36	32	23	13	20		66
103	5/6	M-16 live	200-430	T285	16	41		41			41	32	43	45	47	48	50	51	49	48	47	48	46	50	56	60	61	62	63	58	58	52	47	40	37	28	19	19		69
103	5/6	M-16 live	200-430	T285	20	37		47	45	38	41	45	42	49	48	51	53	52	50	51	52	54	55	58	64	67	68	72	71	67	64	61	59	58	53	49	51	47	39	78
103	5/6	M-16 live	200-430	T285	24	34		43			46	43	39	47	46	49	52	50	49	50	49	47	47	52	57	63	62	63	64	61	57	53	48	42	36	28	16	22		70
103	5/6	M-16 live	200-430	T286	2				35		41	45	36	44	45	46	48	48	47	47	46	45	42	45	53	58	61	59	61	58	57	48	45	38	33	24	13	20		68
103	5/6	M-16 live	200-430	T286	6	37		43	37		43	42	25	46	47	49	52	52	52	52	52	50	47	50	56	62	62	60	63	60	57	52	49	49	42	35	25	26	23	70
103	5/6	M-16 live	200-430	T286	10	37		41			41	35	40	44	44	43	48	48	47	48	48	47	45	51	56	63	66	68	71	68	62	60	57	52	43	35	28	21	13	76
103	5/6	M-16 live	200-430	T286	12	34		38	34		38	40	39	41	43	44	49	46	46	47	46	48	43	44	48	58	56	54	59	52	58	56	50	44	36	28	16	13		66
103	5/6	M-16 live	200-430	T286	14	34					38			44	41	44	48	47	46	46	45	47	43	48	48	54	57	54	57	56	52	49	44	44	46	34	29	26		64
103	5/6	M-16 live	200-430	T286	16			34	41		40	35	28	40	41	44	47	46	47	44	44	45	43	49	53	56	60	59	59	57	58	52	44	39	32	24		16		67
103	5/6	M-16 live	200-430	T286	19	41			34		39	38	36	45	43	43	46	45	45	44	43	42	41	46	54	58	61	63	64	64	63	55	49	45	41	34	24	19		71
103	5/6	M-16 live	200-430	T286	21	38			38		38	28	39	42	40	44	46	44	44	44	45	38	40	45	52	57	59	60	58	53	53	48	43	37	31	22	16			66
103	5/6	M-16 live	200-430	T286	23	41		38			32	35		42	39	43	46	43	42	45	43	40	39	44	51	54	56	54	57	54	51	45	42	35	29	25	22	13		64
103	5/6	M-16 live	200-430	T286	29	45		47	46	38	44	42	37	48	47	50	52	52	51	52	50	50	52	55	61	66	70	72	69	69	67	61	55	53	52	47	39	36	30	77
103	5/6	M-16 live	200-430	T287	3	44		44	38		40	40	36	47	45	47	51	51	49	47	47	47	46	51	57	62	65	65	64	60	58	53	49	44	37	31	20	22		71
103	5/6	M-16 live	200-430	T287	6	37		34			35		36	41	39	44	47	46	43	44	39	40	42	47	52	57	64	68	68	66	61	57	55	52	44	36	27	21	13	73
103	5/6	M-16 live	200-430	T287	20	52	51	49	50	47	48	47	43	46	43	46	48	50	46	47	48	49	53	63	69	74	78	75	75	72	66	67	66	63	63	58	56	52	50	83
103	5/6	M-16 live	200-430	T288	3	57	54	53	52	51	50	50	50	52	52	50	52	54	55	56	52	51	52	54	61	67	72	76	79	79	79	77	74	71	69	65	65	59	55	86
103	5/6	M-16 live	200-430	T288	7			43	41		43	40	37	43	42	46	49	47	47	46	47	44	45	50	56	58	62	64	62	59	57	54	50	43	38	30	20	23		70
103	5/6	M-16 live	200-430	T288	18	38		38	37		36			45	44	46	49	46	48	46	45	45	45	49	51	57	57	56	58	56	53	50	44	36	33	24	13	17		65
103	5/6	M-16 live	200-430	T289	3	34		31	42		41	37		44	42	45	47	47	45	44	43	44	44	46	50	56	56	55	54	53	49	46	40	32	29	22	13	13		63
103	5/6	M-16 live	200-430	T289	6	44		40			39		28	44	40	41	45	44	43	45	42	39	42	44	49	54	55	55	54	52	51	47	43	37	32	27	16			63
103	5/6	M-16 live	200-430	T289	16	37		38	41		42	42	36	48	44	45	50	48	49	47	47	44	47	48	52	57	58	60	59	56	54	50	45	37	33	26	17	20	37	67
103	5/6	M-16 live	200-430	T289	19	34					39	28		41	38	42	44	44	44	43	45	45	41	44	46	55	55	53	53	52	51	45	39	32	27	19	16	17	16	62
103	5/6	M-16 live	200-430	T289	29	37		42	42		44	40	35	45	45	47	49	50	48	48	47	44	42	45	50	55	55	57	57	54	52	48	43	36	32	24	13	19		64

103	5/6	M-16 live	200-430	T290	2			38	31		38	37	28	40	42	44	47	48	49	49	46	43	42	44	47	52	51	57	55	50	48	44	40	36	29	24	17		13	63
103	5/6	M-16 live	200-430	T290	4			41	37		38	34	28	41	42	42	46	47	47	47	46	43	41	44	48	50	51	55	52	51	48	45	40	34	29	16		20		61
103	5/6	M-16 live	200-430	T290	12	41	43	47	43		44	38	39	47	46	49	51	51	49	51	51	51	51	54	58	63	66	68	67	64	59	59	54	51	47	40	32	27	13	74
103	5/6	M-16 live	200-430	T291	5	40	34	44			35	31		47	42	44	48	48	44	45	44	41	45	48	51	52	55	55	54	52	48	45	40	30	30	25		13		63
103	5/6	M-16 live	200-430	T291	19	48		47	45		47	46	39	49	48	48	52	51	49	49	47	42	47	50	53	57	58	59	58	57	53	50	45	34	35	27		23		67
103	5/6	M-16 live	200-430	T291	29	46	35	48	44		45	43	43	48	47	49	52	51	47	46	46	41	48	50	53	58	59	58	57	55	51	48	42	34	33	25	13	22		66
103	5/6	M-16 live	200-430	T292	5	42		44	44		46	42	38	48	44	46	49	47	44	46	47	47	46	49	54	59	59	59	59	56	54	50	46	37	34	28	13	20	13	67
103	5/6	M-16 live	200-430	T292	7			38			40	37	34	42	39	39	46	43	40	40	39	41	42	45	50	53	54	52	52	51	48	45	41	32	28	20				61
103	5/6	M-16 live	200-430	T292	9	37		31	39		35	0	0	39	39	40	45	46	44	40	43	42	40	44	49	49	52	52	52	50	49	46	38	30	28	20	16	19		60
103	5/6	M-16 live	200-430	T292	26	45		47	42		48	47	43	51	50	52	55	55	54	51	51	49	49	52	55	60	61	60	60	58	55	52	48	43	38	34	34	29	13	69
103	5/6	M-16 live	200-430	T293	15	83	82	82	81	80	78	76	74	72	67	62	61	63	66	68	67	67	60	63	68	69	73	75	78	78	81	82	80	79	76	76	77	71	66	92
152	6/8	50 cal live	1000-2000	T964	2	38	40	41	50	55	56	58	58	60	61	61	56	50	40	34	37	34	32	29	25	26	26	20	24	22	10	21	18		17	5				68
152	6/8	50 cal live	1000-2000	T964	6	36	38	42	49	53	55	55	57	59	58	59	54	43	39	34	35	29	31	29	25	27	25	13	21	22		19	19		10			2		66
152	6/8	50 cal live	1000-2000	T964	9	33	40	39	45	51	52	54	56	57	55	54	50	42	41	33	34	27	29	27	22	24	24	15	22	27		20	20		13	2		5		63
159	4/20	50 cal live	4000-5000	T685	2	40		50	45	48	45	45	39	46	42	47	54	47	39	43	42	35	43	41	37	40	40	0	35	36		31	32		24	12				59
159	4/20	50 cal live	4000-5000	T685	7	33		39	41		42	39		41	36	51	53	42	41	39	40	29	38	37	34	36	34	0	31	30		30	28		17	15		15		57
159	4/20	50 cal live	4000-5000	T685	17	45	49	57	52	54	54	51	47	49	47	59	58	58	52	50	49	44	50	47	47	47	45	35	40	40		37	36		29	18		22		66
207	5/5	50 cal live	5000-6000	T1146	10	33		45	44	45	49	51	52	51	48	37	44	37	18	40	40	37	44	42	40	43	41	33	36	34		32	32		21	22		15		59
267	6/4	50 cal live	2400-4000	T1203	6	51		49	51	47	56	61	67	69	69	69	66	62	62	59	58	56	53	50	46	46	45	32	41	41		38	37		32	23		23		76

Table D 7. Summary data for passive helicopter noise on Fort Stewart, GA, 2000. RCW **response 0 = no visible response, 1 = alert to cavity mouth, and 2 = flush from cavity.**

ter	Date	Nesting	Event	Event	RCW	Recovery	Remarks	Mic	File	Spec.	SEL (dB) at mic	
		Phase	Type	Dist.	Resp.	time		Pos.	#	#		
		& Day		(m)		(min)					Flat	A
2	08-May-00	N-1	Helo	201-300	0			Base	T877	30	89.8	66.9
2	08-May-00	N-1	Helo	201-300	0			Base	T878	30	89.8	74.7
2	08-May-00	N-1	Helo	201-300	0			Base	T879	30	87.2	73.2
2	08-May-00	N-1	Helo	301-400	0			Base	T1156	30	87.2	63.2
2	08-May-00	N-1	Helo	201-300	0			Base	T1157	30	90.1	66.0
2	08-May-00	N-1	Helo	201-300	0			Base	T1158	30	92.6	75.8
2	08-May-00	N-1	Helo	201-300	0			Base	T1159	30	88.4	75.5
8	11-May-00	N-6	Helo	30-50				Base	T973	9	114.5	101.5
8	19-May-00	N-14	Helo	30-50				Base	T44	30	101.2	89.9
23	06-Jun-00	I-6	Helo	101-200	0			Base	T589	30	96.2	84.2
23	06-Jun-00	I-6	Helo	51-100	0			Base	T591	30	99.6	84.6
48	13-Apr-00	Pre-nest	Helo	30-50				Base	T477	30	101.7	88.4
48	02-May-00	I-6	Helo	201-300	0			Base	T909	30	89.9	72.7
48	02-May-00	I-6	Helo	201-300	0			Base	T910	30	91.1	74.0
53	17-May-00	I-8	Helo	30-50	0			Base	T558	30	105.6	91.4
53	17-May-00	I-8	Helo	101-200	0			Base	T559	30	95.8	86.5
53	17-May-00	I-8	Helo	201-300	0			Base	T1084	30	90.6	74.4
53	17-May-00	I-8	Helo	101-200	0			Base	T1085	30	96.4	78.7
53	17-May-00	I-8	Helo	51-100	0			Base	T1086	30	98.6	79.1
53	17-May-00	I-8	Helo	201-300	0			Base	T1087	30	89.7	75.1
53	17-May-00	I-8	Helo	301-400	0			Base	T1088	30	83.8	69.4
53	17-May-00	I-8	Helo	201-300	0			Base	T1089	30	90.0	70.4
53	17-May-00	I-8	Helo	201-300	0			Base	T1090	30	90.9	75.9
53	17-May-00	I-8	Helo	101-200	0			Base	T1091	30	96.2	84.5
53	17-May-00	I-8	Helo	30-50	0			Base	T1092	30	103.3	90.7
53	17-May-00	I-8	Helo	201-300	0			Base	T1093	30	90.1	78.8
53	17-May-00	I-8	Helo	201-300	0			Base	T1094	30	90.9	83.7
53	17-May-00	I-8	Helo	201-300	0			Base	T1095	30	89.2	78.9
53	17-May-00	I-8	Helo	201-300	0			Base	T1096	30	89.1	79.5
53	17-May-00	I-8	Helo	301-400	0			Base	T1097	30	85.0	71.5
53	17-May-00	I-8	Helo	101-200	0			Base	T1099	30	94.5	83.8
53	17-May-00	I-8	Helo	101-200	0			Base	T1100	30	95.6	85.4
53	17-May-00	I-8	Helo	301-400	0			Base	T1101	30	84.1	64.0
53	17-May-00	I-8	Helo	201-300	0			Base	T1102	30	89.4	66.8

57	27-Apr-00	N-1	Helo	101-200	0			Base	T466	30	92.8	81.3
57	27-Apr-00	N-1	Helo	51-100	0			Base	T467	30	98.2	89.1
57	27-Apr-00	N-1	Helo	30-50	0			Base	T469	30	100.4	90.6
57	27-Apr-00	N-1	Helo	30-50	0			Base	T470	30	109.6	98.4
57	02-May-00	I-6	Helo	30-50	0			Base	T1974	30	108.2	92.1
57	02-May-00	I-6	Helo	51-100	0			Base	T1975	30	97.3	85.8
60	22-May-00	I-9	Helo	51-100	0			Base	T583	30	99.8	89.0
60	22-May-00	I-9	Helo	201-300	0			Base	T1250	30	89.0	67.8
60	22-May-00	I-9	Helo	51-100	0			Base	T1251	30	100.6	89.7
60	22-May-00	I-9	Helo	51-100	0			Base	T1252	30	97.8	87.1
71	24-May-00	N-16	Helo	201-300				Base	T1	30	90.1	63.5
71	24-May-00	N-16	Helo	30-50				Base	T3	30	102.2	83.3
71	24-May-00	N-16	Helo	101-200				Base	T4	30	96.0	69.8
71	24-May-00	N-16	Helo	51-100				Base	T5	30	99.3	77.7
71	24-May-00	N-16	Helo	30-50				Base	T7	30	101.8	83.6
71	24-May-00	N-16	Helo	30-50				Base	T8	30	102.1	84.1
71	24-May-00	N-16	Helo	30-50				Base	T11	30	101.9	82.5
71	24-May-00	N-16	Helo	101-200				Base	T12	30	95.2	69.2
71	24-May-00	N-16	Helo	101-200				Base	T13	30	96.7	77.3
71	24-May-00	N-16	Helo	51-100				Base	T14	30	99.9	76.7
71	24-May-00	N-16	Helo	30-50				Base	T15	30	101.5	83.9
71	24-May-00	N-16	Helo	51-100				Base	T16	30	98.7	76.5
71	24-May-00	N-16	Helo	51-100				Base	T17	30	98.7	75.0
71	24-May-00	N-16	Helo	51-100				Base	T18	30	98.7	80.1
71	24-May-00	N-16	Helo	101-200				Base	T19	30	96.6	70.4
73	04-May-00	I-9	Helo	51-100	0			Base	T26	30	89.3	75.4
83	15-May-00	N-15	Helo	201-300				Base	T1338	30	91.6	80.2
83	15-May-00	N-15	Helo	301-400				Base	T1339	30	85.8	74.4
83	16-May-00	N-16	Helo	201-300				Base	T63	30	84.4	72.9
121	30-May-00	N-12	Helo	301-400				Base	T1262	30	80.7	57.1
152	07-Jun-00	N-15	Helo	101-200				Base	T83	30	95.7	79.3
152	07-Jun-00	N-15	Helo	101-200				Base	T84	30	97.7	87.4
152	07-Jun-00	N-15	Helo	101-200				Base	T85	30	95.0	83.3
152	07-Jun-00	N-15	Helo	101-200				Base	T87	30	95.0	81.2
152	07-Jun-00	N-15	Helo	101-200				Base	T89	30	93.8	78.7
152	07-Jun-00	N-15	Helo	101-200				Base	T90	30	96.0	82.9
152	08-Jun-00	N-16	Helo	201-300				Base	T961	30	87.2	72.3
152	08-Jun-00	N-16	Helo	301-400				Base	T965	30	84.2	64.9
152	08-Jun-00	N-16	Helo	301-400				Base	T966	30	83.9	71.1
152	08-Jun-00	N-16	Helo	301-400				Base	T967	30	85.5	64.7
152	08-Jun-00	N-16	Helo	301-400				Base	T968	30	85.7	69.3
152	08-Jun-00	N-16	Helo	400-500				Base	T969	30	76.3	60.2

152	08-Jun-00	N-16	Helo	301-400				Base	T970	30	84.8	70.7
152	08-Jun-00	N-16	Helo	301-400				Base	T971	30	84.2	71.1
163	24-May-00	N-15	Helo	101-200				Base	T513	30	95.4	87.9
163	24-May-00	N-15	Helo	101-200				Base	T514	30	94.6	89.2
163	24-May-00	N-15	Helo	51-100				Base	T515	30	98.8	82.2
163	24-May-00	N-15	Helo	201-300				Base	T517	30	90.2	80.2
163	24-May-00	N-15	Helo	201-300				Base	T518	30	89.4	81.8
171	08-May-00	N-5	Helo	201-300	0			Base	T994	30	88.5	74.9
206	24-May-00	I-3	Helo	30-50	0			Base	T308	30	104.2	90.2
206	24-May-00	I-3	Helo	30-50	0			Base	T309	30	103.1	91.7
206	24-May-00	I-3	Helo	30-50	0			Base	T310	30	104.2	91.6
206	25-May-00	I-4	Helo	30-50	0			Base	T298	21	110.4	97.9
206	25-May-00	I-4	Helo	51-100	0			Base	T299	30	98.4	87.5
206	25-May-00	I-3	Helo	301-400	0			Base	T520	30	84.2	74.4
206	25-May-00	I-3	Helo	201-300	0			Base	T521	30	91.4	75.5
206	25-May-00	I-3	Helo	201-300	0			Base	T523	30	87.3	71.9
206	25-May-00	I-3	Helo	201-300	0			Base	T524	30	91.4	81.9
206	25-May-00	I-3	Helo	201-300	0			Base	T525	30	89.9	77.7
206	01-Jun-00	I-10	Helo	30-50	0			Base	T671	30	108.5	90.2
206	05-Jun-00	N-3	Helo	51-100	0			Base	T80	30	97.8	88.2
206	05-Jun-00	N-3	Helo	51-100	0			Base	T81	30	98.5	88.2
207	27-Apr-00	I-1	Helo	201-300	0			Base	T884	30	91.1	79.6
216	08-May-00	N-4	Helo	201-300	0			Base	T790	30	92.0	76.2
222	08-Jun-00	Post-fledg.	Helo	201-300				Base	T1895	30	92.2	83.5
222	08-Jun-00	Post-fledg.	Helo	101-200				Base	T1896	30	96.5	87.3
222	08-Jun-00	Post-fledg.	Helo	30-50				Base	T1897	30	105.0	93.4
222	08-Jun-00	Post-fledg.	Helo	30-50				Base	T1898	30	109.6	97.3

Table D 8. Representative unweighted spectra for passive helicopter flights on Fort Stewart, GA, 2000.

CL	Date	Event Type	Event Dist. (m)	File #	Spec. #	Band SEL (dB) at 1/3 Octave Spectrum Center Frequencies (Hz)																																						Calc. Overall SEL
						10	13	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	
2	5/8	Helo	201-300	T877	30	54	57	61	83	71	66	84	74	83	81	77	71	66	59	59	59	62	60	57	51	52	51	43	48	47		45	42		37	31		30	13	89.8
2	5/8	Helo	201-300	T878	30	55	64	70	86	71	73	83	71	80	76	74	68	74	77	73	71	68	70	68	64	64	60	59	55	52	37	46	44	16	37	31		30		89.8
2	5/8	Helo	201-300	T879	30	58	67	84	71	69	79	69	72	72	78	65	67	71	70	66	67	68	68	66	66	64	62	59	56	52	37	46	43		37	31		30		87.2
2	5/8	Helo	301-400	T1156	30	53	55	58	79	69	61	82	73	81	78	76	70	66	53	48	51	54	50	45	41	40	40	37	37	38	38	41	45	42	33	26		19		87.2
2	5/8	Helo	201-300	T1157	30	54	56	60	83	72	66	85	75	84	80	77	69	64	66	63	60	61	56	55	49	45	43	39	38	40	40	43	45	41	33	27	10	22	2	90.1
2	5/8	Helo	201-300	T1158	30	56	59	70	88	73	75	87	74	84	77	76	73	76	80	73	71	72	69	67	65	62	59	57	54	48	42	39	42	39	34	31	20	24	8	92.6
2	5/8	Helo	201-300	T1159	30	57	70	85	74	70	79	72	74	69	79	70	73	74	70	69	70	70	70	69	68	66	64	62	58	53	46	38	41	41	35	32	23	25	10	88.4
8	5/11	Helo	30-50	T973	9	98	108	94	99	109	100	102	103	103	100	97	96	98	98	98	94	93	94	92	93	90	88	88	87	85	85	85	84	87	93	84	82	76	53	114.5
8	5/19	Helo	30-50	T44	30	67	77	93	95	82	82	93	84	90	89	90	80	78	78	83	85	86	83	84	83	81	78	76	75	72	69	65	62	59	55	51	48	42	29	101.2
23	6/6	Helo	101-200	T589	30	55	67	92	89	69	85	85	80	77	85	78	72	75	69	73	77	81	81	77	76	74	72	71	68	66	62	58	53	46	45	39		34	23	96.2
23	6/6	Helo	51-100	T591	30	61	73	94	95	76	86	90	83	85	85	81	73	77	78	81	80	77	79	78	77	75	73	71	70	69	65	62	61	58	54	45	27	35	48	99.6
48	4/13	Helo	30-50	T477	30	59	65	84	98	85	83	95	90	90	85	86	82	83	81	77	76	80	82	83	82	79	78	76	72	70	69	64	60	58	56	44	40	36	37	101.7
48	5/2	Helo	201-300	T909	30	52	61	83	86	65	76	82	69	72	79	74	68	70	69	65	65	65	66	66	66	64	62	58	56	53	31	49	45		39	32		32	19	89.9
48	5/2	Helo	201-300	T910	30	54	60	83	87	66	76	84	72	76	80	76	69	74	69	66	66	65	66	67	68	66	64	60	56	54	36	48	46	44	43	41	44	34	16	91.1
53	5/17	Helo	30-50	T558	30	71	73	90	103	83	89	98	92	90	87	86	80	82	82	84	87	86	85	85	84	82	80	79	77	75	72	70	67	56	59	52		47	35	105.6
53	5/17	Helo	101-200	T559	30	68	71	84	90	80	80	87	86	82	78	80	78	80	71	75	80	82	83	82	77	77	74	71	70	68	55	63	61		53	48		43	30	95.8
53	5/17	Helo	201-300	T1084	30	65	64	69	89	71	64	81	76	75	69	69	69	70	64	62	67	68	70	70	68	63	61	60	55	51	49	48	50	51	39	36	26	25	11	90.6
53	5/17	Helo	101-200	T1085	30	62	63	77	95	74	68	85	81	80	72	73	70	72	68	65	69	72	74	74	73	69	67	64	60	57	52	47	48	51	39	37	31	29	15	96.4
53	5/17	Helo	51-100	T1086	30	63	63	81	98	75	73	87	78	77	75	73	73	74	67	68	71	72	75	74	73	71	67	63	60	56	52	48	48	50	39	37	30	29	16	98.6
53	5/17	Helo	201-300	T1087	30	63	60	73	88	66	67	81	78	66	62	67	71	72	64	63	66	68	70	70	69	67	64	60	56	52	48	45	47	50	37	35	22	25	5	89.7
53	5/17	Helo	301-400	T1088	30	56	59	68	80	63	65	77	74	64	63	68	70	67	61	60	64	64	65	64	62	59	56	53	49	46	45	47	49	52	38	32	21	22		83.8
53	5/17	Helo	201-300	T1089	30	65	61	73	89	67	66	81	78	67	61	62	70	67	61	60	62	63	65	65	64	62	59	55	51	48	46	43	47	51	37	34	24	26	8	90.0
53	5/17	Helo	201-300	T1090	30	63	61	73	89	68	67	81	80	67	65	68	75	73	68	67	66	69	71	70	70	68	65	60	56	52	49	47	48	51	44	42	39	31	11	90.9
53	5/17	Helo	101-200	T1091	30	62	61	71	94	78	70	88	82	80	74	76	78	82	73	71	75	77	78	78	77	75	73	75	70	67	68	64	56	55	49	41	36	33	28	96.2
53	5/17	Helo	30-50	T1092	30	71	71	88	101	82	87	95	90	88	86	85	80	82	82	84	86	84	84	85	83	81	80	78	76	75	73	70	67	64	61	57	53	49	45	103.3
53	5/17	Helo	201-300	T1093	30	63	62	73	87	67	75	82	79	67	66	70	76	73	66	65	68	71	73	74	74	71	68	64	61	56	51	46	43	43	36	35	27	27	14	90.1
53	5/17	Helo	201-300	T1094	30	61	64	72	88	68	67	81	76	68	65	70	73	76	71	68	74	77	79	80	78	75	71	67	64	59	54	47	43	44	37	36	33	30	21	90.9
53	5/17	Helo	201-300	T1095	30	63	66	72	88	68	66	77	69	71	66	68	68	69	63	63	68	70	72	73	74	71	68	66	63	59	54	48	44	45	37	35	29	28	14	89.2

53	5/17	Helo	201-300	T1096	30	62	66	72	87	69	67	78	76	70	66	71	69	70	64	64	70	72	73	74	73	72	69	66	62	59	54	48	48	48	37	35	28	27	16	89.1
53	5/17	Helo	301-400	T1097	30	57	65	80	81	68	68	74	68	64	66	65	67	64	61	61	62	65	66	67	65	63	61	58	53	50	45	42	48	48	35	30	14	22		85.0
53	5/17	Helo	101-200	T1099	30	58	58	65	89	82	65	87	86	83	77	77	72	80	70	73	78	79	81	78	75	74	70	69	65	63	60	56	52	48	39	35	32	29	24	94.5
53	5/17	Helo	101-200	T1100	30	59	62	87	91	68	82	87	85	76	75	79	75	77	74	77	81	83	82	77	78	75	73	70	68	66	63	59	54	50	42	37	34	32	28	95.6
53	5/17	Helo	301-400	T1101	30	56	57	64	83	68	60	75	71	62	57	60	57	60	54	52	56	58	60	60	57	53	50	47	43	41	45	46	48	41	35	30	14	20		84.1
53	5/17	Helo	201-300	T1102	30	60	59	79	88	72	75	81	72	68	63	64	61	62	59	57	60	61	62	62	60	56	55	52	48	44	43	45	47	41	38	29	14	22		89.4
57	4/27	Helo	101-200	T466	30	58	72	66	74	86	84	72	78	83	81	79	79	84	78	80	78	75	75	73	71	70	68	67	66	63	60	56	51	43	41	37	21	30	15	92.8
57	4/27	Helo	51-100	T467	30	56	64	61	74	91	92	73	85	89	87	85	78	84	82	83	80	81	80	82	81	80	79	78	77	75	72	71	66	64	62	59	60	53	32	98.2
57	4/27	Helo	30-50	T469	30	63	76	71	78	94	91	80	86	90	83	90	90	91	88	86	85	84	83	81	81	80	79	78	78	76	74	72	70	69	69	69	69	62	37	100.4
57	4/27	Helo	30-50	T470	30	70	80	101	104	84	95	99	90	96	93	93	93	98	100	98	95	93	90	89	87	86	86	84	83	83	80	78	77	78	76	72	65	55	50	109.6
57	5/2	Helo	30-50	T1974	30	100	103	84	94	100	93	101	96	93	90	89	88	85	85	85	84	82	83	81	80	79	78	78	79	76	76	78	78	82	86	79	77	72	54	108.2
57	5/2	Helo	51-100	T1975	30	57	65	62	73	94	87	73	88	83	88	80	76	79	73	78	80	79	77	77	78	76	75	75	74	72	69	68	65	63	61	59	57	46	22	97.3
60	5/22	Helo	51-100	T583	30	61	64	83	95	77	78	94	88	88	86	88	83	85	81	80	78	81	82	83	83	81	78	76	74	73	71	66	62	55	51	45	30	38	23	99.8
60	5/22	Helo	201-300	T1250	30	57	57	62	88	73	60	81	74	73	66	66	62	70	65	60	60	62	61	61	61	58	57	55	51	48	44	42	42	44	42	40	36	30	9	89.0
60	5/22	Helo	51-100	T1251	30	58	62	73	96	81	74	94	89	90	86	86	82	86	80	77	81	84	86	85	82	78	78	76	74	72	70	66	62	56	51	45	42	39	36	100.6
60	5/22	Helo	51-100	T1252	30	58	63	86	94	71	80	90	85	80	81	84	82	83	76	75	77	79	81	82	81	79	76	73	71	70	67	63	59	52	46	40	37	34	29	97.8
71	5/24	Helo	201-300	T1	30	76	86	70	69	84	75	84	75	73	66	63	63	62	61	60	57	54	54	52	50	47	45	42	47	51	48	50	55	51	50	49	49	47	22	90.1
71	5/24	Helo	30-50	T3	30	93	93	77	89	95	90	93	92	91	88	84	84	88	87	84	77	77	74	74	70	69	67	66	64	61	60	56	52	47	43	41	41	37	33	102.2
71	5/24	Helo	101-200	T4	30	84	90	74	83	91	81	86	84	82	80	78	76	69	67	65	64	66	64	61	57	55	53	51	49	46	43	41	36	26	33	28	17	23	3	96.0
71	5/24	Helo	51-100	T5	30	86	93	76	86	95	84	90	85	85	86	85	82	77	73	76	77	75	71	66	65	61	59	57	55	51	48	44	40	35	35	33	28	28	19	99.3
71	5/24	Helo	30-50	T7	30	90	92	80	89	96	89	94	92	89	88	84	81	85	86	86	81	76	76	74	72	70	67	66	64	60	57	53	48	44	42	40	40	38	34	101.8
71	5/24	Helo	30-50	T8	30	89	95	82	90	98	86	91	88	87	86	85	82	79	83	85	85	81	76	75	72	69	66	64	61	58	56	52	47	45	44	40	39	36	31	102.1
71	5/24	Helo	30-50	T11	30	87	95	79	88	97	88	94	90	89	87	84	83	79	78	81	81	80	79	74	71	67	64	62	59	56	53	49	44	41	38	37	36	34	28	101.9
71	5/24	Helo	101-200	T12	30	83	89	74	84	88	81	87	86	83	80	77	73	71	69	66	64	64	62	60	57	54	52	49	47	45	38	40	48	35	38	34	24	24	10	95.2
71	5/24	Helo	101-200	T13	30	83	89	73	83	92	84	87	84	84	83	81	78	75	72	75	77	76	72	68	63	61	57	55	52	49	45	41	45	38	36	35	27	28	20	96.7
71	5/24	Helo	51-100	T14	30	88	92	80	88	95	88	91	89	87	86	84	78	72	75	77	74	73	67	66	65	62	60	59	58	54	53	51	50	50	51	52	53	51	27	99.9
71	5/24	Helo	30-50	T15	30	91	94	76	89	96	87	90	90	89	89	87	82	79	84	86	84	80	76	75	71	68	66	64	61	58	55	51	46	42	39	38	37	34	29	101.5
71	5/24	Helo	51-100	T16	30	87	92	76	86	92	87	89	89	87	85	83	77	72	75	76	75	71	68	67	65	63	61	61	59	56	54	53	53	53	54	55	56	53	28	98.7
71	5/24	Helo	51-100	T17	30	84	92	77	85	93	84	90	88	87	85	82	77	74	73	73	72	72	68	64	63	60	59	57	55	51	48	44	43	39	38	34	27	27	15	98.7

71	5/24	Helo	51-100	T18	30	87	91	79	87	92	87	89	88	87	86	84	81	76	76	80	79	78	75	71	69	67	63	61	58	55	51	47	42	38	36	35	32	31	26	98.7
71	5/24	Helo	101-200	T19	30	84	91	75	85	91	83	87	85	83	82	79	77	70	67	65	66	66	64	61	58	56	54	52	50	47	43	41	43	40	35	33	22	24	7	96.6
73	5/4	Helo	51-100	T26	30	62	65	81	78	63	72	81	71	77	83	81	69	73	70	68	66	66	67	68	69	68	65	61	57	52	46	39	38	33	34	33	24	26	12	89.3
83	5/15	Helo	201-300	T1338	30	58	63	60	65	87	84	67	79	78	81	75	75	79	74	72	71	70	72	73	73	72	71	68	65	62	57	52	44	39	35	34	28	29	18	91.6
83	5/15	Helo	301-400	T1339	30	64	66	63	65	81	78	66	72	72	76	70	70	73	69	66	65	65	66	67	67	67	65	63	59	55	50	45	40	33	33	30	19	24	10	85.8
83	5/16	Helo	201-300	T63	30	60	63	79	76	62	72	72	68	68	76	68	65	68	66	67	65	66	67	67	67	64	62	58	54	53	42	44	42	32	35	32	31	30	11	84.4
121	5/30	Helo	301-400	T1262	30	48	52	69	80	59	59	66	57	65	64	58	52	56	52	48	49	49	50	51	50	48	46	41	38	37	27	43	38	27	29	23	17	18		80.7
152	6/7	Helo	101-200	T83	30	73	73	71	87	89	69	86	90	86	78	79	74	84	76	69	69	71	74	76	72	68	64	59	55	52	46	48	51	55	54	42	27	31		95.7
152	6/7	Helo	101-200	T84	30	73	71	74	89	82	73	88	91	84	81	87	80	88	82	75	79	81	83	83	80	77	74	70	65	62	58	51	50	42	45	41	22	34	17	97.7
152	6/7	Helo	101-200	T85	30	74	73	89	88	72	82	84	84	78	79	86	79	79	77	73	74	77	78	79	77	74	71	67	63	61	58	50	50	35	43	38	13	31	17	95.0
152	6/7	Helo	101-200	T87	30	62	64	86	89	71	79	89	79	84	86	81	76	79	76	72	73	73	76	76	76	72	68	65	61	56	49	48	46	30	41	36		31		95.0
152	6/7	Helo	101-200	T89	30	64	65	83	89	74	75	85	86	80	77	77	77	81	78	72	71	71	72	73	72	70	67	63	57	59	60	50	46	17	40	34		31		93.8
152	6/7	Helo	101-200	T90	30	63	67	90	87	69	83	88	81	81	88	79	76	84	80	75	77	76	77	78	76	74	70	67	62	57	50	49	48	40	44	38	13	31		96.0
152	6/8	Helo	201-300	T961	30	56	60	70	83	68	67	81	80	75	71	70	69	71	70	63	63	65	66	67	67	63	60	57	51	48	43	40	40	27	34	28		23	10	87.2
152	6/8	Helo	301-400	T965	30	55	59	60	74	76	63	74	80	75	69	73	67	66	60	57	57	58	59	58	58	55	51	48	44	41	31	37	34	19	30	24		21	2	84.2
152	6/8	Helo	301-400	T966	30	57	63	68	77	67	67	77	74	71	69	72	69	75	70	63	64	64	65	65	64	61	58	54	49	46	40	39	37	23	32	26		22	2	83.9
152	6/8	Helo	301-400	T967	30	57	64	73	82	68	66	79	66	74	72	74	66	65	63	56	56	57	57	58	56	54	51	47	47	47	45	38	35	21	30	24		22		85.5
152	6/8	Helo	301-400	T968	30	60	66	81	79	67	69	72	71	71	79	68	63	70	66	62	63	62	63	63	63	60	57	53	47	45	41	41	38	27	32	26		21		85.7
152	6/8	Helo	400-500	T969	30	50	70	61	58	70	63	70	66	63	60	58	57	59	58	54	53	52	53	54	54	52	49	45	43	41	18	38	39	29	37	39	13	21		76.3
152	6/8	Helo	301-400	T970	30	54	60	74	78	73	71	74	72	71	78	68	66	72	67	63	63	63	65	66	64	61	57	54	49	47	41	38	36	23	35	28		22	8	84.8
152	6/8	Helo	301-400	T971	30	51	59	80	67	68	71	63	69	70	79	67	65	70	66	65	64	65	67	66	64	61	57	53	49	45	38	38	36	21	35	28		22	8	84.2
163	5/24	Helo	101-200	T513	30	60	62	74	91	68	70	86	85	77	74	80	81	80	77	78	78	78	82	82	82	79	77	76	73	72	69	65	60	53	49	44	33	37	24	95.4
163	5/24	Helo	101-200	T514	30	60	61	72	89	67	69	85	84	77	73	78	80	79	77	77	78	79	83	85	84	80	78	76	74	72	69	64	59	52	49	44	31	38	26	94.6
163	5/24	Helo	51-100	T515	30	68	70	86	96	78	82	92	86	83	81	82	78	79	75	71	73	75	78	77	75	71	70	69	66	64	61	57	53	44	44	39	36	33	48	98.8
163	5/24	Helo	201-300	T517	30	54	57	57	60	86	74	61	83	72	82	73	70	77	68	71	69	70	71	72	72	73	72	70	67	64	59	56	51	41	44	37		33	17	90.2
163	5/24	Helo	201-300	T518	30	59	60	60	61	85	71	61	78	67	83	69	66	75	68	72	70	72	74	75	76	74	72	71	68	65	61	57	53	43	45	36		33	25	89.4
171	5/8	Helo	201-300	T994	30	56	60	79	85	68	72	82	71	76	76	73	63	66	61	63	66	68	69	70	69	67	64	60	55	51	47	44	40	37	41	35	32	27	13	88.5
206	5/24	Helo	30-50	T308	30	69	71	87	102	88	86	96	89	91	87	88	83	84	77	78	84	85	85	82	84	79	79	78	75	74	72	69	67	63	59	56	51	45	55	104.2
206	5/24	Helo	30-50	T309	30	64	74	97	98	78	91	93	86	89	93	89	80	81	78	77	80	83	87	86	83	83	81	79	78	76	74	71	69	67	65	62	56	48	44	103.1
206	5/24	Helo	30-50	T310	30	71	80	99	99	85	92	95	86	90	90	90	78	82	82	83	84	84	83	80	83	81	81	81	80	79	77	76	76	75	75	74	70	62	54	104.2
206	5/25	Helo	30-50	T298	21	74	77	96	108	97	94	101	97	95	92	89	89	94	95	91	91	92	91	91	89	88	87	86	84	84	82	79	77	75	73	72	72	68	59	110.4
206	5/25	Helo	51-100	T299	30	64	68	85	91	73	80	88	81	85	94	88	77	81	80	81	78	79	80	82	82	79	76	74	71	72	68	64	60	56	50	45	35	37	42	98.4

206	5/25	Helo	301-400	T520	30	55	56	57	60	74	64	65	68	70	82	69	63	70	62	67	68	64	67	68	68	67	65	61	57	54	40	47	44	20	38	31		28	12	84.2
206	5/25	Helo	201-300	T521	30	55	58	58	65	88	79	64	84	80	81	75	72	76	69	71	68	64	64	67	69	68	65	63	62	60	57	54	49	37	41	33		29		91.4
206	5/25	Helo	201-300	T523	30	54	54	56	61	83	79	63	78	75	79	71	72	72	67	67	64	60	61	64	65	64	62	60	58	56	51	49	45	28	38	30		28	12	87.3
206	5/25	Helo	201-300	T524	30	54	56	57	65	87	83	66	79	80	83	77	71	75	69	73	68	70	76	76	77	73	72	69	67	64	61	61	55	51	49	43	32	32	17	91.4
206	5/25	Helo	201-300	T525	30	51	55	55	61	87	79	63	82	73	78	72	71	76	70	73	69	68	69	71	72	69	66	66	64	62	58	57	52	40	42	34		30	17	89.9
206	6/1	Helo	30-50	T671	30	91	101	87	97	101	96	99	99	98	97	93	92	90	88	84	86	85	84	83	80	79	76	76	75	72	71	69	66	66	65	53	46	42	45	108.5
206	6/5	Helo	51-100	T80	30	61	69	64	70	93	91	79	82	86	85	84	79	76	82	84	84	83	80	82	80	79	77	75	74	73	70	67	65	62	60	57	55	45	25	97.8
206	6/5	Helo	51-100	T81	30	58	63	62	71	94	93	74	85	87	87	84	80	79	80	81	83	83	81	79	81	79	77	76	75	73	71	68	65	63	60	58	55	46	26	98.5
207	4/27	Helo	201-300	T884	30	58	62	80	84	66	74	82	74	78	86	79	71	72	70	69	70	71	73	74	74	72	69	66	61	58	48	50	48	36	41	38	30	31		91.1
216	5/8	Helo	201-300	T790	30	56	67	78	86	71	75	87	75	84	79	76	69	76	77	73	74	70	70	69	68	65	63	60	57	53	42	45	43	25	37	33		29		92.0
222	6/8	Helo	201-300	T1895	30	60	87	78	65	81	77	82	75	77	77	78	71	75	78	82	78	75	76	76	76	73	73	72	70	67	64	63	63	55	52	48	39	36		92.2
222	6/8	Helo	101-200	T1896	30	62	92	79	64	86	75	84	80	78	82	76	80	87	85	84	79	81	79	81	78	77	76	76	73	70	69	68	69	63	61	56	46	39	22	96.5
222	6/8	Helo	30-50	T1897	30	59	84	75	61	72	72	80	76	75	81	84	84	100	103	84	76	71	68	70	77	60	58	61	61	63	56	55	54	48	47	45	36	37	22	105.0
222	6/8	Helo	30-50	T1898	30	61	86	74	63	76	69	85	80	78	90	85	91	108	104	88	81	78	85	78	81	71	69	66	65	66	61	59	60	55	52	51	43	42	33	109.6

Table D 9. Summary data for passive large-caliber live fire events on Fort Stewart, GA, 2000. RCW response 0 = no visible response, 1 = alert to cavity mouth, and 2 = flush from cavity.

Cluster	Date	Nesting Phase & Day	Event Type	Event Dist. (m)	RCW Resp.	Recovery time (min)	Remarks	Mic Pos.	File #	Spec. #	SEL (dB) at mic Flat	A
13	12-May-00	I-7	Blast	12000	0			Base	T708	3	59.4	40.1
13	12-May-00	I-7	Blast	12000	0			Base	T708	14	55.4	54.4
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1111	4	85.9	52.8
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1111	13	87.4	58.4
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1113	4	85.7	55.6
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1114	3	87.3	60.9
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1115	3	82.9	53.9
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1115	15	83.0	49.2
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1115	23	80.7	49.5
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1116	4	90.4	56.4
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1117	2	84.2	58.7
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1117	5	86.9	54.7
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1118	5	82.0	50.8
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1119	1	75.4	52.2
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1119	3	80.7	52.0
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1120	3	82.2	57.0
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1120	7	85.6	52.9
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1121	7	85.5	53.6
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1122	6	85.5	55.4
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1123	1	77.8	56.9
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1123	3	78.1	47.6
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1124	2	80.7	51.2
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1125	5	81.2	52.7
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1126	4	82.8	52.8
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1127	3	82.0	50.1
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1127	22	81.5	50.8
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1127	24	81.0	53.7
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1128	4	84.0	56.9
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1128	11	72.8	52.4
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1128	14	82.7	54.7
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1129	6	77.8	50.3
23	02-Jun-00	I-3	Artillery blast	1000	0			Base	T1129	27	78.6	49.6
23	06-Jun-00	I-7	Artillery blast	6000-8000	0			Base	T586	2	71.6	50.0
23	06-Jun-00	I-7	Artillery blast	6000-8000	0			Base	T586	9	74.7	50.9
23	06-Jun-00	I-7	Artillery blast	6000-8000	0			Base	T586	13	72.2	49.7
23	06-Jun-00	I-7	Artillery blast	6000-8000	0			Base	T588	4	84.3	54.5

23	06-Jun-00	I-7	Artillery blast	6000-8000	0			Base	T588	16	82.8	55.3
39	23-May-00	Not-nesting	Mark-19	3000				Base	T1353	2	68.8	54.8
39	23-May-00	Not-nesting	Mark-19	3000				Base	T1353	27	71.9	55.9
39	23-May-00	Not-nesting	Mark-19	3000				Base	T1358	2	73.9	53.1
39	23-May-00	Not-nesting	Mark-19	3000				Base	T1359	2	76.5	53.2
39	23-May-00	Not-nesting	Mark-19	3000				Base	T1360	2	75.4	54.7
39	23-May-00	Not-nesting	Mark-19	3000				Base	T1361	3	74.3	52.7
39	27-May-00	Not-nesting	Tank blast	3000-6600				Base	T1259	6	86.3	56.3
39	28-May-00	Nestling	Tank blast	1600-6600	0			Base	T296	5	86.6	54.5
39	28-May-00	Nestling	Tank blast	1600-6600	0			Base	T297	4	85.9	55.1
39	16-Jun-00	Nestling	Artillery Impact	1600-2000	0			Base	T501	4	92.2	63.7
39	16-Jun-00	Nestling	Artillery Impact	1600-2000	0			Base	T501	6	80.8	54.0
39	16-Jun-00	Nestling	Artillery Impact	1600-2000	0			Base	T502	2	85.0	59.5
39	16-Jun-00	Nestling	Artillery Impact	1600-2000	0			Base	T503	3	79.7	56.9
39	16-Jun-00	Nestling	Artillery Impact	1600-2000	0			Base	T503	11	100.1	67.3
39	16-Jun-00	Nestling	Artillery Impact	1600-2000	0			Base	T503	16	83.7	65.9
39	16-Jun-00	Nestling	Artillery Impact	1600-2000	0			Base	T503	21	81.7	56.6
39	16-Jun-00	Nestling	Artillery Impact	1600-2000	0			Base	T503	29	110.2	90.9
41	02-Jun-00	I-3	Tank blast	4700-6000	0			Base	T1180	3	72.0	42.6
47	10-Apr-00	Pre-nesting	Tank blast	2500-6600				Base	T841	2	93.7	71.9
47	10-Apr-00	Pre-nesting	Tank blast	2500-6600				Base	T841	15	93.3	72.6
47	10-Apr-00	Pre-nesting	Tank blast	2500-6600				Base	T841	26	94.6	72.6
47	10-Apr-00	Pre-nesting	Tank blast	2500-6600				Base	T842	2	91.4	64.8
47	10-Apr-00	Pre-nesting	Tank blast	2500-6600				Base	T842	13	91.8	65.8
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T480	6	89.8	60.0
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T481	3	89.6	59.3
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T482	5	85.8	57.6
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T482	9	85.9	58.0
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T482	12	86.0	56.9
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T482	27	91.1	60.7
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T483	2	68.0	50.5
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T483	5	64.7	47.2
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T483	7	64.0	47.4
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T483	10	69.6	54.9
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T484	3	92.5	64.4
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T484	13	86.7	60.7
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T484	16	86.6	59.1
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T484	23	87.3	60.6
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T484	27	90.8	61.5

48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T485	5	92.6	64.4
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T485	13	86.6	58.2
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T485	20	89.5	62.3
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T485	25	86.5	60.2
48	13-Apr-00	Pre-nesting	Tank blast	4000-5200				Base	T486	9	80.2	60.4
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1064	3	85.3	58.8
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1064	7	85.6	66.6
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1065	3	88.0	56.9
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1065	7	88.0	58.0
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1065	11	85.7	66.3
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1066	2	85.3	59.8
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1066	23	89.9	67.4
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1067	3	88.4	69.2
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1067	17	85.2	60.8
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1067	24	89.0	68.7
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1068	2	88.2	58.5
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1068	16	86.3	59.2
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1069	3	88.0	58.7
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1069	17	85.7	59.1
48	04-May-00	I-8	Tank blast	4000-5200	0			Base	T1070	26	63.5	51.4
57	19-Apr-00	I-3	Artillery blast	6000-8000	0			Base	T579	3	73.7	43.9
57	19-Apr-00	I-3	Artillery blast	6000-8000	0			Base	T579	21	73.6	44.5
81	01-Jun-00	I-5	Tank blast	4500-6000	0			Base	T1264	4	78.7	43.1
81	01-Jun-00	I-5	Tank blast	4500-6000	0			Base	T1265	3	77.8	43.0
81	01-Jun-00	I-5	Tank blast	4500-6000	0			Base	T1266	4	80.4	43.4
81	01-Jun-00	I-5	Tank blast	4500-6000	0			Base	T1267	3	77.2	41.3
81	01-Jun-00	I-5	Tank blast	4500-6000	0			Base	T1268	5	80.0	41.1
81	02-Jun-00	I-6	Tank blast	4500-6000	0			Base	T1178	3	68.5	44.7
82	24-May-00	I-3	Simulator	100	0			Base	T541	3	77.8	63.4
83	16-May-00	N-16	Tank blast	6800-7400	0			Base	T48	3	87.2	59.0
83	16-May-00	N-16	Tank blast	6800-7400	0			Base	T66	9	66.4	49.2
83	16-May-00	N-16	Tank blast	6800-7400	0			Base	T68	3	69.0	47.4
83	16-May-00	N-16	Tank blast	6800-7400	0			Base	T68	6	71.0	54.5
83	16-May-00	N-16	Tank blast	6800-7400	0			Base	T68	9	71.1	55.6
83	16-Jun-00	Post-fledgling	Artillery blast	0				Base	T1187	13	87.2	72.6
83	16-Jun-00	Post-fledgling	Artillery blast	0				Base	T1187	19	89.4	77.6
83	16-Jun-00	Post-fledgling	Artillery blast	0				Base	T1187	28	93.4	72.4
83	16-Jun-00	Post-fledgling	Artillery blast	0				Base	T1187	30	87.6	62.4
83	16-Jun-00	Post-fledgling	Artillery blast	0				Base	T1188	2	93.5	72.2
83	16-Jun-00	Post-fledgling	Artillery blast	0				Base	T1188	5	89.1	63.0

83	16-Jun-00	Post-fledgling	Artillery blast	0				Cav	T1192	20	98.2	82.2
83	16-Jun-00	Post-fledgling	Artillery blast	0				Cav	T1192	25	91.5	75.7
83	16-Jun-00	Post-fledgling	Artillery blast	0				Cav	T1192	28	98.1	81.8
83	16-Jun-00	Post-fledgling	Artillery blast	0				Cav	T1192	30	90.4	72.8
83	16-Jun-00	Post-fledgling	Artillery blast	0				Cav	T1193	2	98.1	81.8
83	16-Jun-00	Post-fledgling	Artillery blast	0				Cav	T1193	5	91.2	72.8
84	04-May-00	N-4	20 mm	2000	0			Base	T306	7	69.2	55.2
84	04-May-00	N-4	20 mm	2000	0			Base	T306	12	69.8	58.6
84	04-May-00	N-4	20 mm	2000	0			Base	T307	2	70.2	56.4
84	04-May-00	N-4	20 mm	2000	0			Base	T307	5	68.7	55.0
84	04-May-00	N-4	20 mm	2000	0			Base	T307	9	69.8	56.5
84	04-May-00	N-4	20 mm	2000	0			Base	T307	14	69.8	54.3
99	28-May-00	N-22	Artillery Impact	2000				Base	T505	2	81.8	54.1
99	28-May-00	N-22	Tank blast	4400-8600				Base	T506	6	84.6	56.4
99	23-May-00	N-17	Mark-19	2500				Base	T1363	3	62.1	50.0
99	23-May-00	N-17	Mark-19	2500				Base	T1366	3	75.0	56.4
99	23-May-00	N-17	Mark-19	2500				Base	T1367	2	79.7	56.4
107	09-Jun-00	Post-fledgling	Artillery blast	2000				Base	T1913	3	92.1	62.5
107	09-Jun-00	Post-fledgling	Artillery blast	2000				Cav	T1914	3	91.9	69.2
121	30-May-00	N-12	Artillery blast	4000				Base	T1261	5	78.4	49.1
159	10-Apr-00	Pre-nesting	Tank blast	2600-6400				Base	T848	3	98.1	82.9
159	10-Apr-00	Pre-nesting	Tank blast	2600-6400				Base	T848	7	89.3	67.5
159	10-Apr-00	Pre-nesting	Tank blast	2600-6400				Base	T848	11	98.9	80.6
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T681	3	92.0	54.2
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T681	17	92.7	54.3
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T682	3	92.3	54.4
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T683	2	93.6	64.1
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T684	3	94.1	63.0
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T686	3	94.7	70.4
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T687	4	95.2	67.6
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T688	2	96.1	68.4
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T689	3	96.4	68.5
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T690	2	96.3	70.1
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T691	2	96.5	67.4
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T692	3	93.2	56.0
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T693	3	90.7	55.9
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T694	2	89.8	53.4
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T694	14	90.1	53.4
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T695	2	88.7	54.1

159	20-Apr-00	I-1	Tank blast	2600	0			Base	T696	2	87.4	49.8
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T697	2	87.9	53.3
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T698	3	91.0	55.0
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T699	3	89.4	54.9
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T699	13	89.8	54.6
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T700	2	89.1	54.1
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T701	3	85.1	50.6
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T701	24	84.6	49.9
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T702	3	88.6	53.2
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T703	2	88.0	50.0
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T703	25	87.5	50.5
159	20-Apr-00	I-1	Tank blast	2600	0			Base	T704	2	92.0	57.8
162	20-Apr-00	I-2	Impact	4000-5000	0			Base	T1105	5	74.3	40.4
172	28-Apr-00	I-5	C-4	100	0			Base	T493	4	97.8	92.4
172	28-Apr-00	I-5	C-4	100	0			Base	T494	3	98.5	94.4
183	28-Apr-00	N-0	C-4 blast from cluster 172	1600	0			Base	T952	3	72.9	54.3
183	28-Apr-00	N-0	C-4 blast from cluster 172	1600	0			Base	T953	3	74.5	53.7
206	30-May-00	I-8	Artillery blast	2500-3500	0			Base	T1176	4	80.7	53.2
206	30-May-00	I-8	Artillery blast	2500-3500	0			Base	T1176	18	82.0	51.5
267	28-May-00	I-5	Tank blast	2400-4000	0			Base	T314	2	73.1	57.3
267	28-May-00	I-5	Tank blast	2400-4000	0			Base	T314	6	93.2	60.7
267	28-May-00	I-5	Tank blast	2400-4000	0			Base	T315	6	90.5	56.1
267	28-May-00	I-5	Tank blast	2400-4000	0			Base	T316	5	91.1	57.3
267	28-May-00	I-5	Tank blast	2400-4000	0			Base	T317	5	92.5	61.2
267	28-May-00	I-5	Tank blast	2400-4000	0			Base	T318	5	88.9	56.3
267	28-May-00	I-5	Tank blast	2400-4000	0			Base	T319	2	75.4	50.8
267	28-May-00	I-5	Tank blast	2400-4000	0			Base	T319	5	93.1	64.9
267	28-May-00	I-5	Tank blast	2400-4000	0			Base	T320	6	92.4	63.8
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T28	7	94.1	61.6
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T28	16	86.1	71.3
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T28	19	94.1	61.7
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T29	8	92.3	59.6
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T29	14	75.0	65.6
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T29	20	91.2	58.8
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T30	3	78.7	66.1
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T30	7	92.8	62.5
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T31	4	79.6	68.8
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T31	9	93.4	62.7
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T31	20	86.2	70.3
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T31	23	93.2	60.6

267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T32	7	94.7	61.7
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T33	3	86.5	69.4
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T33	6	93.0	57.5
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T34	4	74.0	62.5
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T34	9	91.4	58.7
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T34	19	88.7	60.4
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T35	8	93.3	57.9
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T36	3	86.5	66.8
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T36	6	96.8	62.0
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T36	17	96.3	58.6
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T37	7	91.9	57.1
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T38	4	85.1	68.1
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T38	7	92.9	60.2
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T39	6	91.3	65.3
267	30-May-00	I-7	Tank blast	2400-6000	0			Base	T40	4	92.5	60.0
267	31-May-00	I-8	Blast	2400-6000	0			Base	T761	8	90.4	64.7
267	31-May-00	I-8	Blast	2400-6000	0			Base	T761	18	89.6	64.2
267	31-May-00	I-8	Blast	2400-6000	0			Base	T762	8	91.6	62.4
267	31-May-00	I-8	Blast	2400-6000	0			Base	T763	4	86.6	60.9
267	31-May-00	I-8	Blast	2400-6000	0			Base	T763	17	88.1	60.5
267	31-May-00	I-8	Blast	2400-6000	0			Base	T764	6	89.1	64.2
267	31-May-00	I-8	Blast	2400-6000	0			Base	T765	6	92.0	61.3
267	31-May-00	I-8	Blast	2400-6000	0			Base	T766	7	90.5	61.2
267	31-May-00	I-8	Blast	2400-6000	0			Base	T767	2	82.3	68.0
267	31-May-00	I-8	Blast	2400-6000	0			Base	T767	6	89.9	61.5
267	31-May-00	I-8	Blast	2400-6000	0			Base	T768	3	90.5	63.6
267	31-May-00	I-8	Blast	2400-6000	0			Base	T768	18	90.4	64.6
267	31-May-00	I-8	Blast	2400-6000	0			Base	T769	5	92.1	62.9
267	31-May-00	I-8	Blast	2400-6000	0			Base	T770	5	89.8	60.9
267	31-May-00	I-8	Blast	2400-6000	0			Base	T771	5	89.8	61.5
267	31-May-00	I-8	Blast	2400-6000	0			Base	T772	7	91.1	64.4
267	31-May-00	I-8	Blast	2400-6000	0			Base	T773	7	89.8	63.8
267	31-May-00	I-8	Blast	2400-6000	0			Base	T774	7	95.4	68.0
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T849	5	91.1	63.5
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T850	5	91.2	63.1
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T851	3	92.5	63.2
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T852	7	93.7	64.4
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T853	5	92.0	59.5
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T854	3	92.4	64.2

267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T855	2	84.9	60.8
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T856	8	91.5	63.1
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T857	5	90.0	59.7
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T858	6	90.2	60.0
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T859	3	92.6	64.2
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T859	23	92.3	61.0
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T860	5	90.1	60.2
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T861	2	81.4	63.5
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T861	6	89.2	63.3
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T862	7	88.2	60.2
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T863	8	91.0	63.9
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T864	5	89.7	63.6
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T865	4	88.8	61.3
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T866	7	91.2	61.3
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T867	6	91.0	64.3
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T868	2	81.2	65.0
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T868	5	89.2	61.2
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T869	2	90.5	61.8
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T870	2	86.2	72.2
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T870	8	91.4	62.8
267	01-Jun-00	I-9	Tank blast	2400-6000	0			Base	T871	7	92.2	65.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T709	7	102.5	74.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T710	7	98.1	71.7
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T711	7	99.2	72.6
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T712	2	90.4	75.8
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T712	5	97.7	70.2
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T713	3	88.5	64.9
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T714	7	87.9	65.4
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T715	6	93.2	65.6
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T716	5	94.3	66.0
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T716	15	90.9	64.9
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T716	23	79.2	65.8
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T716	26	93.5	65.7
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T717	2	85.0	69.4
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T717	5	90.5	65.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T718	3	82.3	67.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T718	6	95.3	67.8
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T718	27	94.9	67.5
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T719	5	95.3	68.2
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T720	8	92.6	64.8

267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T721	6	93.2	62.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T722	3	84.4	68.2
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T722	8	93.5	65.0
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T723	4	91.8	64.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T724	8	93.9	67.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T725	5	93.3	67.0
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T726	7	89.6	64.4
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T726	18	89.9	63.6
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T727	6	89.9	63.8
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T728	3	81.7	65.0
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T728	6	91.1	64.9
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T728	12	82.5	65.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T728	15	90.9	63.9
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T729	3	76.7	65.2
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T729	6	94.8	64.7
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T730	2	93.8	65.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T730	21	94.5	66.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T731	7	95.7	65.5
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T732	5	91.7	64.6
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T732	8	93.0	65.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T732	25	91.4	64.8
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T733	5	94.3	64.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T734	4	93.7	63.4
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T734	25	88.4	71.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T734	28	94.0	66.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T735	5	92.4	61.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T736	6	92.5	64.2
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T737	3	83.1	70.9
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T737	9	92.4	63.2
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T738	7	94.8	65.9
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T739	6	90.4	63.8
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T740	3	94.0	65.6
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T741	2	93.9	64.8
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T742	9	94.3	66.4
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T743	8	93.7	66.6
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T744	3	89.8	64.5
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T744	10	93.4	66.4
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T744	16	86.7	72.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T744	20	95.4	67.7

267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T745	8	90.7	64.4
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T746	8	91.9	65.5
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T747	6	92.3	64.6
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T748	2	81.5	68.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T748	6	94.9	66.8
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T748	23	83.7	66.6
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T748	27	96.1	69.0
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T749	2	83.6	68.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T749	5	97.0	69.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T750	4	95.1	69.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T750	18	95.6	70.2
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T751	6	84.5	63.5
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T752	2	78.5	62.0
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T752	6	84.1	64.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T752	25	78.0	61.7
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T753	2	86.3	71.5
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T753	6	91.5	64.6
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T754	5	93.5	62.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T755	5	92.7	61.5
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T756	5	89.5	64.9
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T756	23	90.1	61.8
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T757	6	87.8	63.5
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T758	6	89.5	62.1
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T759	7	90.4	65.0
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T760	6	84.8	64.3
267	02-Jun-00	I-10	Blast	2400-6000	0			Base	T760	28	85.0	61.8
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1199	1	82.0	67.8
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1199	5	100.2	75.0
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1199	25	100.3	74.6
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1200	10	100.0	72.5
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1200	23	99.9	73.4
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1201	3	84.7	68.7
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1201	7	99.6	72.7
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1202	3	84.9	63.7
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1202	13	92.1	68.1
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1202	16	100.7	75.1
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1204	3	89.0	67.4
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1204	6	99.3	72.8
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1205	6	100.4	74.6
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1206	5	94.9	63.4

267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1207	7	100.9	75.7
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1208	5	94.7	62.3
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1209	6	94.7	61.4
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1210	5	94.4	60.7
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1211	6	94.3	61.9
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1212	5	94.1	61.3
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1213	8	100.8	72.8
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1214	5	100.0	71.7
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1214	14	83.1	63.0
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1214	17	100.1	71.4
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1215	6	99.4	75.5
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1215	26	97.7	70.1
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1216	4	99.0	69.6
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1217	8	98.4	69.1
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1218	6	96.7	67.6
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1219	5	95.3	66.2
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1219	16	95.2	70.4
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1220	7	92.8	61.3
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1221	5	92.7	58.9
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1221	19	93.0	59.2
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1222	8	93.3	60.6
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1223	7	90.5	58.7
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1224	8	91.4	60.0
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1225	2	82.0	66.2
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1225	6	91.0	57.7
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1225	22	91.6	55.0
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1226	3	84.7	71.2
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1226	9	93.3	62.1
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1227	9	92.5	61.0
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1228	2	91.4	57.9
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1229	2	87.0	71.6
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1229	5	91.8	61.8
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1229	14	83.7	69.0
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1229	17	92.4	61.9
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1230	5	94.3	59.8
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1230	13	93.9	60.3
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1231	7	91.5	54.9
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1231	23	94.0	60.8
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1232	7	92.0	58.2

267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1233	8	92.8	59.4
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1234	6	95.2	65.6
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1235	2	88.3	73.2
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1235	8	90.6	52.8
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1235	20	91.6	57.2
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1236	5	91.7	58.6
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1236	17	92.7	59.6
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1237	4	93.3	58.8
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1238	3	84.8	67.4
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1238	6	94.0	59.0
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1238	13	81.9	65.1
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1238	16	93.8	59.4
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1239	6	95.1	63.2
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1240	7	92.1	57.2
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1240	20	91.7	56.0
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1241	8	92.6	60.7
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1241	26	95.9	64.8
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1242	4	94.7	63.4
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1243	7	94.0	56.7
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1244	3	84.0	69.9
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1244	6	93.2	59.6
267	04-Jun-00	N-1	Tank blast	2400-4000	0			Base	T1245	4	93.2	60.7
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T782	7	72.7	53.2
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T782	17	73.9	53.5
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T783	3	70.5	57.8
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T783	6	72.7	53.0
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T783	18	69.9	57.8
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T783	21	72.5	53.2
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T784	7	74.7	54.2
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T784	28	74.7	54.0
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T785	7	74.9	54.4
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T786	6	76.0	55.1
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T786	19	65.9	53.2
267	07-Jun-00	N-4	Tank blast	2400-6000	0			Base	T786	22	75.8	55.8
267	08-Jun-00	N-5	Impact	1000-2000	0			Base	T76	4	79.7	54.3
267	08-Jun-00	N-5	Impact	1000-2000	0			Base	T77	4	83.3	54.1
267	08-Jun-00	N-5	Impact	1000-2000	0			Base	T77	7	81.2	50.1
267	08-Jun-00	N-5	Impact	1000-2000	0			Base	T77	15	82.2	55.6
267	08-Jun-00	N-5	Impact	1000-2000	0			Base	T77	18	82.9	54.3
267	08-Jun-00	N-5	Impact	1000-2000	0			Base	T78	4	79.6	53.2

267	08-Jun-00	N-5	Impact	1000-2000	0			Base	T78	18	85.7	57.5
267	16-Jun-00	N-13	Blast	2400-6000				Base	T775	1	82.9	62.5
267	16-Jun-00	N-13	Blast	2400-6000				Base	T775	5	91.4	66.6
267	16-Jun-00	N-13	Blast	2400-6000				Base	T775	7	85.5	60.9
267	16-Jun-00	N-13	Blast	2400-6000				Base	T776	4	96.2	72.8
267	16-Jun-00	N-13	Blast	2400-6000				Base	T776	8	96.6	71.5
267	16-Jun-00	N-13	Blast	2400-6000				Base	T777	2	97.7	73.6
267	16-Jun-00	N-13	Blast	2400-6000				Base	T778	2	87.2	65.6
267	16-Jun-00	N-13	Blast	2400-6000				Base	T779	2	89.1	66.4
267	16-Jun-00	N-13	20 mm	5500				Base	T780	8	82.2	64.5
267	16-Jun-00	N-13	20 mm	5500				Base	T780	12	83.9	65.9
267	16-Jun-00	N-13	Impact	6400				Base	T781	5	100.6	75.0

Table D 10. Representative unweighted noise spectra for passive large-caliber live fire events on Fort Stewart, GA, 2000.

CL	Date	Event Type	Event Dist. (m)	File #	Spec. #	Band SEL (dB) at 1/3 Octave Spectrum Center Frequencies (Hz)																																						Calc. Overall SEL
						10	13	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	
13	5/12	Blast	12000	T708	3	42	44	49	52	52	50	43	43	45	48	50	48	41	38	34	35	34	33	30	24	26	24	9	24	22		24	27	19	19	13		2		59
13	5/12	Blast	12000	T708	14	44	36	39	40	39	37	35	34	37	34	32	26	27	30	32	29	20	25	22	14	21	22	21	22	32	44	43	49	50	46	28	26	22	4	55
23	6/2	Art.	1000	T1111	4	80	81	78	73	77	72	73	68	64	64	64	61	58	53	46	42	34	40	40	35	37	37	29	32	33		31	26		22	17		17		86
23	6/2	Art.	1000	T1111	13	79	81	78	72	77	75	77	75	77	73	70	66	62	55	50	45	38	41	41	36	40	39	30	35	36	22	33	32		25	14		18		87
23	6/2	Art.	1000	T1113	4	79	78	72	76	77	72	75	76	71	70	68	63	60	52	44	42	33	35	36	34	34	34	30	33	38	37	31	26		20	14		17		86
23	6/2	Art.	1000	T1114	3	74	76	77	77	80	77	76	74	79	76	74	70	62	58	51	48	41	41	39	33	39	37	30	35	33	20	30	28	19	23	20	11	19		87
23	6/2	Art.	1000	T1115	3	72	73	76	69	73	76	71	71	72	64	65	64	58	51	45	42	36	38	38	34	37	36	27	32	33		30	24		23	17				83
23	6/2	Art.	1000	T1115	15	74	78	76	73	69	66	73	64	61	63	57	54	50	42	37	39	33	41	41	40	39	36		32	31		29	25		21	0				83
23	6/2	Art.	1000	T1115	23	72	72	76	69	63	70	71	66	66	62	58	59	54	47	42	39	25	36	37	31	34	33		29	30		26	27		20	20				81
23	6/2	Art.	1000	T1116	4	82	83	82	76	82	84	80	73	71	68	66	64	62	57	46	42	38	39	40	34	39	37	31	34	34	28	31	30	19	24	22	16	20		90
23	6/2	Art.	1000	T1117	2	39	47	61	67	68	70	80	78	73	73	74	67	56	52	43	38	32	37	36	30	35	35	32	31	32	25	30	29		20	17		14		84
23	6/2	Art.	1000	T1117	5	73	80	83	75	78	72	66	70	70	70	65	66	54	48	41	41	36	39	40	29	38	36	28	35	34	23	31	29		25	17		18		87
23	6/2	Art.	1000	T1118	5	67	75	73	77	76	68	66	62	64	63	63	58	55	46	41	40	33	40	39	33	39	38		34	34		30	29		21	22		17		82
23	6/2	Art.	1000	T1119	1	39	53	60	63	63	63	71	66	65	61	64	62	58	52	42	38	32	35	34	33	35	34	29	32	30	20	30	32		23	18		11		75
23	6/2	Art.	1000	T1119	3	72	70	69	67	76	71	69	67	67	62	64	61	58	50	44	40	33	37	37	35	35	34	18	29	31		30	29		22	14				81
23	6/2	Art.	1000	T1120	3	72	70	71	75	71	73	72	70	70	70	69	66	64	55	47	44	36	39	39	35	38	38	33	35	35	14	34	34		30	27		16		82
23	6/2	Art.	1000	T1120	7	79	82	78	68	70	71	69	70	66	66	66	62	55	49	40	39	32	39	38	30	37	36	26	33	33		35	35		28	25				86
23	6/2	Art.	1000	T1121	7	76	80	79	75	72	77	73	70	66	69	64	64	57	51	42	41	34	40	39	32	37	38	32	33	34	23	30	28		23	16		19		86
23	6/2	Art.	1000	T1122	6	79	80	76	73	71	73	76	73	68	68	70	63	59	49	43	41	36	40	39	35	37	37	27	33	33		30	28		26	16		22		85
23	6/2	Art.	1000	T1123	1	35	41	49	55	64	66	67	72	70	66	70	69	60	52	42	41	31	33	35	31	34	32	28	31	30	23	27	29		24	11				78
23	6/2	Art.	1000	T1123	3	70	70	64	70	71	69	68	64	65	59	57	53	52	45	40	39	34	37	36	26	36	33		30	30		28	26		23			19		78
23	6/2	Art.	1000	T1124	2	72	73	76	68	69	67	71	68	65	65	63	60	55	47	41	40	31	40	38	33	38	37	23	33	32		29	27		21	18		16	17	81
23	6/2	Art.	1000	T1125	5	72	74	70	71	71	70	74	71	65	65	65	62	56	48	41	39	32	39	39	33	38	39	25	34	34	11	31	29		23	16		18		81
23	6/2	Art.	1000	T1126	4	76	73	74	69	74	74	74	67	67	66	64	62	56	48	43	41	33	38	38	35	37	37	22	35	34		30	28		19	17				83
23	6/2	Art.	1000	T1127	3	75	77	75	70	72	64	65	67	66	65	61	59	52	47	41	40	34	37	36	30	35	33	16	33	31		26	24		22	16		16		82
23	6/2	Art.	1000	T1127	22	75	74	75	71	69	67	71	66	65	64	61	58	55	49	43	42	34	40	39	31	38	38	28	34	33		30	28		24	17				81
23	6/2	Art.	1000	T1127	24	68	66	65	73	72	69	74	70	70	71	65	62	56	49	42	39	34	38	35	33	35	36	25	30	31		26	23		19	11		11		81

23	6/2	Art.	1000	T1128	4	76	71	68	72	78	71	74	74	74	71	71	65	58	51	44	42	36	39	39	34	38	38	31	34	36	23	33	26		25	18		16		84
23	6/2	Art.	1000	T1128	11	48	49	60	59	54	54	60	62	67	66	64	64	54	46	41	41	32	40	39	34	38	37	26	32	32	22	28	28		23	20		11		73
23	6/2	Art.	1000	T1128	14	70	64	69	70	78	73	68	75	72	67	67	62	60	51	43	40	32	40	39	33	38	37	27	34	33	14	31	28		23	19		14		83
23	6/2	Art.	1000	T1129	6	70	68	67	70	65	62	69	67	62	67	60	56	52	45	41	40	33	40	38	32	37	38	25	33	32	11	31	28		20	16				78
23	6/2	Art.	1000	T1129	27	70	71	72	68	65	64	70	70	60	62	60	56	52	41	40	41	32	40	39	35	38	37	32	35	34		30	28		17	14		19		79
23	6/6	Art.	6000	T586	2	48	54	55	52	60	63	63	66	63	58	61	58	52	48	45	43	36	41	39	33	38	36		34	33		30	32		18					72
23	6/6·	Art.	6000	T586	9	51	56	61	61	64	69	69	65	62	58	58	57	52	47	46	45	35	44	42	35	41	40		35	37		35	33	29	27	20		15		75
23	6/6	Art.	6000	T586	13	52	56	54	56	63	63	67	63	64	58	54	53	46	46	45	42	31	43	42	36	40	40		36	35		33	32		23			22		72
23	6/6	Art.	6000	T588	4	76	78	78	74	72	70	71	72	69	68	65	62	58	52	47	45	37	44	43	37	42	41		36	36		35	31		24	21		21		84
23	6/6	Art.	6000	T588	16	75	73	74	69	73	72	74	73	70	68	63	63	58	54	49	46	41	45	44	39	42	42	31	39	39		36	34		28	24		24		83
39	5/23	Mark-19	3000	T1353	2	34		43	48	49	47	54	56	60	63	61	61	59	54	46	48	52	46	42	37	37	35	34	34	42	34	43	41		21	12				69
39	5/23	Mark-19	3000	T1353	27		38	46	47	47	48	53	56	61	64	66	66	63	56	46	44	49	45	44	39	38	37	30	34	31	27	31	28		20	15				72
39	5/23	Mark-19	3000	T1358	2	59	60	66	67	68	64	61	57	55	57	56	58	56	48	49	50	48	47	46	41	41	39	33	35	32		32	29		23	23		12		74
39	5/23	Mark-19	3000	T1359	2	57	62	67	71	71	68	60	60	62	62	56	54	56	50	49	49	48	48	45	42	42	39	31	34	33		34	30		25	18				77
39	5/23	Mark-19	3000	T1360	2	57	63	66	69	70	66	59	59	60	61	56	59	59	53	52	49	51	49	46	44	41	40	33	36	35	18	33	30		28	15		15		75
39	5/23	Mark-19	3000	T1361	3	57	63	65	68	68	64	58	62	61	62	61	51	52	50	51	48	47	47	46	41	40	37	28	35	33		34	30		31	21		18		74
39	5/27	Blast	3000	T1259	6	83	81	76	71	73	70	66	64	66	64	62	62	66	57	54	51	50	47	40	32	31	30	27	32	28	25	28	25	29	29	22	20	17		86
39	5/28	Blast	1600	T296	5	83	82	76	68	67	63	64	67	71	66	63	60	56	55	52	49	47	46	43	39	40	40	26	36	35		33	29		26	19	16	20	13	87
39	5/28	Blast	1600	T297	4	84	80	66	66	64	63	69	68	71	66	66	59	55	57	54	49	48	45	43	35	40	39	26	35	34	30	32	28		26	19		21		86
39	6/16	Art.	1600	T501	4	79	77	78	83	85	86	85	78	81	80	69	70	65	62	60	57	54	52	49	43	48	47	37	43	44		41	39		35	34				92
39	6/16	Art.	1600	T501	6	54	58	69	72	75	74	72	69	71	59	60	53	48	43	48	45	32	47	44	28	44	43		41	40		42	42		36	34		25		81
39	6/16	Art.	1600	T502	2	59	65	69	69	77	75	80	77	77	72	65	64	60	54	54	53	48	51	49	40	48	47	31	45	43		44	40		34	27				85
39	6/16	Art.	1600	T503	3	60	62	67	72	70	73	71	68	70	69	62	57	54	48	49	51	43	50	48	41	47	48	40	44	42		41	41		34	28		22		80
39	6/16	Art.	1600	T503	11	76	87	88	97	90	90	89	87	86	82	75	70	65	62	61	59	56	55	53	51	52	51	47	49	48	22	45	43		39	36		32		100
39	6/16	Art.	1600	T503	16	60	63	68	76	75	77	76	72	68	64	57	57	52	43	51	49	39	49	49	40	47	47	46	46	43		42	41		33	35		27	75	84
39	6/16	Art.	1600	T503	21	63	64	68	74	73	73	75	73	72	66	59	59	52	46	49	50	41	48	48	39	47	46	38	45	43		42	41		34	33		33		82
39	6/16	Art.	1600	T503	29	99	102	103	104	102	98	99	96	93	90	87	88	88	84	85	83	82	82	81	81	81	81	80	79	77	74	75	75	74	73	72	71	69	63	110
41	6/2	Blast	4700	T1180	3	64	65	65	61	58	58	58	62	59	55	50	49	41	40	42	39	35	32	29	25	27	25	15	24	24	15	20	20		17	11		8		72

47	4/10	Blast	2500	T841	2	76	85	86	87	86	83	80	79	82	78	77	75	73	71	68	67	68	68	66	62	58	52	47	43	40	37	37	35	32	33	32	28	32	25	94
47	4/10	Blast	2500	T841	15	73	83	89	86	83	79	77	80	79	78	77	75	72	71	69	68	67	69	67	65	59	53	49	44	41	37	37	36	33	33	32	28	32	25	93
47	4/10	Blast	2500	T841	26	78	82	88	90	86	82	78	81	82	77	76	75	73	71	70	67	68	68	67	64	59	54	50	47	44	41	38	36	33	34	32	29	32	26	95
47	4/10	Blast	2500	T842	2	82	82	82	82	79	87	77	78	76	76	75	69	66	64	60	60	59	59	56	52	45	39	36	40	48	45	36	33	29	32	30	22	31	19	91
47	4/10	Blast	2500	T842	13	83	84	77	83	83	83	81	81	78	77	72	69	69	64	60	61	62	61	59	54	48	41	37	36	36	34	34	34	32	33	31	23	31	21	92
48	4/13	Blast	4000	T480	6	72	74	85	85	82	79	71	74	69	66	66	66	63	60	58	54	53	53	52	50	47	43	39	35	33	27	28	27	19	22	21	11	14	14	90
48	4/13	Blast	4000	T481	3	71	76	86	85	80	76	69	72	69	67	67	66	63	58	58	55	52	52	51	48	46	42	38	35	32	26	28	27	20	21	18	11	15		90
48	4/13	Blast	4000	T482	5	69	75	79	80	79	74	70	71	69	60	64	66	60	58	55	52	52	50	48	46	43	40	35	32	31	22	26	25	18	21	15	9	13		86
48	4/13	Blast	4000	T482	9	69	75	79	80	80	75	70	71	68	63	65	66	60	60	56	51	51	50	49	47	44	40	36	33	32	24	26	25	17	19	15	8	9		86
48	4/13	Blast	4000	T482	12	70	76	79	81	79	74	70	71	67	60	62	62	58	57	56	51	51	51	50	46	44	41	36	33	31	22	26	25	20	21	15	13	15		86
48	4/13	Blast	4000	T482	27	72	83	77	86	85	81	78	72	72	74	70	69	65	63	58	53	52	50	47	43	40	38	33	32	33	28	27	29	22	23	19	17	14	11	91
48	4/13	Blast	4000	T483	2	45	51	58	61	61	59	52	51	56	59	57	53	50	47	49	47	44	44	44	42	39	36	28	30	28		25	26		17	12		9		68
48	4/13	Blast	4000	T483	5	34	48	53	57	58	56	48	46	48	53	57	52	47	47	47	41	40	41	40	36	34	33	22	24	25		23	23		15	5		5	5	65
48	4/13	Blast	4000	T483	7	42	49	51	56	56	56	52	46	50	51	53	53	50	49	48	40	39	41	40	37	35	31	24	26	26		24	24		14					64
48	4/13	Blast	4000	T483	10	47	54	59	61	61	62	58	54	53	55	58	58	54	53	52	50	49	50	50	46	43	39	34	31	30	14	27	29		19	8		9		70
48	4/13	Blast	4000	T484	3	87	88	82	83	78	79	79	72	72	72	69	70	67	66	63	61	57	57	56	54	52	48	45	40	37	33	30	29	24	24	22	22	13	8	93
48	4/13	Blast	4000	T484	13	78	81	80	78	74	71	74	67	68	68	64	66	63	60	59	57	56	53	53	51	49	45	41	38	34	28	28	27	21	20	16	16	13		87
48	4/13	Blast	4000	T484	16	77	79	81	79	73	73	75	70	66	68	66	65	62	61	57	54	51	51	51	49	46	43	39	35	34	30	27	25	19	19	16	18	14	38	87
48	4/13	Blast	4000	T484	23	73	80	84	79	74	71	73	69	69	71	67	66	64	63	61	56	52	52	51	49	46	43	39	35	34	26	27	24	18	19	15	11	12		87
48	4/13	Blast	4000	T484	27	76	83	87	83	78	74	77	72	70	69	67	68	64	62	61	56	55	54	53	51	49	46	42	38	35	29	28	25	21	21	19	17	15	5	91
48	4/13	Blast	4000	T485	5	81	86	88	85	82	77	79	74	75	74	70	71	67	65	63	59	56	56	56	54	51	48	44	41	37	31	31	29	24	24	22	18	18	13	93
48	4/13	Blast	4000	T485	13	75	79	82	80	75	71	71	70	65	66	64	62	61	55	55	53	52	53	51	49	46	43	39	36	33	25	28	26	18	20	14	9	11		87
48	4/13	Blast	4000	T485	20	80	82	84	81	80	76	74	72	73	71	68	69	66	62	59	57	55	55	54	53	50	47	43	39	36	30	28	27	23	22	19	19	13	8	90
48	4/13	Blast	4000	T485	25	77	80	81	79	75	73	73	66	68	69	65	65	64	61	58	55	54	53	52	51	47	44	41	37	34	27	28	26	16	20	16	12	14		86
48	4/13	Blast	4000	T486	9	44	64	67	67	77	68	69	68	68	68	66	66	63	61	58	56	54	54	53	50	47	46	41	38	34	30	28	25	20	20	18	11	12		80
48	5/4	Blast	4000	T1064	3	70	71	78	78	78	74	74	73	73	68	69	65	62	60	56	54	52	50	47	43	39	36	33	33	36	34	33	39	28	23	20	17	16	6	85
48	5/4	Blast	4000	T1064	7	67	68	79	76	78	73	70	77	76	71	66	71	66	67	66	62	57	58	59	54	54	53	51	50	50	48	47	46	45	44	43	44	45	40	86
48	5/4	Blast	4000	T1065	3	77	80	78	81	82	77	75	73	72	70	69	62	60	57	53	50	47	44	41	39	37	34	31	35	39	37	29	38	27	23	21	19	17	10	88
48	5/4	Blast	4000	T1065	7	77	79	79	82	81	78	73	71	74	70	69	67	61	58	55	51	47	46	41	39	37	34	33	33	31	34	38	43	33	27	23	20	17	9	88
48	5/4	Blast	4000	T1065	11	67	70	78	79	76	73	76	75	75	71	67	70	68	66	65	63	59	58	57	56	53	52	51	50	49	48	46	45	44	44	43	45	46	40	86
48	5/4	Blast	4000	T1066	2	70	73	77	78	79	72	71	74	76	72	67	66	62	58	59	56	54	52	48	46	42	37	33	31	32	33	30	38	27	22	19	18	15	5	85

48	5/4	Blast	4000	T1066	23	80	79	80	84	78	78	80	80	77	73	71	70	71	65	65	62	61	60	58	56	55	53	52	51	50	50	48	47	45	44	42	41	41	37	90
48	5/4	Blast	4000	T1067	3	77	80	79	82	78	77	77	75	73	71	73	70	68	64	64	65	64	62	62	59	56	55	57	55	53	52	52	50	49	48	46	45	43	39	88
48	5/4	Blast	4000	T1067	17	71	75	76	79	73	74	73	77	75	70	67	67	63	64	60	57	54	51	48	44	41	37	35	39	40	38	43	42	35	26	21	16	15	10	85
48	5/4	Blast	4000	T1067	24	76	81	77	81	82	80	78	76	76	75	73	69	67	68	65	63	63	62	60	58	58	56	55	54	53	52	50	49	48	47	45	45	44	40	89
48	5/4	Blast	4000	T1068	2	78	82	77	81	81	74	76	72	74	70	70	66	61	61	55	52	49	47	41	40	37	36	34	33	33	31	35	40	36	24	23	20	16	10	88
48	5/4	Blast	4000	T1068	16	73	77	78	81	75	75	76	74	70	71	65	65	60	63	57	54	54	51	47	44	40	37	35	33	35	32	30	39	28	23	20	17	15	5	86
48	5/4	Blast	4000	T1069	3	76	81	79	81	80	79	76	75	71	68	70	66	65	59	56	52	50	46	42	39	37	34	31	29	30	35	31	41	32	24	23	21	18	9	88
48	5/4	Blast	4000	T1069	17	72	75	73	80	77	76	77	73	70	69	68	66	63	60	57	55	53	50	48	45	41	37	33	30	31	27	28	40	29	23	19	17	15	8	86
48	5/4	Blast	4000	T1070	26	44	43	50	48	49	52	52	48	50	52	56	56	53	51	48	43	46	44	44	42	41	40	35	31	32	29	27	35	30	21	15		5		63
57	4/19	Art.	6000	T579	3	49	54	60	60	65	68	68	62	63	59	53	48	42	37	31	30	29	29	29	26	27	29	25	23	25	24	18	15		10	10				74
57	4/19	Art.	6000	T579	21	53	59	60	66	70	66	62	56	61	55	54	50	44	36	36	36	38	37	36	34	31	30	25	26	25	14	21	19	12	17	13	6	2		74
71	5/24	Art.	5000	T6	7	81	79	79	73	72	74	75	77	76	70	71	68	65	65	59	57	55	51	48	46	42	39	35	33	31	28	26	25	23	22	20	20	18	14	87
81	6/1	Blast	4500	T1264	4	74	74	73	65	59	57	57	57	56	56	53	51	45	43	39	38	35	34	30	26	27	27	21	24	24	9	21	19		18	16	4	13		79
81	6/1	Blast	4500	T1265	3	74	73	70	59	58	59	57	58	57	59	51	47	45	45	38	37	35	33	30	24	27	26	19	23	24	17	21	20		18	13		10		78
81	6/1	Blast	4500	T1266	4	75	76	75	68	58	59	56	58	58	53	50	48	45	43	39	35	32	31	29	25	27	26	17	23	23	32	35	26	16	21	16	9	11		80
81	6/1	Blast	4500	T1267	3	72	74	69	65	60	59	57	53	56	56	50	45	43	39	38	36	33	32	30	24	26	27	15	23	23	2	22	21	13	21	19	20	16		77
81	6/1	Blast	4500	T1268	5	73	76	74	67	59	55	55	56	53	53	49	46	43	39	36	36	33	33	31	26	27	27	18	25	26	24	23	21	22	19	12		7		80
81	6/2	Blast	4500	T1178	3	55	60	62	59	60	59	57	56	52	53	51	45	40	40	39	39	37	34	32	29	28	27	27	26	33	37	35	27	22	28	13		4		69
82	5/24	Art. Sim.	100	T541	3	47	51	56	60	64	66	68	69	70	70	66	66	63	61	61	58	57	56	56	55	54	51	48	44	41	36	32	28	32	34	23	19	16	10	78
83	5/16	Blast	6800	T48	3	62	67	69	72	75	79	81	82	79	70	67	66	56	55	54	50	46	45	44	38	39	37	28	34	33	22	29	28	18	20	22	11	14		87
83	5/16	Blast	6800	T66	9	46	56	58	61	58	55	55	52	49	49	51	50	48	45	45	44	41	43	42	41	41	37	30	32	33	34	29	25		20	15		15		66
83	5/16	Blast	6800	T68	3	65	62	60	58	57	53	47	51	50	52	52	49	44	40	44	45	38	41	41	37	38	38	26	32	29		26	23		21	0		19		69
83	5/16	Blast	6800	T68	6	60	59	62	62	61	59	55	58	60	60	60	57	49	52	53	51	46	48	47	45	44	43	38	35	34		31	30		21	15		15		71
83	5/16	Blast	6800	T68	9	59	60	60	63	63	59	53	57	61	61	55	59	51	52	53	52	47	50	48	48	46	44	40	37	34	11	31	26		22	11				71
83	6/16	Art.	4000	T1187	13	53	55	54	52	59	51	61	69	59	80	86	68	65	59	55	56	53	54	54	59	60	63	64	62	58	58	57	54	53	50	48	40	30		87
83	6/16	Art.	4000	T1187	19	52	53	53	53	62	70	60	67	71	65	80	88	73	67	69	61	63	59	61	63	65	65	66	66	67	64	63	63	59	57	55	47	38	16	89
83	6/16	Art.	4000	T1187	28	81	81	89	84	85	80	78	79	80	78	77	77	72	75	74	68	65	65	64	62	59	56	51	47	45	39	38	37	29	32	33	24	22		93
83	6/16	Art.	4000	T1187	30	74	80	82	80	80	73	69	73	73	74	67	66	63	61	62	62	56	54	53	51	48	45	43	40	39	29	34	34	11	29	34		14	11	88

83	6/16	Art.	4000	T1188	2	81	81	89	84	85	80	78	79	80	78	77	77	71	74	74	67	64	65	64	62	59	55	51	47	45	38	38	37	27	32	33	20	20		93
83	6/16	Art.	4000	T1188	5	77	81	83	82	82	75	69	74	74	75	69	66	64	61	62	62	57	55	53	51	49	46	45	43	41	31	35	35		30	35		20		89
83	6/16	Art.	4000	T1192	20	56	57	55	55	54	68	58	60	69	64	75	98	84	64	61	55	50	47	48	47	50	55	47	50	47	46	42	43	38	37	36		27		98
83	6/16	Art.	4000	T1192	25	54	54	52	50	49	60	54	53	57	63	71	91	80	58	50	47	46	45	44	45	45	50	44	45	44	40	38	38	23	33	28		23		92
83	6/16	Art.	4000	T1192	28	80	80	88	83	84	78	72	72	77	79	84	96	90	76	72	67	72	63	60	58	56	52	50	47	44	41	40	38	37	35	34	34	31	28	98
83	6/16	Art.	4000	T1192	30	74	79	81	79	78	71	63	69	71	76	75	86	82	67	62	56	47	44	41	40	40	43	38	37	36	32	31	30	27	27	25	15	21		90
83	6/16	Art.	4000	T1193	2	80	80	88	83	84	78	72	72	77	79	84	96	90	76	72	68	72	63	60	58	56	52	50	47	44	42	40	39	37	35	34	34	31	28	98
83	6/16	Art.	4000	T1193	5	77	81	83	81	81	74	65	69	71	76	76	86	82	67	62	56	49	46	44	42	43	45	39	41	38	30	34	32	28	27	26		19		91
84	5/4	20 mm	2000	T306	7	36	53	54	57	55	56	61	63	58	56	60	56	50	49	57	57	49	47	45	42	42	39	31	37	35		36	31		28	18		18		69
84	5/4	20 mm	2000	T306	12	43	36	48	43	54	55	62	62	57	57	56	60	54	56	61	60	55	50		48	42	41	35	35	40	29	35	31		30				15	70
84	5/4	20 mm	2000	T307	2		51	55	59	56	57	59	59	59	58	63	63	53	50	55	57	52	50	46	44	43	41	34	36	34	15	32	33		28			15		70
84	5/4	20 mm	2000	T307	5		47	52	56	55	56	60	60	60	55	59	59	55	56	52	52	47	48	48	46	44	42	34	35	33		36	30		25					69
84	5/4	20 mm	2000	T307	9	44	51	56	59	57	57	60	61	61	54	60	58	55	55	52	54	53	51	49	47	44	42	36	38	38	22	36	31		23	15		18		70
84	5/4	20 mm	2000	T307	14	43	51	56	60	59	60	62	62	61	54	55	53	51	53	50	50	48	47	49	46	43	40	38	36	35		36	30		27	18				70
99	5/28	Art.	2000	T505	2	76	78	72	67	68	64	66	68	66	63	61	58	56	56	51	49	45	46	44	36	42	42	26	39	38		36	35		32	29		22		82
99	5/28	Blast	4400	T506	6	79	77	77	76	73	70	67	70	69	64	66	60	60	59	55	50	49	48	45	39	43	42	23	38	38		39	32		26	22		16		85
99	5/23	Mark-19	2500	T1363	3			47	45		48	52	52	54	51	52	55	51	49	44	42	35	42	40		42	39		38	37		37	36		29	20				62
99	5/23	Mark-19	2500	T1366	3	60	61	65	68	65	63	65	67	64	60	61	60	57	56	57	53	46	49	46	37	44	43		39	40		42	44		38	41		20		75
99	5/23	Mark-19	2500	T1367	2	60	63	67	70	70	72	71	70	72	68	63	63	60	54	52	49	38	46	45	32	45	44	35	41	41		41	40		34	29				80
107	6/9	Art.	2000	T1913	3	78	82	85	87	86	83	76	66	67	63	62	60	56	44	57	58	46	56	55		54	53		52	49		50	49		35					92
107	6/9	Art.	2000	T1914	3	77	82	85	86	85	82	75	61	63	60	61	66	69	76	72	61	52	59	57	47	57	56	45	53	51		49	47		38	34		31		92
121	5/30	Art.	4000	T1261	5	63	68	68	72	70	72	67	68	62	64	61	52	49	42	36	35	37	38	39	39	37	35	29	28	28	18	23	22	6	17	13		5		78
159	4/10	Blast	2600	T848	3	86	89	90	89	86	84	87	85	88	84	84	81	83	81	78	78	78	77	77	76	73	70	64	59	54	48	47	46	40	41	34	32	33	23	98
159	4/10	Blast	2600	T848	7	66	71	74	78	81	81	74	83	81	80	77	70	68	66	63	62	61	62	60	55	54	51	40	47	46	26	43	42		36	26		30		89
159	4/10	Blast	2600	T848	11	78	88	94	93	86	83	84	88	83	85	84	81	82	79	77	75	74	74	74	73	71	68	63	58	54	48	48	48	39	40	35	33			99
159	4/20	Blast	2600	T681	3	80	85	88	86	82	75	67	67	71	63	59	56	53	53	47	50	46	47	46	44	43	40	36	34	33	26	29	27	19	26	23	15	21		92
159	4/20	Blast	2600	T681	17	80	84	88	87	84	79	71	71	73	63	61	56	54	53	47	48	43	46	46	43	41	40	33	36	35	24	30	30		27	23	12	18		93
159	4/20	Blast	2600	T682	3	78	83	86	88	85	76	71	70	69	66	60	57	54	54	49	47	44	46	47	43	42	40	34	35	35	26	31	31	20	28	23	18	21		92
159	4/20	Blast	2600	T683	2	83	85	87	86	87	85	79	76	76	74	69	67	69	62	57	57	54	56	56	56	54	51	47	44	39	30	30	31	23	28	25	22	22	12	94
159	4/20	Blast	2600	T684	3	80	86	89	88	86	82	79	74	74	72	70	67	68	62	56	55	54	55	55	53	52	50	45	42	38	31	32	30	24	29	27	25	26		94
159	4/20	Blast	2600	T686	3	83	86	88	89	85	81	79	80	79	76	68	71	72	66	64	66	63	62	63	64	62	58	54	51	48	41	38	35	30	32	30	28	26	18	95

159	4/20	Blast	2600	T687	4	81	85	88	90	87	84	82	83	76	73	69	71	73	65	63	61	57	59	61	59	56	53	52	48	44	37	35	32	30	29	29	28	25	12	95
159	4/20	Blast	2600	T688	2	82	85	90	91	87	84	78	80	85	80	73	74	72	68	67	63	58	59	58	57	55	52	49	45	42	35	35	34	30	31	30	29	28	21	96
159	4/20	Blast	2600	T689	3	82	85	90	92	86	86	81	81	83	77	74	70	72	67	63	62	60	60	61	61	58	54	50	46	42	34	34	35	30	31	31	29	29	19	96
159	4/20	Blast	2600	T690	2	79	87	90	90	88	85	85	84	83	75	76	70	71	71	66	66	63	63	61	61	59	56	54	50	46	42	39	36	31	31	30	31	28	22	96
159	4/20	Blast	2600	T691	2	82	88	91	90	84	83	85	84	81	75	75	70	70	67	64	61	59	59	59	58	57	54	51	47	42	36	35	34	29	31	28	28	27	15	96
159	4/20	Blast	2600	T692	3	80	85	88	88	86	79	78	68	63	65	63	61	58	54	50	50	48	48	48	45	43	41	36	36	35	28	33	32	19	26	24	25	25		93
159	4/20	Blast	2600	T693	3	80	83	86	86	80	72	66	66	67	62	62	59	57	57	49	47	46	47	46	45	43	41	33	37	42	47	34	31		27	23		18		91
159	4/20	Blast	2600	T694	2	81	85	85	82	77	75	69	67	68	61	59	53	56	54	48	48	45	47	46	43	42	39	34	33	34	20	30	26		23	21		12		90
159	4/20	Blast	2600	T694	14	81	84	85	84	78	71	65	68	62	61	60	54	56	55	47	48	46	47	45	43	41	40	34	33	32	22	28	28		22	22				90
159	4/20	Blast	2600	T695	2	81	83	83	81	74	72	67	66	66	61	63	55	56	56	48	48	45	46	44	42	40	39	31	34	41	43	31	28		23	17	12	17		89
159	4/20	Blast	2600	T696	2	78	81	83	81	75	66	64	67	61	57	55	50	51	52	45	45	41	43	41	37	38	37	25	33	32		27	21		23			15		87
159	4/20	Blast	2600	T697	2	79	82	83	80	75	72	69	64	62	61	62	55	58	52	48	47	45	46	46	42	42	40	29	34	33	15	31	28		26	23		17		88
159	4/20	Blast	2600	T698	3	82	86	86	82	75	69	74	74	70	64	58	57	57	53	50	50	46	48	47	44	43	40	33	37	35	18	30	30		27	25		17		91
159	4/20	Blast	2600	T699	3	81	83	85	82	75	62	69	69	67	66	61	57	57	56	52	50	46	47	46	44	43	41	35	34	35	18	31	30		24	21		18		89
159	4/20	Blast	2600	T699	13	81	83	86	82	76	65	67	67	67	66	61	57	59	55	49	49	46	48	46	45	41	39	33	35	36	23	32	31		23	18	17	20		90
159	4/20	Blast	2600	T700	2	81	84	84	82	73	63	67	66	64	66	57	53	57	58	49	49	46	47	45	43	41	39	33	34	33	19	29	29		23	12		15		89
159	4/20	Blast	2600	T701	3	75	80	80	78	74	67	63	66	60	61	61	53	54	50	44	45	42	43	42	38	38	37	29	34	31		29	26		23	17				85
159	4/20	Blast	2600	T701	24	75	79	79	78	73	67	64	60	62	60	58	52	54	51	43	44	40	42	41	38	38	36	18	33	30		28	25		21	12		18		85
159	4/20	Blast	2600	T702	3	76	81	83	84	80	74	72	66	67	65	60	56	55	54	47	47	43	46	45	40	41	39	31	34	35	19	32	30		25	20	19	18		89
159	4/20	Blast	2600	T703	2	75	79	81	84	80	74	66	59	63	56	54	50	54	49	46	44	42	42	42	38	39	36	17	32	31		30	25		25					88
159	4/20	Blast	2600	T703	25	75	79	82	82	79	75	69	65	67	59	53	54	54	49	46	45	41	42	41	38	38	36	24	31	33		27	28			17				88
159	4/20	Blast	2600	T704	2	80	84	87	86	81	79	78	74	77	67	64	58	61	56	53	52	48	49	48	45	45	42	34	35	35	24	30	30	12	24	23		17		92
162	4/20	Impact	4000	T1105	5	63	66	68	68	64	64	61	61	59	54	49	44	41	35	32	32	27	29	28	25	26	26	18	22	23		20	17		16	13		5		74
172	4/28	C-4	100	T493	4	79	0	79	84	81	82	84	83	87	86	89	86	87	85	85	84	80	82	81	81	83	83	83	82	80	78	77	74	71	71	65	67	58		98
172	4/28	C-4	100	T494	3	78	0	83	84	82	85	84	85	86	86	85	88	86	85	84	83	81	82	82	86	85	85	85	84	83	81	79	78	76	74	71	65	58		99
183	4/28	C-4	1600	T952	3	58	62	63	64	66	65	64	59	53	54	52	51	51	45	48	49	48	49	48	46	45	44	32	40	39		32	33		22	16				73
183	4/28	C-4	1600	T953	3	56	57	57	63	67	71	67	60	54	53	50	50	48	43	49	48	47	48	48	43	45	44	34	39	38		33	32		29	19		23		74
206	5/30	Art.	2500	T1176	4	61	67	74	72	72	69	66	73	72	68	58	56	48	40	39	41	43	44	44	43	41	38	35	34	32	28	30	28	23	23	18	6	12		81

206	5/30	Art.	2500	T1176	18	65	71	77	74	76	69	65	69	68	64	55	51	46	40	40	41	42	45	44	44	41	38	34	31	31	29	32	30	25	25	20	13	13		82
267	5/28	Blast	2400	T314	2	53	57	57	50	49	51	53	63	64	68	63	61	65	61	54	54	50	48	45	41	40	40	33	31	34		32	29		24	20		25		73
267	5/28	Blast	2400	T314	6	88	88	85	78	73	74	82	78	73	70	68	66	65	63	59	56	51	52	49	43	44	42	34	39	38	26	35	32		29	25	23			93
267	5/28	Blast	2400	T315	6	85	86	83	76	71	72	76	74	67	62	66	61	58	55	53	53	47	48	45	40	42	41	31	37	38		36	32		30	16		23	23	90
267	5/28	Blast	2400	T316	5	86	86	84	80	73	72	76	72	68	65	63	61	63	59	55	54	50	48	46	42	43	42	32	39	37		34	33		27	26		23	19	91
267	5/28	Blast	2400	T317	5	85	86	83	74	70	75	86	85	74	74	71	65	62	55	58	53	48	49	48	45	45	44	36	39	38	28	37	38	16	34	39		23	16	93
267	5/28	Blast	2400	T318	5	85	84	81	73	73	67	69	67	66	66	62	62	60	57	55	51	47	48	46	41	44	43	36	40	39		37	32		29	22		19	19	89
267	5/28	Blast	2400	T319	2	54	61	64	64	60	62	70	70	64	63	51	52	50	47	46	46	38	42	43	38	40	38	33	36	34		34	32	27	29	26		16		75
267	5/28	Blast	2400	T319	5	86	85	87	80	77	80	82	84	77	77	75	70	69	67	64	58	52	56	54	47	45	43	36	40	39	26	36	34	25	29	26	19	24	16	93
267	5/28	Blast	2400	T320	6	86	85	83	77	75	77	80	86	82	75	67	66	70	65	62	55	50	52	48	42	43	43	34	39	38	30	37	33	19	29	23	0	26	24	92
267	5/30	Blast	2400	T28	7	89	90	88	83	72	67	71	68	71	70	71	66	62	59	57	54	53	57	54	52	50	47	40	42	44	30	39	38		31	25		21		94
267	5/30	Blast	2400	T28	16	71	77	75	74	66	68	72	79	78	74	76	70	70	67	65	65	63	64	65	65	64	58	52	48	45	33	42	40	21	33	29		21		86
267	5/30	Blast	2400	T28	19	87	89	90	85	73	68	69	70	70	69	64	64	61	58	57	57	54	55	57	52	51	48	39	42	43	21	39	39		32	25		28		94
267	5/30	Blast	2400	T29	8	87	88	86	82	73	69	67	67	65	66	64	63	60	54	53	55	52	54	54	51	49	47	40	43	42		39	34		35	28		24		92
267	5/30	Blast	2400	T29	14	56	59	62	63	54	52	53	57	62	62	66	66	68	64	62	62	61	58	59	57	56	53	47	45	44		40	39		32					75
267	5/30	Blast	2400	T29	20	85	87	86	81	68	68	67	65	66	66	63	63	60	55	55	53	51	52	52	48	49	48	39	42	42		38	36		32	25		31		91
267	5/30	Blast	2400	T30	3	63	67	67	64	59	58	62	62	65	69	70	71	71	64	59	62	60	59	59	57	57	54	47	45	43	28	40	39		33	29		24		79
267	5/30	Blast	2400	T30	7	89	87	85	83	74	69	68	72	66	67	70	70	64	58	58	56	54	56	56	53	52	49	43	42	42		38	37		34			28		93
267	5/30	Blast	2400	T31	4	62	62	63	54	53	54	51	55	62	68	67	76	73	66	63	61	62	62	62	61	58	55	49	46	45	47	46	40		33	27				80
267	5/30	Blast	2400	T31	9	89	89	86	81	70	68	70	70	69	65	65	65	66	59	58	57	57	57	57	54	52	50	40	44	43		41	35		35	24		24		93
267	5/30	Blast	2400	T31	20	73	77	79	78	71	66	62	71	76	79	71	71	72	65	65	64	63	64	64	63	61	58	54	49	46	35	42	40	21	31	28				86
267	5/30	Blast	2400	T31	23	88	88	88	82	68	67	68	66	67	67	63	62	62	55	57	56	54	55	55	52	51	48	38	43	43		39	38		30	28				93
267	5/30	Blast	2400	T32	7	89	90	88	86	79	69	69	66	67	63	64	67	61	59	56	57	55	57	55	54	51	48	39	41	41	21	39	35		31			24		95
267	5/30	Blast	2400	T33	3	73	78	76	69	67	62	67	71	76	82	78	68	70	70	64	66	61	62	63	59	58	55	52	46	44	34	40	40	24	33	31		24		87
267	5/30	Blast	2400	T33	6	87	88	87	84	74	65	62	66	68	68	60	59	56	53	54	54	50	51	51	48	46	45	25	41	41		38	31		28	21				93
267	5/30	Blast	2400	T34	4	58	59	64	63	57	55	53	54	58	63	66	68	60	58	59	58	56	55	55	55	53	50	44	44	43		42	40		34	30	40	28		74
267	5/30	Blast	2400	T34	9	85	87	86	81	74	61	69	69	64	64	62	61	59	53	56	55	49	52	52	48	49	47	40	43	40		40	38		33	28		21	21	91
267	5/30	Blast	2400	T34	19	85	82	82	78	72	67	64	66	66	66	64	64	61	58	57	55	52	55	53	51	50	48	42	44	43	38	42	41	40	35	33	47	27		89
267	5/30	Blast	2400	T35	8	87	89	88	83	71	66	64	63	68	66	64	62	58	54	55	54	49	51	50	48	47	45	34	41	41		37	34		28			27		93
267	5/30	Blast	2400	T36	3	58	74	80	80	68	67	67	71	77	79	77	67	68	61	62	60	61	58	60	59	56	52	46	44	42	24	38	37		30			21		87
267	5/30	Blast	2400	T36	6	90	92	91	88	78	67	64	71	71	69	67	64	60	57	57	57	55	56	56	53	52	49	44	45	43	35	41	38	40	32	29	39	30		97

267	5/30	Blast	2400	T36	17	90	92	91	87	71	70	70	66	65	64	63	60	58	56	53	54	51	53	52	50	48	47	35	41	40		35	31		28	24		27		96
267	5/30	Blast	2400	T37	7	87	87	85	79	73	69	63	63	64	65	63	63	60	55	54	52	48	51	49	45	46	44	37	40	40		38	32		31	24		27		92
267	5/30	Blast	2400	T38	4	70	73	78	70	67	68	71	72	74	78	78	68	70	65	62	61	62	62	61	59	58	53	47	45	45	27	40	39		34	21		28		85
267	5/30	Blast	2400	T38	7	87	89	86	81	73	71	68	67	67	66	64	62	59	58	58	55	52	54	54	51	50	47	36	42	41		41	36		33	21		21		93
267	5/30	Blast	2400	T39	6	85	87	85	82	73	68	67	68	66	69	70	72	70	66	66	63	56	56	55	54	49	48	42	44	41	35	40	37		33	24		27		91
267	5/30	Blast	2400	T40	4	88	87	86	83	74	69	72	70	70	67	65	64	61	57	56	55	52	53	52	51	49	48	39	43	43		41	36		32	24		24		92
267	5/31	Blast	2400	T761	8	84	85	86	80	71	67	69	64	66	66	65	64	58	57	61	59	47	59	57	55	57	56	45	51	51		50	48		44	35		31		90
267	5/31	Blast	2400	T761	18	83	84	84	81	76	68	68	67	67	66	65	65	61	55	60	59	51	59	58	46	56	55		52	51		50	48		41	34		34		90
267	5/31	Blast	2400	T762	8	84	86	87	83	74	63	67	66	67	69	66	63	61	52	60	56	48	55	56	53	52	54		50	47		47	43		34	34		31		92
267	5/31	Blast	2400	T763	4	81	83	79	75	68	66	68	62	62	60	60	64	59	54	58	56	48	54	54	46	51	53		49	46		45	47		38	34		34		87
267	5/31	Blast	2400	T763	17	82	83	81	80	72	67	69	65	62	61	59	59	55		54	56	46	54	54		53	53		48	46		45	45		42	35				88
267	5/31	Blast	2400	T764	6	82	84	82	82	78	66	64	66	68	65	64	64	62	46	60	57	50	57	58	52	57	55	37	50	50		51	48		42			34	34	89
267	5/31	Blast	2400	T765	6	85	86	86	86	74	68	70	65	70	66	64	63	60	53	55	55	48	56	55	43	53	50		47	48		47	44		40			37		92
267	5/31	Blast	2400	T766	7	84	86	86	81	71	60	68	63	66	61	58	61	57	53	57	56	42	51	53	53	53	51	49	49	47		46	45		34			38		90
267	5/31	Blast	2400	T767	2	55	64	62	63	60	56	64	70	73	78	76	73	66	62	59	62	58	62	60	61	57	56	49	50	50		44	46		31	31		38		82
267	5/31	Blast	2400	T767	6	84	83	85	82	75	68	69	69	70	70	65	64	61	55	58	57	45	56	55	0	53	49	37	49	47		47	42		35	40				90
267	5/31	Blast	2400	T768	3	83	86	86	82	71	65	65	65	68	66	65	66	61	58	60	59	50	59	56	37	54	54		50	47		44	51		31	35		35		91
267	5/31	Blast	2400	T768	18	85	86	85	78	72	66	67	68	69	66	69	67	62	55	61	58	53	58	57	54	55	55	31	52	50		51	50		44	34				90
267	5/31	Blast	2400	T769	5	84	87	87	85	75	67	68	68	69	66	67	66	62	56	60	58	50	54	56	46	53	53	53	48	49		46	42			31		34	34	92
267	5/31	Blast	2400	T770	5	83	83	85	83	70	61	64	62	64	65	59	61	59	47	56	57	37	51	55	53	52	52		49	46		45	43			31		34	34	90
267	5/31	Blast	2400	T771	5	80	85	85	83	76	61	64	62	67	62	58	61	58	0	53	56	46	54	54	52	54	51		47	48		49	47		35					90
267	5/31	Blast	2400	T772	7	85	86	85	81	73	67	72	68	72	69	66	68	63	56	61	57	48	59	56	55	55	54		52	50		48	49		43	38		39		91
267	5/31	Blast	2400	T773	7	83	84	83	83	74	67	69	67	67	69	70	65	63	58	60	58	49	57	57	44	55	54		51	49		50	48		42	31		31		90
267	5/31	Blast	2400	T774	7	88	91	91	86	77	73	71	70	73	71	68	68	69	68	65	64	61	62	61	59	57	56	52	49	49		44	43		31	34		37		95
267	6/1	Blast	2400	T849	5	86	87	84	82	72	61	62	68	67	63	63	64	63	59	60	59	48	58	56	42	56	54		49	49		50	44		43	37		38	35	91
267	6/1	Blast	2400	T850	5	86	87	84	82	73	63	65	67	64	62	58	64	62	55	58	59	47	57	56		54	53	51	48	50		51	48		38	38		37	35	91
267	6/1	Blast	2400	T851	3	86	87	87	83	75	61	63	66	64	64	60	62	61	55	59	57	40	58	56		53	54		49	51		53	49		46			38		92
267	6/1	Blast	2400	T852	7	87	88	88	86	78	66	60	64	67	63	63	65	63	59	60	60	49	58	56	48	55	54	48	52	51		54	48		42	34		31		94

267	6/1	Blast	2400	T853	5	85	87	87	83	71	62	57		60	59	55	61	57	37	55	54	44	49	49		50	50		49	48		51	46		39	34		31	31	92
267	6/1	Blast	2400	T854	3	86	87	87	84	75	65	65	67	65	64	63	65	62	56	60	59	49	56	56	53	54	53	52	50	51		53	50		44	34		34		92
267	6/1	Blast	2400	T855	2	79	80	79	76	64	55	61	57	64	59	46	60	57		55	56	34	55	55		54	52		44	48		48	45		39	35		34		85
267	6/1	Blast	2400	T856	8	85	86	86	84	74	63	64	66	65	63	61	64	62	55	58	59	41	56	57	42	55	51		51	52		51	49		34	38		37		92
267	6/1	Blast	2400	T857	5	83	86	84	81	73	62	49	51	64	62	60	58	52		55	56	45	54	53		50	51	45	44	46		46	48		39	31		39	39	90
267	6/1	Blast	2400	T858	6	82	85	85	83	78	66	66	61	64	66	62	60	60	49	55	54		56	52	40	50	51		45	46		47	46		40	35		31		90
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267	6/1	Blast	2400	T859	23	85	87	87	85	79	71	66	67	66	64	63	62	61	52	60	56	42	52	53	49	52	52		41	47		49	44		31	31		35		92
267	6/1	Blast	2400	T860	5	82	85	85	83	70	62	64	61	63	59	59	61	57	50	56	55	42	53	53		52	50		48	46		50	47		39			31	31	90
267	6/1	Blast	2400	T861	2	59	66	75	77	69	64	65	65	69	69	67	63	62	60	59	56	54	58	57	53	53	53		49	45		50	47		34			34		81
267	6/1	Blast	2400	T861	6	82	84	83	82	77	66	62	62	66	64	61	62	58	53	56	57	45	58	57	45	55	53		48	51		53	49		45	34		31	31	89
267	6/1	Blast	2400	T862	7	81	82	83	81	75	61	63	67	68	61	59	61	60	49	54	56	37	53	53		52	50		48	48		47	42		43	31		34		88
267	6/1	Blast	2400	T863	8	86	86	84	81	73	65	65	66	64	65	63	63	62	55	59	58	44	58	57	54	53	53		50	51		54	50		41	31		41		91
267	6/1	Blast	2400	T864	5	84	85	83	80	75	69	66	64	66	64	63	64	63	55	59	58	48	55	56	51	55	54		52	49		52	48		45	34		31	31	90
267	6/1	Blast	2400	T865	4	84	84	81	79	75	68	66	65	65	63	63	61	59	56	57	58	40	56	54	41	54	53		45	45		48	47		38	31		34		89
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267	6/1	Blast	2400	T867	6	84	86	85	83	75	65	70	64	67	65	65	66	64	57	59	58	47	58	58	41	54	54		52	52		54	50		41	37		34		91
267	6/1	Blast	2400	T868	2	69	73	75	72	62	60	62	70	73	71	63	62	59	60	60	63	60	58	58	54	56	52	40	48	49		48	45		40			38		81
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267	6/1	Blast	2400	T870	2	55	57	59	57	60	60	62	68	75	78	79	83	72	65	62	66	59	61	64	65	62	58	54	53	51	39	52	48		41			35		86
267	6/1	Blast	2400	T870	8	84	87	86	82	75	64	64	64	72	69	69	68	63	58	60	57	49	57	54	48	54	52		49	47		47	43		35			34		91
267	6/1	Blast	2400	T871	7	87	87	85	83	78	68	69	67	70	67	68	69	65	59	63	60	54	59	58	54	55	55		50	51		49	48		43	34		31		92
267	6/2	Blast	2400	T709	7	93	97	97	90	86	85	91	92	85	85	84	81	73	71	67	69	68	67	66	63	60	58	55	53	51	43	46	46		37	37				102
267	6/2	Blast	2400	T710	7	93	92	87	90	83	79	85	81	80	82	82	79	73	69	68	67	65	65	63	58	58	57	45	53	53		48	48		41	36		34		98
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267	6/2	Blast	2400	T712	5	93	91	89	90	77	76	82	81	77	79	77	75	71	65	66	65	66	64	63	57	58	58	45	52	52	36	50	51		46	34		31		98
267	6/2	Blast	2400	T713	3	83	82	80	78	78	70	74	78	73	71	65	64	63	60	59	59	55	57	58	0	55	56	50	51	52		50	51		40			34		89
267	6/2	Blast	2400	T714	7	83	81	78	78	77	74	74	75	71	67	69	66	66	61	61	61	55	60	59	51	57	55		51	49		50	49		34	31				88
267	6/2	Blast	2400	T715	6	89	89	84	80	76	75	75	72	72	67	69	64	62	63	62	61	55	59	58	55	57	55		52	51		51	50		38	36		31		93

267	6/2	Blast	2400	T716	5	89	90	87	82	73	75	76	73	75	78	71	68	68	63	62	62	54	60	58	48	56	55		50	51		50	50		41	31		39	38	94
267	6/2	Blast	2400	T716	15	84	86	86	82	72	68	69	67	70	70	70	68	64	60	60	59	54	60	58	43	54	55	43	49	52		51	52		44	34		36		91
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267	6/2	Blast	2400	T716	26	89	89	86	80	75	75	73	78	74	70	67	68	66	64	62	63	55	60	56	47	58	54	43	52	52		48	42		41	37		36		94
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267	6/2	Blast	2400	T717	5	84	85	85	81	74	68	68	69	73	73	70	66	63	53	61	59	53	60	57	52	55	55	52	51	52		51	50		46	31		31	31	91
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267	6/2	Blast	2400	T718	6	88	90	90	85	71	70	68	73	79	78	77	69	65	65	62	62	57	60	59	56	58	57	40	54	53		50	49		47	47				95
267	6/2	Blast	2400	T718	27	89	90	87	82	84	82	80	73	78	76	70	66	72	67	62	62	58	61	60	53	57	55		53	51		49	49		42	36		36		95
267	6/2	Blast	2400	T719	5	89	90	86	81	83	83	86	80	78	76	71	73	69	65	65	65	62	63	60	54	56	56	50	51	50		47	47		43			38		95
267	6/2	Blast	2400	T720	8	86	88	88	80	70	65	72	68	69	71	70	67	64	60	60	59	52	58	56	54	56	55		51	52		51	49		42	31		40		93
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267	6/2	Blast	2400	T722	3	61	0	55	59	0	58	57	59	69	77	82	77	71	65	65	62	54	58	56	52	55	53		51	46		47	49		42	31				84
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267	6/2	Blast	2400	T724	8	87	90	88	83	74	68	70	72	75	74	74	73	68	62	63	64	57	60	60	51	57	57		51	52		51	50		41	37		31		94
267	6/2	Blast	2400	T725	5	86	89	88	83	72	69	69	71	75	72	72	70	71	66	67	63	52	58	57	47	56	56	41	53	49		48	51		45	43		37	36	93
267	6/2	Blast	2400	T726	7	85	85	82	81	72	68	68	67	70	69	65	63	59	56	61	57	46	59	56	53	56	54	45	51	49		52	50		44			38		90
267	6/2	Blast	2400	T726	18	83	85	83	82	74	71	67	72	71	69	65	65	61	57	60	58	48	56	57	42	54	54	34	51	51		49	52		40	38		31		90
267	6/2	Blast	2400	T727	6	85	86	83	80	71	71	66	68	65	68	66	63	60	60	60	59	49	56	56	48	55	54		52	51		49	51		40	31				90
267	6/2	Blast	2400	T728	3	67	74	71	70	69	70	73	70	72	71	69	68	63	64	61	60	56	59	55	0	56	54		52	51		49	51		47					82
267	6/2	Blast	2400	T728	6	86	87	84	77	70	65	65	68	64	69	64	64	63	62	60	60	47	58	58	44	56	55	48	54	52		52	49		45					91
267	6/2	Blast	2400	T728	12	73	73	72	68	68	69	75	72	73	71	66	64	63	59	62	61	55	59	57	47	56	56		52	50		52	49		42			34		82
267	6/2	Blast	2400	T728	15	86	87	83	77	67	61	65	65	66	66	63	63	60	57	59	57	0	59	58	39	55	54		52	51		51	49		41	34				91
267	6/2	Blast	2400	T729	3	63	64	67	67	63	63	60	62	64	66	64	67	66	63	61	62	53	58	55	53	56	56	46	51	50		51	51		45	31		34		77
267	6/2	Blast	2400	T729	6	89	91	89	78	76	77	75	76	74	73	68	66	63	60	61	60	54	58	57	50	54	53		51	52		51	49		41	36				95
267	6/2	Blast	2400	T730	2	89	90	86	74	75	76	78	77	72	66	67	66	62	60	62	62	51	58	59	49	55	56	45	51	51		50	49		44	40		34		94
267	6/2	Blast	2400	T730	21	89	91	87	78	73	76	79	77	74	67	66	68	67	66	63	61	54	59	59	52	56	55	45	54	50		51	50		41					95

267	6/2	Blast	2400	T731	7	90	92	90	84	72	73	71	71	72	68	67	64	65	65	62	62	57	59	57	48	56	55		52	52		50	49		43			36		96
267	6/2	Blast	2400	T732	5	85	87	86	82	73	73	69	68	68	69	64	64	63	61	61	61	51	57	57	49	57	54		51	52	39	49	50		40	31		34	34	92
267	6/2	Blast	2400	T732	8	87	88	88	82	68	68	66	70	70	67	68	68	63	59	61	60	42	58	57	56	54	55		52	54		50	48		42	36		38		93
267	6/2	Blast	2400	T732	25	85	87	85	81	73	72	70	68	70	67	63	66	64	53	59	58	46	60	58	47	58	55		52	53		48	48		41	36		38		91
267	6/2	Blast	2400	T733	5	87	89	89	85	76	68	74	77	72	72	61	66	65	61	61	59	54	60	56	51	54	53		50	48		47	46		42	31		31	31	94
267	6/2	Blast	2400	T734	4	88	89	87	83	73	65	66	68	67	68	71	67	63	59	60	58	50	56	56	52	53	53		47	49		48	49		31	41				94
267	6/2	Blast	2400	T734	25	66	72	75	67	68	67	63	71	78	83	85	75	73	70	65	64	61	63	62	57	58	57	48	53	52		52	51		44	31		39		88
267	6/2	Blast	2400	T734	28	88	89	89	82	69	69	69	68	67	71	69	70	67	63	61	63	53	58	59	55	55	56	34	51	51		52	50		44			31		94
267	6/2	Blast	2400	T735	5	85	88	87	84	74	65	66	66	64	63	58	62	59	55	58	55	42	54	54	0	55	50		49	48		49	47		44			31	31	92
267	6/2	Blast	2400	T736	6	86	88	86	83	75	66	68	69	69	68	68	68	65	63	62	60	48	56	56	49	55	55		50	50		47	44		34	39		31		93
267	6/2	Blast	2400	T737	3	52	59	65	64	62	60	58	64	69	73	78	76	75	69	70	70	58	62	62	59	60	58	50	50	50	37	49	43		34	31		36		83
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267	6/2	Blast	2400	T738	7	88	90	89	86	78	68	69	67	69	71	66	66	64	60	63	60	55	58	59	52	57	56	50	54	54		50	49		46	36		31		95
267	6/2	Blast	2400	T739	6	84	85	85	82	74	69	65	57	68	62	58	64	58	52	58	58	0	58	56	53	54	54		50	53		52	51		46	36				90
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267	6/2	Blast	2400	T744	3	85	86	82	79	72	64	66	68	68	64	63	64	61	57	60	59	40	59	57	52	56	55		51	52		50	52		42	34		31		90
267	6/2	Blast	2400	T744	10	85	86	88	87	80	69	72	70	75	73	71	69	67	60	62	61	55	60	58	57	56	55	48	50	52		52	49		42	31		34		93
267	6/2	Blast	2400	T744	16	63	65	66	63	62	66	70	70	74	77	76	83	80	69	66	64	60	62	60	57	59	56	48	52	52	39	49	51		37	36		34	52	87
267	6/2	Blast	2400	T744	20	88	89	90	89	81	69	72	71	74	74	71	71	69	66	67	63	57	62	60	52	57	57	34	53	52		51	48			39				95
267	6/2	Blast	2400	T745	8	83	85	87	82	73	72	72	71	69	72	70	66	64	59	61	60	50	58	57	49	55	54		49	50		52	52		39	34		38		91
267	6/2	Blast	2400	T746	8	84	86	88	83	72	67	69	67	67	69	70	67	64	60	61	59	45	60	58	53	56	57	34	52	50		51	49		42	34				92
267	6/2	Blast	2400	T747	6	86	87	86	83	75	66	68	68	68	69	65	65	60	58	61	59	49	58	57	50	56	56		52	50		51	48		45	40		31		92
267	6/2	Blast	2400	T748	2	58		63	58	55	64	67	67	70	71	75	75	74	63	65	64	54	60	60	52	58	57	50	51	50		52	48		43					81
267	6/2	Blast	2400	T748	6	88	88	90	87	75	66	73	75	71	73	74	72	67	61	65	63	53	59	59	51	56	57	43	53	51		51	50		34	37				95
267	6/2	Blast	2400	T748	23	64	70	72	69	66	61	67	72	77	77	77	72	69	62	60	58	55	60	59	49	55	55		52	52		51	48		48	31				84
267	6/2	Blast	2400	T748	27	88	90	91	87	77	71	69	78	81	80	79	76	69	65	65	64	60	61	59	54	57	56	49	53	53		51	49		44	37		31		96
267	6/2	Blast	2400	T749	2	71	72	76	75	67	67	71	72	76	74	67	68	58	61	64	65	63	64	60	58	59	56	51	52	51		51	48		47	37		36		84
267	6/2	Blast	2400	T749	5	89	92	92	89	77	69	76	76	78	75	74	74	74	71	67	61	60	60	61	56	58	57	40	53	52		51	49		40	41		34		97

267	6/2	Blast	2400	T750	4	88	90	90	85	73	68	72	76	76	77	74	73	71	65	65	64	56	62	61	58	60	57	54	54	53		51	50		46	40		40		95
267	6/2	Blast	2400	T750	18	89	91	90	85	73	69	72	75	76	76	74	78	74	68	66	65	59	62	62	57	59	59	48	54	53		53	52		39	41				96
267	6/2	Blast	2400	T751	6	76	80	77	77	73	66	66	66	66	65	61	63	60	49	57	56	41	59	56	44	55	56		50	52		50	50		41					84
267	6/2	Blast	2400	T752	2	61	70	72	66	64	64	68	70	69	65	64	60	62	60	58	56	37	55	54	44	55	52	40	50	48		45	47		37	31		36		79
267	6/2	Blast	2400	T752	6	78	79	78	72	63	64	64	58	64	65	52	62	60	47	61	58	0	59	57	52	55	55		51	51		50	48		45	37		34	34	84
267	6/2	Blast	2400	T752	25	61	68	70	70	66	62	68	63	68	67	62	62	57	59	60	58	37	54	54	0	53	52	31	49	50		47	43		37	34		37		78
267	6/2·	Blast	2400	T753	2	67	70	77	73	70	64	65	68	74	79	82	74	68	70	66	67	64	65	63	62	61	59	55	54	51	37	48	48	31				31		86
267	6/2	Blast	2400	T753	6	84	86	87	83	71	64	69	66	67	65	68	66	62	58	60	58	37	58	59	56	55	54		51	50		50	50		43	36		34		92
267	6/2	Blast	2400	T754	5	88	88	89	84	74	65	68	66	66	67	62	62	61	53	60	56	48	57	54	0	53	53	31	50	50		48	45		36	31		34	34	94
267	6/2	Blast	2400	T755	5	86	89	87	82	70	66	68	67	63	65	65	61	62	62	58	56	47	56	53	0	50	52	31	49	47		48	43		42					93
267	6/2	Blast	2400	T756	5	83	83	84	83	72	67	67	68	68	63	64	65	60	54	58	58	44	60	58	46	56	57		52	51		53	50		46	37		31	31	89
267	6/2	Blast	2400	T756	23	83	86	85	79	72	66	66	68	69	65	62	64	57	54	58	55	48	56	52	52	53	53		48	49		47	47		37					90
267	6/2	Blast	2400	T757	6	81	83	82	79	74	66	68	67	67	63	60	64	60	58	58	58	46	57	55	51	56	54		51	50		51	51		43	34		37	36	88
267	6/2	Blast	2400	T758	6	83	84	84	83	72	66	67	62	69	64	64	65	63	51	59	56	47	56	55		54	52		49	46		47	49		36			31		90
267	6/2	Blast	2400	T759	7	85	86	84	80	73	69	70	70	70	65	67	68	64	56	59	61	51	59	56	53	57	55		51	51		51	51		40	31		37		90
267	6/2	Blast	2400	T760	6	79	80	79	68	68	65	66	64	68	66	60	62	60	40	62	57	47	56	57	53	57	56	38	50	53		50	47		42	36		31		85
267	6/2	Blast	2400	T760	28	78	81	78	75	71	70	69	65	65	65	60	60	59	55	55	57		58	54	46	53	54		50	49		44	44		38	34				85
267	6/4	Blast	2400	T1199	1	37	57	63	64	65	71	71	72	74	73	71	65	74	71	61	64	60	64	60	56	51	48	43	40	39	30	32	33	22	26	23				82
267	6/4	Blast	2400	T1199	5	92	94	93	87	84	87	91	89	86	76	79	78	81	79	76	71	64	64	63	61	60	56	53	49	46	42	39	38	34	35	35	32	31	19	100
267	6/4	Blast	2400	T1199	25	92	94	93	88	83	86	91	89	86	80	80	80	81	78	71	71	65	64	64	62	59	59	52	49	46	41	38	38	33	35	34	35	32	19	100
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267	6/4	Blast	2400	T1200	23	93	94	93	91	87	87	82	83	83	83	81	79	74	73	74	69	67	66	64	63	59	57	52	50	45	39	38	37	33	35	33	33	31		100
267	6/4	Blast	2400	T1201	3	53	52	59	61	63	65	72	70	71	77	79	78	76	71	66	61	59	55	54	50	49	45	39	40	39	28	35	34	36	25	26		21		85
267	6/4	Blast	2400	T1201	7	93	94	93	90	86	87	84	81	80	80	82	77	75	73	70	71	65	66	64	62	59	56	52	48	46	40	39	37	35	33	34	33	30	16	100
267	6/4	Blast	2400	T1202	3	68	73	75	69	66	71	76	78	78	76	68	66	66	64	61	60	57	57	55	52	48	45	41	41	40	27	36	37	26	27	21		16		85
267	6/4	Blast	2400	T1202	13	71	80	84	83	83	86	83	72	69	80	79	67	65	67	65	66	65	60	59	56	53	49	44	43	41	33	38	35	29	28	29	21	21		92
267	6/4	Blast	2400	T1202	16	93	94	92	91	86	77	91	91	90	86	82	81	76	75	75	72	67	65	63	63	60	55	54	49	46	42	41	39	36	35	34	33	34	29	101
267	6/4	Blast	2400	T1204	3	62	62	72	79	80	78	80	83	78	80	72	64	72	69	66	64	62	58	57	55	51	48	43	42	40	32	35	35	21	29	24		19		89

267	6/4	Blast	2400	T1204	6	92	93	92	91	87	84	87	87	82	77	82	74	73	75	72	67	65	64	65	62	60	57	54	49	46	39	39	37	34	35	32	33	30	19	99
267	6/4	Blast	2400	T1205	6	91	92	95	94	84	83	88	83	82	83	82	78	79	77	72	69	67	67	66	64	62	59	56	53	50	45	41	39	34	35	35	32	29	22	100
267	6/4	Blast	2400	T1206	5	87	91	89	82	82	76	80	73	75	73	69	66	65	65	61	60	57	57	54	52	50	47	43	43	42	31	36	32	16	27	25		19		95
267	6/4	Blast	2400	T1207	7	91	94	96	93	83	85	88	85	87	86	83	82	79	77	73	71	68	67	67	65	63	60	57	53	51	47	43	41	37	36	35	36	32	25	101
267	6/4	Blast	2400	T1208	5	88	91	89	81	68	74	75	71	75	71	67	64	65	64	60	60	57	55	53	50	49	46	42	40	40	27	36	35	22	30	29		22		95
267	6/4	Blast	2400	T1209	6	88	91	88	83	77	76	78	77	74	73	68	64	64	61	58	58	55	55	51	49	48	46	41	40	39	31	36	34		30	26	21	23		95
267	6/4	Blast	2400	T1210	5	90	91	86	80	78	73	72	71	66	68	65	65	65	61	59	56	54	54	51	50	48	46	42	40	39	29	37	34		30	28		19		94
267	6/4	Blast	2400	T1211	6	87	90	89	82	79	72	77	72	71	70	67	66	64	63	59	59	56	56	53	51	49	47	41	42	40	31	37	33		27	27		23		94
267	6/4	Blast	2400	T1212	5	87	89	89	85	79	74	75	72	72	72	65	65	64	62	59	57	55	54	53	50	48	46	41	40	40	27	36	33		28	26		22		94
267	6/4	Blast	2400	T1213	8	89	93	97	94	85	84	80	83	83	81	81	81	79	72	70	68	65	63	62	61	59	56	52	49	45	39	40	39	33	35	31	32	31	16	101
267	6/4	Blast	2400	T1214	5	88	95	96	90	77	79	83	84	81	84	82	76	77	72	70	64	64	63	61	60	57	54	49	46	44	40	37	37	33	34	34	34	32	24	100
267	6/4	Blast	2400	T1214	14	54	69	74	73	68	68	69	73	79	72	69	67	66	62	60	60	57	55	54	52	49	47	42	41	39	26	35	32		27	19				83
267	6/4	Blast	2400	T1214	17	89	95	96	89	82	82	84	84	83	81	82	78	75	73	69	67	64	61	61	58	56	53	50	46	44	37	38	36	32	34	34	31	30	19	100
267	6/4	Blast	2400	T1215	6	90	94	93	89	90	84	84	82	82	85	83	81	79	73	71	73	68	68	67	65	63	60	58	56	53	49	46	42	36	35	33	30	29	19	99
267	6/4	Blast	2400	T1215	26	90	93	88	88	87	79	77	82	86	79	76	75	75	70	69	66	64	62	61	57	56	52	48	44	41	34	35	33	30	30	28	28	24	16	98
267	6/4	Blast	2400	T1216	4	84	91	95	93	88	80	79	81	79	80	80	76	75	69	67	65	64	61	58	56	53	49	46	43	42	34	37	36	32	33	32	31	31	19	99
267	6/4	Blast	2400	T1217	8	91	88	93	88	89	85	87	82	77	78	77	75	72	67	63	64	62	64	63	56	53	49	47	44	41	35	37	36	28	32	30	29	27		98
267	6/4	Blast	2400	T1218	6	91	86	92	86	87	84	81	72	75	78	77	71	70	65	65	65	64	61	59	55	51	49	43	41	41	28	40	42	27	40	46	29	27		97
267	6/4	Blast	2400	T1219	5	79	87	90	88	88	84	81	79	80	74	73	70	69	67	65	62	61	59	57	55	50	49	44	41	40	31	35	34	26	29	24	21	19		95
267	6/4	Blast	2400	T1219	16	81	87	88	85	85	82	86	87	80	77	74	74	75	72	67	63	65	65	63	59	53	49	45	42	41	34	38	37	27	31	28	22	25		95
267	6/4	Blast	2400	T1220	7	86	87	87	84	81	75	76	71	71	71	72	71	61	59	57	56	54	54	51	47	46	42	40	37	37	27	32	32		26	24	21	24		93
267	6/4	Blast	2400	T1221	5	84	88	87	86	73	65	68	70	66	68	68	66	62	57	56	56	53	52	50	47	44	42	36	38	36	24	30	32	22	25	21		16		93
267	6/4	Blast	2400	T1221	19	83	89	87	86	75	67	68	68	70	69	67	62	63	57	57	56	54	53	52	46	45	43	35	38	37		33	30		30	27		21		93
267	6/4	Blast	2400	T1222	8	87	88	88	86	78	72	76	76	70	66	68	67	65	60	58	57	54	53	51	48	46	44	39	41	40	19	37	35		30	24		19		93
267	6/4	Blast	2400	T1223	7	81	85	85	84	76	69	71	69	71	69	70	66	61	58	55	53	51	50	49	45	44	42	38	38	36		32	29		26	0		23		91
267	6/4	Blast	2400	T1224	8	82	86	86	84	77	72	67	71	69	71	69	67	61	58	57	56	53	53	52	48	46	44	38	39	39		37	33		30	24		26		91
267	6/4	Blast	2400	T1225	2	50	60	59	56	56	62	69	72	74	75	74	71	71	71	62	66	58	55	53	50	49	45	37	37	39	29	34	32	22	26	16		19		82
267	6/4	Blast	2400	T1225	6	85	86	86	81	70	66	69	70	69	69	67	64	63	59	54	53	49	48	46	42	41	41	31	36	36	16	33	29	33	29			22		91
267	6/4	Blast	2400	T1225	22	85	87	86	79	75	69	72	69	69	69	64	60	57	56	53	50	47	46	44	37	39	39	30	33	34		34	26		25					92
267	6/4	Blast	2400	T1226	3	57	61	61	58	60	63	69	72	74	78	78	78	74	63	67	68	62	63	65	62	59	58	53	50	46	41	39	35	24	29	28		21		85
267	6/4	Blast	2400	T1226	9	85	87	89	85	73	68	70	72	74	71	71	69	68	64	60	57	52	53	51	48	48	44	37	40	40	26	37	35		29	25		22		93

267	6/4	Blast	2400	T1227	9	85	86	88	84	72	68	67	65	72	69	68	67	66	60	62	59	53	52	50	47	46	44	37	40	38	23	36	34		28	25		26		92
267	6/4	Blast	2400	T1228	2	85	87	86	83	70	67	71	69	67	66	65	63	63	59	56	54	51	49	47	42	42	42	34	39	38	16	36	32		28	24		22		91
267	6/4	Blast	2400	T1229	2	71	76	78	76	69	75	77	76	73	78	79	74	66	67	70	68	64	67	66	64	59	56	50	47	44	35	36	35	19	29	27	22	16		87
267	6/4	Blast	2400	T1229	5	86	88	84	80	68	72	75	77	74	72	71	70	64	62	59	56	53	55	52	47	47	44	36	40	38	26	36	34		28	24		19	16	92
267	6/4	Blast	2400	T1229	14	71	76	76	67	68	69	72	70	73	74	73	65	73	70	66	65	62	62	62	61	56	56	51	47	45	38	37	37	19	27	24		19	19	84
267	6/4	Blast	2400	T1229	17	86	88	86	83	73	72	75	74	74	76	71	70	65	59	57	56	53	53	52	49	48	45	39	39	38	26	36	33	21	29	25		19		92
267	6/4	Blast	2400	T1230	5	87	89	89	86	77	71	79	77	72	67	71	64	62	63	56	56	50	50	48	44	44	42	38	39	38	32	34	34	23	31	26		23		94
267	6/4	Blast	2400	T1230	13	87	89	89	86	74	71	74	71	72	69	65	65	64	63	60	59	53	49	48	42	43	42	32	40	39	26	37	32		33	24		19		94
267	6/4	Blast	2400	T1231	7	85	87	86	82	71	67	70	69	66	65	60	59	57	55	52	51	48	48	46	41	42	40	32	38	35		33	30		27	19				92
267	6/4	Blast	2400	T1231	23	87	89	89	86	78	69	68	68	72	68	65	64	62	61	60	61	56	52	49	46	44	43	35	39	39	26	36	33	16	32	25		26		94
267	6/4	Blast	2400	T1232	7	86	88	86	82	72	68	69	69	73	72	69	62	62	55	54	53	48	48	48	45	44	42	40	37	38	21	36	33		31	25	16	22		92
267	6/4	Blast	2400	T1233	8	87	88	87	83	74	66	69	70	71	68	67	64	61	60	59	57	52	52	50	47	46	44	35	38	39	21	35	32		29	27		23		93
267	6/4	Blast	2400	T1234	6	88	90	89	83	76	77	78	82	81	78	77	71	65	68	63	60	54	55	54	51	51	47	43	42	41	30	36	35	16	31	26		25		95
267	6/4	Blast	2400	T1235	2	55	64	65	62	56	54	66	72	76	82	82	82	79	69	71	66	61	64	65	59	61	58	52	48	46	39	37	34	23	30	28	21	24		88
267	6/4	Blast	2400	T1235	8	85	87	85	77	65	60	66	62	63	60	60	56	58	54	49	48	44	43	43	41	41	40	23	35	35		33	30		25	19		22		91
267	6/4	Blast	2400	T1235	20	86	88	86	77	67	65	63	67	66	67	64	65	63	56	54	54	49	48	48	43	43	41	34	36	35	28	33	31		28	28		22		92
267	6/4	Blast	2400	T1236	5	84	86	87	83	72	70	71	73	69	66	64	61	62	60	56	54	52	51	49	47	46	44	38	38	39	24	36	34		29	24		23		92
267	6/4	Blast	2400	T1236	17	85	87	88	84	75	68	71	73	69	67	66	63	64	61	58	56	54	52	49	46	45	44	37	40	39	16	35	33		27	21		22		93
267	6/4	Blast	2400	T1237	4	86	89	88	84	76	70	69	70	69	67	63	63	61	61	57	55	53	52	50	46	44	42	38	36	37	16	32	27		25	26		16		93
267	6/4	Blast	2400	T1238	3	57	67	75	74	65	63	65	74	77	81	70	69	65	66	64	63	59	60	61	58	55	55	50	47	42	34	37	35	22	26	27		23		85
267	6/4	Blast	2400	T1238	6	88	90	88	80	69	63	68	69	68	67	68	67	62	58	56	54	50	51	49	47	47	45	39	40	39	22	36	34		29	23	22	23		94
267	6/4	Blast	2400	T1238	13	72	75	75	68	60	57	68	67	70	71	72	66	62	66	65	64	57	58	57	55	53	50	44	41	39	29	40	43	21	35	36		16		82
267	6/4	Blast	2400	T1238	16	88	90	88	81	69	65	69	69	68	70	71	67	63	59	57	52	49	49	48	46	45	43	36	40	39	27	38	40		33	33		24	16	94
267	6/4	Blast	2400	T1239	6	89	90	90	83	74	77	80	77	77	75	71	66	65	64	59	57	57	56	53	52	51	49	42	43	40	29	36	35	22	29	29		26		95
267	6/4	Blast	2400	T1240	7	86	88	86	81	69	62	65	68	71	68	64	62	59	56	54	52	51	50	48	46	45	42	36	36	36		33	29		23	24				92
267	6/4	Blast	2400	T1240	20	86	87	86	81	66	62	68	69	69	65	61	61	56	54	53	52	51	49	48	45	44	42	34	36	36		33	31		24			16		92
267	6/4	Blast	2400	T1241	8	86	88	87	82	71	67	65	69	69	69	71	68	63	58	58	56	54	53	52	49	48	46	40	40	39	23	36	32	16	28	27	16	22		93
267	6/4	Blast	2400	T1241	26	90	91	89	86	79	79	79	75	76	75	71	68	67	66	62	62	60	58	55	52	51	48	43	43	40	31	36	35	23	30	26	21	23		96

267	6/4	Blast	2400	T1242	4	89	89	89	85	75	70	75	78	78	74	71	65	68	63	59	60	56	56	54	51	49	47	44	41	39	29	36	34	21	28	27	16	29	16	95
267	6/4	Blast	2400	T1243	7	88	89	89	85	73	68	68	65	67	67	64	61	58	55	55	53	50	50	48	44	45	42	38	38	36	19	31	29	0	25	19		24		94
267	6/4	Blast	2400	T1244	3	60	64	60	56	53	57	62	66	72	75	77	78	76	69	64	70	63	58	58	54	51	46	44	39	36	27	34	34	21	27	22		21		84
267	6/4	Blast	2400	T1244	6	86	89	88	84	73	68	67	71	67	65	67	68	60	60	57	55	52	52	50	49	48	45	39	38	38	23	32	32	16	26	22		19		93
267	6/4	Blast	2400	T1245	4	87	88	88	83	77	74	74	67	68	73	68	68	63	60	58	56	55	53	51	48	47	45	40	40	40	19	33	33		29	26		23		93
267	6/7	Blast	2400	T782	7	60	62	61	66	65	60	61	62	62	59	58	54	55	52	48	49	43	47	45	42	43	42		38	37		35	34		29			27		73
267	6/7	Blast	2400	T782	17	57	62	63	70	63	63	61	60	59	56	56	53	55	53	50	48	42	47	46	38	45	43		38	39		38	33		30	17		24		74
267	6/7	Blast	2400	T783	3	50	49	50	51	54	57	57	60	62	64	62	58	57	56	53	53	53	51	51	50	48	46	38	38	37		34	33		27	17		17		70
267	6/7	Blast	2400	T783	6	59	57	63	67	67	62	60	61	59	58	55	53	52	50	49	48	41	47	46	40	45	42		40	37		36	36		30	23		20	20	73
267	6/7	Blast	2400	T783	18			48	48	47	56	56	56	62	62	63	59	60	57	52	54	51	51	50	49	48	46	39	37	38		33	32		22	17				70
267	6/7	Blast	2400	T783	21	64	59	65	64	60	63	62	62	60	58	54	54	53	51	48	49	44	47	45	39	45	42	30	38	38		38	35		29	23		24		72
267	6/7	Blast	2400	T784	7	66	64	63	67	66	64	65	64	62	61	58	55	56	53	50	49	45	48	47	42	44	43	33	39	39		38	34		22	17		17		75
267	6/7	Blast	2400	T784	28	67	68	64	65	64	64	62	62	61	58	58	54	54	52	49	48	46	48	47	42	45	43	38	40	38		37	34		23	25		17		75
267	6/7	Blast	2400	T785	7	60	66	70	66	63	60	63	64	62	61	56	56	57	55	50	50	45	48	46	41	45	43	33	40	38		37	34		33	23				75
267	6/7	Blast	2400	T786	6	69	68	67	64	63	67	63	64	64	61	59	55	58	55	51	51	46	49	47	43	45	45	29	40	39		37	34		30	17				76
267	6/7	Blast	2400	T786	19	50	48	47	49	54	48	51	55	55	57	58	56	56	53	47	49	45	47	46	44	43	41	22	38	37		34	32		30	23		17		66
267	6/7	Blast	2400	T786	22	66	67	65	63	68	68	64	64	62	63	60	56	58	54	52	52	50	50	48	44	46	44	36	41	39		35	34		31	26		25		76
267	6/8	Impact	1000	T76	4	73	74	72	64	66	69	68	63	64	58	62	64	57	50	48	47	45	46	45	39	41	40	33	37	36		38	36	36	38	24		16	13	80
267	6/8	Impact	1000	T77	4	75	78	78	74	68	69	67	67	63	61	63	60	58	54	49	48	46	45	44	42	40	38	25	32	34		31	27	37	44	26				83
267	6/8	Impact	1000	T77	7	74	76	74	70	66	68	70	62	59	56	56	54	52	50	47	45	41	44	42	36	38	38	25	34	32		30	23		32	16		22		81
267	6/8	Impact	1000	T77	15	75	77	76	67	67	71	68	66	59	66	62	61	59	54	51	49	47	47	45	43	42	39	28	37	38		34	31	40	48	28		19		82
267	6/8	Impact	1000	T77	18	72	78	78	72	66	72	69	62	61	61	59	59	57	55	50	48	46	45	45	42	41	40	29	35	35		37	37	39	47	26		13		83
267	6/8	Impact	1000	T78	4	72	72	74	71	68	66	67	62	58	62	61	60	54	51	50	47	45	47	45	41	41	40	24	36	35		35	29		29	22		21		80
267	6/8	Impact	1000	T78	18	78	81	79	77	71	67	69	66	67	66	66	64	60	56	55	53	51	51	49	46	45	42	34	37	37		35	33		26	22		21		86
267	6/16	Blast	2400	T775	1	52	67	67	69	67	75	74	74	78	73	68	62	60	56	54	54	37	56	55		52	52		50	50		49	45		45			34		83
267	6/16	Blast	2400	T775	5	79	81	81	82	86	86	75	73	74	69	74	71	67	68	64	61	55	60	57	45	54	55	36	50	53		53	48		40	31				91
267	6/16	Blast	2400	T775	7	73	77	80	80	76	74	69	62	66	63	60	63	60	50	59	57	40	55	51	48	51	48	0	49	49		50	45		39	34		31		85
267	6/16	Blast	2400	T776	4	78	81	86	84	88	90	86	87	87	81	77	82	74	73	65	67	67	64	64	61	58	57	45	53	52	34	52	47		44	40		40		96
267	6/16	Blast	2400	T776	8	79	81	86	85	90	90	86	88	85	83	74	79	75	72	66	65	61	62	62	57	58	57	49	53	53		52	51		43	40		36		97
267	6/16	Blast	2400	T777	2	80	82	84	84	88	89	89	90	90	87	79	81	79	72	67	65	64	63	62	56	58	57	56	52	53		52	49		42	41		37		98
267	6/16	Blast	2400	T778	2	64	69	75	73	75	80	79	79	80	72	69	72	68	61	60	59	50	56	57	49	56	55		51	51		53	47		46	34		38		87

267	6/16	Blast	2400	T779	2	70	71	70	77	77	83	80	81	82	78	72	72	68	62	61	60	51	58	57	51	56	55	44	50	52		50	47		41	31		37		89
267	6/16	20 mm	5500	T780	8	61		49	62	62	70	72	76	76	75	71	63	61	58	61	58	48	58	57	53	56	53		49	47		53	45		36	34		37		82
267	6/16	20 mm	5500	T780	12			52	61	67	68	72	76	78	79	76	65	65	62	61	57	51	57	58	0	57	56	49	50	50		52	45		38			31		84
267	6/16	Impact	6400	T781	5	81	92	91	92	94	91	90	86	85	88	84	83	80	75	69	67	63	66	65	60	59	59	50	54	54		50	47		43	39		36		101

Table D 11. Summary data for passive vehicles on Fort Stewart ,GA, 2000. RCW response 0 = no visible response, 1 = alert to cavity mouth, and 2 = flush from cavity.

CL	Date	Nesting Phase & Day	Event Type	Event Dist. (m)	RCW Response	Recovery time (min)	Remarks	Mic Pos.	File #	Spec. #	SEL (dB) at mic Flat	A
	11-Jul-00		Brad/tank loading	30				Base	T1077	30	70.9	86.0
6	05-May-00	I-5	truck	225	0			Base	T975	30	83.5	62.2
6	09-May-00	I-9	trucks	264	0			Base	T546	30	86.7	64.0
8	19-May-00	N-19	Hummv	20				Base	T41	30	97.3	83.1
8	19-May-00	N-19	Hummv	20				Base	T42	30	101.9	88.5
8	19-May-00	N-19	Hummv	20				Base	T45	30	93.3	80.3
12	08-May-00	I-10	dump truck	0	0			Base	T999	8	97.1	51.4
12	12-May-00	N-4	Dump truck	40	0			Base	T301	30	84.9	67.8
13	12-May-00	I-8	Hummv	40	0			Base	T705	30	77.5	61.4
23	16-May-00	I-6	truck	15	2	2.95		Base	T882	30	75.6	63.3
47	10-Apr-00	Pre-nesting	trucks	35				Base	T843	30	104.5	95.0
47	10-Apr-00	Pre-nesting	trucks	35				Base	T844	30	101.0	84.2
47	10-Apr-00	Pre-nesting	trucks	35				Base	T845	30	105.8	90.8
47	10-Apr-00	Pre-nesting	trucks	35				Base	T846	30	107.1	91.6
47	10-Apr-00	Pre-nesting	trucks	35				Base	T847	30	107.0	90.4
57	28-Apr-00	I-1	Graders	50	0			Base	T672	30	88.3	78.7
57	28-Apr-00	I-1	Graders	50	0			Base	T673	30	87.9	79.9
57	28-Apr-00	I-1	Graders	50	0			Base	T674	30	86.0	74.7
57	28-Apr-00	I-1	Graders	50	0			Base	T675	30	90.6	79.5
57	28-Apr-00	I-1	Graders	50	0			Base	T676	30	90.3	80.9
57	28-Apr-00	I-1	Graders	50	0			Base	T677	30	88.3	80.0
57	28-Apr-00	I-1	Graders	50	0			Base	T678	30	89.8	82.3
57	28-Apr-00	I-1	Graders	50	0			Base	T679	30	84.6	77.2
57	03-May-00	I-7	vehicle	50	0			Base	T20	30	86.9	71.6
57	03-May-00	I-7	vehicle	50	0			Base	T21	30	89.0	71.9
57	03-May-00	I-7	vehicle	50	0			Base	T22	30	85.2	72.8
57	03-May-00	I-7	dump truck	50	0			Base	T23	30	93.6	70.3
57	03-May-00	I-7	Hummv	50	0			Base	T24	30	85.8	70.0
62	08-May-00	I-10	Brad veh	180	0			Base	T979	30	71.8	70.4
62	08-May-00	I-10	Brad veh	180	0			Base	T980	30	75.7	75.1
62	08-May-00	I-10	Brad veh	180	0			Base	T981	30	74.9	74.3
82	24-May-00	I-7	Graders	92	0			Base	T535	30	81.9	65.5
82	24-May-00	I-7	Graders	92	0			Base	T536	30	84.2	66.6
82	24-May-00	I-7	Graders	92	0			Base	T537	30	87.8	66.7
82	24-May-00	I-7	Graders	92	0			Base	T538	30	87.1	78.6
82	24-May-00	I-7	Graders	92	0			Base	T539	30	89.5	78.9
82	24-May-00	I-7	Graders	92	0			Base	T540	30	87.4	75.6

83	04-May-00	N-3	truck	30	0			Base	T303	30	84.5	76.8
83	04-May-00	N-3	truck	30	0			Base	T304	30	81.6	76.6
83	04-May-00	N-3	truck	30	0			Base	T305	30	81.8	75.9
83	16-Jun-00	Post-fledling	M-88	30				Base	T1189	30	101.4	95.7
83	16-Jun-00	Post-fledling	Brad veh	30				Base	T1190	30	101.4	88.5
83	16-Jun-00	Post-fledling	Brad veh	30				Base	T1191	30	104.6	92.4
83	16-Jun-00	Post-fledling	trucks	30				Base	T1194	30	114.6	98.4
83	16-Jun-00	Post-fledling	Brad veh	30				Base	T1195	30	111.3	95.8
83	16-Jun-00	Post-fledling	Brad veh	30				Base	T1196	30	116.4	101.8
88	11-Apr-00	Pre-nesting	trucks	670				Base	T824	30	95.3	80.9
139	11-May-00	I-7	Logging truck	34-138	0			Base	T508	30	92.9	83.0
139	11-May-00	I-7	Logging truck	34-138	0			Base	T510	30	86.4	73.5
152	07-Jun-00	N-20	truck	50				Base	T86	30	90.7	77.4
152	08-Jun-00	N	truck	50				Base	T963	30	74.8	60.4
197	02-May-00	I-6	trucks	30	0			Base	T1254	5	75.1	65.0
197	02-May-00	I-6	trucks	30	0			Base	T1254	6	70.1	60.4
197	02-May-00	I-6	trucks	30	0			Base	T1254	7	67.2	58.3
197	22-May-00	I-6	trucks	30	0			Base	T1254	1	57.8	51.2
197	22-May-00	I-6	trucks	30	0			Base	T1254	2	71.7	65.9
197	12-Jun-00	I-6	trucks	30	0			Base	T1254	3	79.1	72.2
197	12-Jun-00	I-6	trucks	30	0			Base	T1254	4	79.0	69.9
206	25-May-00	I-3	truck	100	0			Base	T526	30	95.3	80.3
206	25-May-00	I-3	truck	100	0			Base	T527	30	94.1	79.2
206	25-May-00	I-3	truck	100	0			Base	T529	30	95.5	79.0
206	25-May-00	I-3	truck	100	0			Base	T530	30	96.9	80.8
206	25-May-00	I-3	truck	100	0			Base	T531	30	98.5	79.2
207	02-May-00	I-5	trucks	392	0			Base	T598	30	78.5	62.3
207	02-May-00	I-5	dump truck	392	0			Base	T599	30	76.1	54.1
216	08-May-00	I-4	Brad veh	30	0			Base	T791	30	101.0	90.4
216	08-May-00	I-4	Brad veh	30	0			Base	T792	30	103.6	92.0
216	08-May-00	I-4	Brad veh	30	0			Base	T793	30	102.1	89.2
216	08-May-00	I-4	Brad veh	30	0			Base	T794	30	103.3	89.1
216	08-May-00	I-4	Brad veh	30	0			Base	T795	30	103.5	89.2
216	08-May-00	I-4	Brad veh	30	0			Base	T796	30	102.7	88.9
216	08-May-00	I-4	Brad veh	30	0			Base	T798	10	78.3	68.0
216	08-May-00	I-4	Brad veh	30	0			Base	T798	30	103.0	91.8
216	08-May-00	I-4	Brad veh	30	0			Base	T799	30	92.2	79.3
216	08-May-00	I-4	Brad veh	30	0			Base	T800	30	102.2	90.6
216	08-May-00	I-4	Brad veh	30	0			Base	T801	30	100.2	90.3

216	08-May-00	I-4	LMTV	30	0			Base	T802	30	82.5	77.2
216	08-May-00	I-4	Brad veh	30	0			Base	T804	30	101.9	90.3
216	08-May-00	I-4	Brad veh	30	0			Base	T805	30	104.6	94.9
216	08-May-00	I-4	Brad veh	30	0			Base	T806	30	102.9	90.1
216	08-May-00	I-4	Brad veh	30	0			Base	T807	30	100.3	90.3
216	08-May-00	I-4	Brad veh	30	0			Base	T808	30	99.0	87.8
216	08-May-00	I-4	Brad veh	30	0			Base	T809	30	100.8	88.8
216	08-May-00	I-4	Brad veh	30	0			Base	T810	30	104.0	92.1
216	08-May-00	I-4	Brad veh	30	0			Base	T811	30	103.8	91.8
216	08-May-00	I-4	Brad veh	30	0			Base	T812	30	102.6	90.7
216	08-May-00	I-4	Brad veh	30	0			Base	T813	30	104.9	92.4
216	08-May-00	I-4	Brad veh	30	0			Base	T814	30	101.1	94.9
216	08-May-00	I-4	Brad veh	30	0			Base	T815	30	107.4	97.7
216	08-May-00	I-4	Brad veh	30	0			Base	T816	30	100.5	85.7
216	08-May-00	N-4	truck	30	0			Base	T1185	30	109.9	71.4

Table D 12. Representative unweighted noise spectra for passive vehicles on Fort Stewart, GA, 2000.

CL	Date	Event Type	Event Dist. (m)	File #	Spec. #	Band SEL (dB) at 1/3 Octave Spectrum Center Frequencies (Hz)																																			Calc. Overa SEL
						10	13	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	
	7/11	Brad/tank	30	T1077	30	82	83	85	87	85	84	89	85	83	83	86	83	84	86	81	79	82	77	79	75	74	73	72	71	73	72	69	63	60	59	55	55	42	34	97
6	5/5	trucks	225	T975	30	63	72	65	68	76	71	73	71	72	77	76	56	52	50	47	46	46	49	50	51	52	51	50	48	46	41	40	44	17	30	24		18		83
6	5/9	trucks	264	T546	30	53	56	59	58	61	62	62	63	84	84	63	58	52	47	48	48	50	48	48	50	51	49	47	45	42	34	37	35	37	46	31		20	27	87
8	5/19	Hummv	20	T41	30	57	63	70	73	78	77	90	93	83	89	88	85	81	77	67	61	63	65	69	69	73	72	71	74	75	71	68	64	59	56	51	48	40	19	97
8	5/19	Hummv	20	T42	30	56	63	64	69	71	71	77	82	92	81	91	101	86	81	76	65	69	68	70	71	73	75	79	76	75	75	73	70	68	64	64	57	46	32	102
8	5/19	Hummv	20	T45	30	56	63	68	72	72	75	78	90	81	82	87	81	81	77	67	60	62	64	67	68	68	70	68	69	71	69	67	64	59	57	52	48	39	17	93
12	5/8	Dump truck	40	T999	8	65	65	65	65	64	64	65	65	64	62	59	50	49	46	43	42	37	42	42	41	42	42	39	38	36	22	32	29	9	24	19		16		75
12	5/12	Dump truck	40	T301	30	54	52	56	59	60	59	60	63	83	80	63	69	67	68	61	56	53	54	54	56	59	57	56	55	55	50	49	45	26	37	29		27	10	85
13	5/12	Hummv	40	T705	30	57	59	57	58	59	60	63	62	62	72	74	60	62	60	60	56	52	51	51	50	48	46	44	43	42	40	42	42	36	34	28		18	34	77
23	5/16	truck	15	T882	30	55	55	63	69	66	65	68	65	65	65	58	59	57	51	58	55	47	57	55	48	53	53	40	50	49	22	52	56	27	42	35		31		76
47	4/10	trucks	35	T843	30	66	69	70	71	76	79	87	82	83	103	92	82	86	79	80	76	77	79	81	83	85	85	86	87	86	82	76	73	66	56	54	50	47	46	104
47	4/10	trucks	35	T844	30	61	63	68	74	75	81	82	85	99	95	88	82	80	77	72	74	75	76	80	76	74	74	68	65	59	53	48	47	46	46	45	40	44	38	101
47	4/10	trucks	35	T845	30	60	65	68	72	79	83	90	95	102	98	99	92	88	88	81	79	78	78	81	80	80	80	80	81	78	75	73	68	62	56	50	46	45	44	106
47	4/10	trucks	35	T846	30	59	63	67	72	79	83	87	94	106	93	94	95	90	90	83	80	79	79	80	79	80	82	81	82	79	77	74	72	65	59	52	46	42	44	107
47	4/10	trucks	35	T847	30	63	65	66	70	80	83	84	91	105	92	99	98	87	86	80	76	74	79	82	78	79	80	79	77	76	74	70	66	62	59	51	45	42	42	107
57	4/28	Graders	50	T672	30	57	48	62	62	60	67	75	68	76	85	76	80	75	72	75	70	70	67	66	67	68	69	70	68	67	62	60	57	44	48	40		33	20	88
57	4/28	Graders	50	T673	30	60	59	64	63	59	67	74	68	76	83	79	81	73	71	72	68	68	67	68	68	69	71	71	70	70	65	62	60	44	50	42		36	26	88
57	4/28	Graders	50	T674	30	66	61	64	64	61	67	74	69	78	76	81	78	70	69	68	64	61	64	63	63	64	64	63	65	66	54	56	54	30	45	36		36	23	86
57	4/28	Graders	50	T675	30	60	52	62	62	59	69	75	70	81	75	88	81	72	73	73	68	67	69	67	70	70	70	70	68	65	63	62	57	32	48	39		34	20	91
57	4/28	Graders	50	T676	30	58	55	62	61	60	71	73	71	84	76	86	81	71	74	74	69	68	70	68	70	71	72	72	71	68	66	65	62	43	50	41		35	20	90
57	4/28	Graders	50	T677	30	61	56	63	60	59	70	72	69	85	77	80	77	70	74	74	68	67	68	68	69	71	72	72	69	67	63	61	60	29	47	39		37	20	88
57	4/28	Graders	50	T678	30	75	73	71	70	67	69	75	70	81	84	78	80	73	73	74	73	69	68	68	71	74	73	75	72	70	68	65	61	47	51	41		34	61	90
57	4/28	Graders	50	T679	30	60	54	63	59	55	66	72	67	77	80	73	73	70	68	68	68	61	63	63	65	68	68	70	67	65	61	59	57	27	45	37		35	27	85
57	5/3	vehicle	50	T20	30	56	50	58	57	65	59	66	66	63	74	86	75	65	64	60	57	53	56	57	58	60	60	60	60	58	57	56	51	43	43	35		29	14	87
57	5/3	vehicle	50	T21	30	55	50	56	61	61	63	66	65	71	87	83	71	67	62	61	57	52	56	57	59	60	60	61	59	60	59	57	53	44	44	35	36	32	14	89

57	5/3	vehicle	50	T22	30	53	52	59	64	58	63	68	68	80	81	76	72	69	66	65	61	60	59	60	63	62	62	62	63	62	59	57	54	46	47	41	35	34		85
57	5/3	dump truck	50	T23	30	54	48	59	63	64	65	69	80	93	84	65	70	65	67	57	57	53	56	56	54	56	57	54	57	56	50	51	47		44	35		31		94
57	5/3	Hummv	50	T24	30	58	59	59	59	59	62	64	69	71	83	79	75	74	68	65	64	60	58	58	56	56	55	56	56	55	54	52	51	49	47	44	41	32	14	86
62	5/8	Brad veh	180	T979	30	48		53	49		53	51	55	64	56	54	60	53	43	51	51	43	55	57	59	61	62	63	62	60	55	52	49	36	37	31		27		72
62	5/8	Brad veh	180	T980	30	50		52	51		53	52	58	65	62	63	59	55	49	54	52	47	58	60	62	63	67	67	68	65	61	58	54	33	41	34		29	12	76
62	5/8	Brad veh	180	T981	30	49	33	52	50		52	49	57	61	58	65	60	55	46	52	51	47	56	58	60	62	66	68	65	64	62	59	56	42	46	43		29	12	75
82	5/24	Graders	92	T535	30	57	56	56	60	64	73	78	77	66	65	63	63	58	54	48	47	50	50	51	54	60	58	55	54	52	48	43	43	51	41	30	6	21	44	82
82	5/24	Graders	92	T536	30	57	56	56	60	66	74	80	78	76	69	68	66	61	57	52	49	50	51	52	54	62	59	55	54	52	49	46	43	50	41	32	21	22	42	84
82	5/24	Graders	92	T537	30	52	54	56	57	67	75	79	85	80	70	74	68	61	56	50	49	51	54	54	56	58	56	57	54	51	51	48	44	50	42	32	2	22	33	88
82	5/24	Graders	92	T538	30	54	57	58	62	59	70	75	69	80	81	73	81	73	65	61	56	58	61	64	68	70	71	71	69	65	61	59	57	56	52	43	37	31	41	87
82	5/24	Graders	92	T539	30	55	56	59	61	60	73	76	74	86	82	73	81	73	65	60	56	58	61	65	68	69	71	71	69	67	62	59	57	56	51	44	38	32	23	90
82	5/24	Graders	92	T540	30	52	53	56	59	60	66	80	74	80	83	71	77	69	60	56	54	57	58	62	64	66	67	68	65	65	60	56	53	55	49	39	31	29	16	87
83	5/4	truck	30	T303	30	58	56	61	63	66	65	67	73	79	75	77	72	72	70	67	64	59	60	60	67	65	67	69	68	65	62	62	62	58	54	48	30	35	15	84
83	5/4	truck	30	T304	30	54	49	56	58	61	62	70	67	63	76	71	70	73	67	63	59	55	58	59	66	65	67	69	67	67	62	61	63	57	54	49	46	36	22	82
83	5/4	truck	30	T305	30	63	60	62	61	61	61	71	70	64	76	71	69	73	68	64	61	58	59	60	67	64	66	68	65	66	62	61	61	57	53	46	24	34	21	82
83	6/16	M-88	30	T1189	30	55	58	63	66	74	77	95	95	84	108	99	99	98	95	86	81	81	79	78	80	82	85	85	84	85	82	80	79	77	82	77	67	58	45	110
83	6/16	Brad veh	30	T1190	30	55	57	62	64	68	76	82	86	94	93	97	89	86	86	88	80	76	79	75	74	75	77	77	77	76	74	74	68	65	62	59	53	44	30	101
83	6/16	Brad veh	30	T1191	30	59	61	64	63	68	85	82	80	94	95	86	102	94	88	88	82	80	76	78	76	78	84	80	79	79	78	75	74	70	66	62	56	46	34	105
83	6/16	trucks	30	T1194	30	68	66	66	69	75	79	94	97	85	108	101	112	105	94	84	86	86	78	76	73	74	80	70	73	68	63	59	58	56	58	54	51	48	45	115
83	6/16	Brad veh	30	T1195	30	52	54	60	64	67	75	82	86	94	95	101	109	105	87	86	74	70	69	66	62	67	75	64	69	63	59	53	52	51	48	48	46	43	35	111
83	6/16	Brad veh	30	T1196	30	64	62	63	64	70	81	80	79	94	93	91	115	110	89	82	85	98	83	86	80	80	81	74	73	69	66	63	61	59	57	56	55	53	52	116
88	4/11	trucks	670	T824	30	66	70	74	78	78	83	87	86	92	82	79	81	77	74	71	72	72	75	75	74	72	71	62	64	62	48	59	56		48	42		40	56	95
139	5/11	Logging truck	34-138	T508	30	56	59	62	67	71	75	79	78	81	87	85	79	79	82	83	79	77	69	70	71	70	71	71	70	70	69	68	66	62	59	56	46	39	23	93
139	5/11	Logging truck	34-138	T510	30	53	43	56	55	61	61	61	61	77	85	71	66	75	70	67	63	59	61	61	63	64	64	64	62	60	57	53	49	37	40	33	13	29	13	86
152	6/7	truck	50	T86	30	64	63	64	65	72	76	77	75	81	83	83	87	76	67	62	60	59	61	62	67	69	67	67	65	65	62	59	55	45	44	35		30	16	91
152	6/8	truck	50	T963	30	50	53	55	59	63	61	64	63	66	66	62	68	67	55	47	45	42	44	45	46	48	51	50	49	47	37	42	42	19	31	23		18	10	75
197	5/2	trucks	30	T1254	5	42	44	42	46	58	55	61	62	63	66	70	64	64	64	63	62	58	62	55	53	54	51	50	50	45	42	40	38	37	36	34	30	21	2	75
197	5/2	trucks	30	T1254	6	41	42	43	48	55	53	59	58	57	59	63	59	59	60	56	55	54	56	51	51	49	48	46	46	42	41	38	37	36	35	33	30	27		70
197	5/2	trucks	30	T1254	7	41	40	42	45	52	51	54	57	57	57	58	57	56	57	53	52	52	55	49	49	47	47	43	43	40	41	37	36	36	34	32	27	22		67
197	5/22	trucks	30	T1254	1	25		22	24	32	31	39	42	45	44	51	46	48	48	44	45	48	46	44	41	37	38	39	38	37	35	30	28	29	25	25	16	9		58
197	5/22	trucks	30	T1254	2	23	39	36	38	50	48	51	55	56	56	64	60	62	62	59	59	62	58	57	55	52	56	56	54	53	49	45	43	43	41	42	39	29	12	72
197	6/12	trucks	30	T1254	3	46	47	44	47	55	52	58	63	63	64	74	68	69	69	65	66	62	65	63	61	60	64	63	60	59	54	51	49	48	47	47	44	35	14	79

197	6/12	trucks	30	T1254	4	45	48	44	48	58	54	58	62	66	69	74	68	67	70	67	64	59	66	62	60	57	60	58	56	53	48	45	43	42	40	39	36	27	10	79
206	5/25	truck	100	T526	30	59	61	63	64	82	77	76	81	92	89	82	85	77	72	73	66	63	66	64	67	71	72	71	71	66	64	62	58	50	47	39		33	39	95
206	5/25	truck	100	T527	30	55	58	63	62	79	75	79	80	92	85	81	84	77	72	69	67	64	66	65	67	69	71	70	68	66	63	61	57	48	46	37		31	17	94
206	5/25	truck	100	T529	30	56	58	64	63	67	77	76	83	93	84	80	89	81	70	69	65	62	61	62	65	68	69	68	68	65	62	60	55	44	45	37		31	38	95
206	5/25	truck	100	T530	30	56	58	61	61	71	79	76	90	93	83	84	90	81	73	72	67	63	64	63	68	70	68	72	70	67	65	61	58	50	48	40	12	32	21	97
206	5/25	truck	100	T531	30	55	56	60	60	66	78	74	84	97	79	78	90	79	70	71	65	62	62	62	63	66	69	67	66	64	61	59	54	43	45	37		32	18	98
207	5/2	trucks	392	T598	30	57	57	56	57	61	63	63	66	76	72	65	58	54	50	51	50	49	52	49	52	55	51	52	53	48	43	40	36	27	32	30	26	21	32	79
207	5/2	dump truck	392	T599	30	51	51	53	53	55	54	56	72	67	72	54	47	45	45	47	46	42	43	41	37	40	40	39	42	37	18	34	32	34	41	29	14	18	26	76
216	5/8	Brad veh	30	T791	30	51	56	59	63	69	80	76	89	97	83	85	95	91	86	87	82	76	75	76	77	80	82	81	78	78	76	73	70	67	64	60	54	44	32	101
216	5/8	Brad veh	30	T792	30	56	61	63	67	74	82	85	85	100	93	90	96	94	90	87	83	81	78	79	78	81	84	81	80	79	78	75	71	67	62	57	51	44	34	104
216	5/8	Brad veh	30	T793	30	54	55	60	63	68	80	82	82	89	100	84	88	95	83	84	81	78	76	76	76	77	79	78	78	77	75	72	68	65	61	57	54	46	30	102
216	5/8	Brad veh	30	T794	30	54	58	62	64	69	79	80	81	96	101	87	92	93	85	83	81	77	74	76	75	77	80	78	76	77	76	71	69	63	57	52	48	42	31	103
216	5/8	Brad veh	30	T795	30	53	57	60	64	67	75	81	80	84	103	90	86	91	83	85	80	77	74	75	78	77	80	80	78	77	76	71	68	63	56	52	46	39	30	103
216	5/8	Brad veh	30	T796	30	57	55	61	65	67	77	80	79	87	102	85	85	91	83	83	80	77	75	80	77	78	80	78	78	75	74	69	66	61	57	52	47	41	27	103
216	5/8	Brad veh	30	T798	10	44	44	45	46	49	56	62	60	61	74	63	65	73	62	66	59	54	53	54	56	56	58	59	57	55	54	49	45	39	34	25		21	17	78
216	5/8	Brad veh	30	T798	30	56	59	61	64	69	80	84	82	91	101	87	86	92	85	88	83	79	81	79	80	81	83	82	81	80	78	74	70	65	60	54	49	42	34	103
216	5/8	Brad veh	30	T799	30	52	47	57	58	62	71	75	71	74	90	80	76	83	74	77	71	66	66	66	69	69	69	69	68	65	63	60	56	52	47	40	27	32	21	92
216	5/8	Brad veh	30	T800	30	55	56	60	65	71	82	77	94	92	86	95	96	94	88	87	82	79	77	79	77	79	82	79	78	77	75	72	68	63	59	54	53	43	32	102
216	5/8	Brad veh	30	T801	30	56	57	60	62	70	79	78	90	94	87	88	95	88	87	86	82	78	78	77	76	80	81	80	79	79	77	74	71	66	61	55	49	41	35	100
216	5/8	LMTV	30	T802	30	53	50	55	57	59	62	69	67	72	76	73	67	74	68	66	60	58	59	58	67	64	65	71	67	66	65	64	60	56	52	46	34	33	17	83
216	5/8	Brad veh	30	T804	30	58	59	63	62	69	80	79	89	98	85	87	96	91	88	86	82	80	78	78	78	80	80	80	78	78	75	73	69	64	60	54	49	41	31	102
216	5/8	Brad veh	30	T805	30	55	57	62	64	72	83	81	90	101	87	89	99	91	94	90	86	84	81	82	82	84	84	84	84	84	82	79	76	72	67	61	56	46	38	105
216	5/8	Brad veh	30	T806	30	55	53	59	61	70	78	79	81	96	100	84	91	93	87	83	82	79	79	78	76	78	79	79	79	79	77	74	71	67	63	57	51	42	34	103
216	5/8	Brad veh	30	T807	30	55	54	59	60	68	82	79	82	97	84	86	93	86	89	86	82	80	79	78	78	79	80	80	80	79	77	74	71	66	60	54	48	41	32	100
216	5/8	Brad veh	30	T808	30	60	60	61	63	70	81	78	81	94	90	85	93	88	86	82	79	78	76	76	74	76	78	77	76	75	74	71	69	64	59	53	47	39	46	99
216	5/8	Brad veh	30	T809	30	55	57	62	62	71	81	80	82	98	87	86	94	89	85	83	80	78	78	77	76	77	79	77	77	77	75	73	70	65	61	56	49	41	32	101
216	5/8	Brad veh	30	T810	30	57	58	62	65	72	82	82	85	101	92	87	97	91	92	89	85	83	81	81	79	81	82	80	80	80	77	74	71	67	63	58	52	44	35	104
216	5/8	Brad veh	30	T811	30	55	58	61	63	70	82	80	81	99	99	85	95	92	91	87	84	82	80	83	79	81	82	81	79	79	77	73	70	65	61	55	50	42	34	104
216	5/8	Brad veh	30	T812	30	54	55	58	65	71	78	83	87	98	95	87	94	95	88	84	82	81	78	77	77	80	81	80	79	79	77	74	71	66	60	54	49	41	31	103

216	5/8	Brad veh	30	T813	30	55	59	61	65	72	81	82	84	98	102	87	93	94	89	88	84	83	81	81	81	81	82	81	80	80	79	75	72	67	63	57	52	43	38	105
216	5/8	Brad veh	30	T814	30	57	58	62	66	72	78	78	83	94	93	88	89	88	89	94	88	82	81	79	80	79	80	84	87	84	84	83	81	76	71	65	58	47	48	101
216	5/8	Brad veh	30	T815	30	56	60	66	69	76	81	81	98	94	93	104	96	93	98	93	86	85	83	84	83	85	88	87	87	88	85	83	80	78	74	77	65	52	39	107
216	5/8	Brad veh	30	T816	30	57	56	63	64	70	72	73	86	79	86	99	91	81	82	76	72	68	66	68	73	74	73	75	74	73	71	70	67	65	61	58	54	43	26	100
216	5/8	truck	30	T1185	30	37		41	36		42	42	42	48	52	52	49	54	49	47	44	45	48	49	58	57	59	65	63	62	59	58	57	54	52	46	40	31	17	71

Table D 13. Summary data for passive missiles on Fort Stewart, GA, 2000. RCW response 0 = no visible response, 1 = alert to cavity mouth, and 2 = flush from cavity.

Cluster	Date	Nesting Phase & Day	Event Type	Event Dist. (m)	RCW Response	Recovery time (min)	Remarks	Mic Pos.	File #	Spec. #	SEL (dB) at mic Flat	A
83	15-May-00	N-15	Missiles	2000-4000				Base	T1330	3	85.8	67.6
83	15-May-00	N-15	Missiles	2000-4000				Base	T1330	9	77.8	64.9
83	15-May-00	N-15	Missile	2000-4000				Base	T1331	3	82.6	57.9
83	15-May-00	N-15	Impact	2000-4000				Base	T1331	11	82.1	58.2
83	15-May-00	N-15	Missile	2000-4000				Base	T1332	3	78.5	67.8
83	15-May-00	N-15	Missile	2000-4000				Base	T1332	11	74.6	62.4
83	15-May-00	N-15	Missile	2000-4000				Base	T1332	17	78.6	66.5
83	15-May-00	N-15	Missile	2000-4000				Base	T1332	24	73.1	62.3
83	15-May-00	N-15	Missile	2000-4000				Base	T1332	30	83.0	60.1
83	15-May-00	N-15	Missile	2000-4000				Base	T1333	4	83.8	60.5
83	15-May-00	N-15	Missile	2000-4000				Base	T1333	18	76.6	51.5
83	15-May-00	N-15	Missile	2000-4000				Base	T1335	5	77.4	67.7
83	15-May-00	N-15	Missile	2000-4000				Base	T1335	30	80.2	67.5
83	15-May-00	N-15	Impact	2000-4000				Base	T1336	5	84.0	64.4
83	15-May-00	N-15	Missile	2000-4000				Base	T1337	3	73.2	65.0
83	15-May-00	N-15	Missile	2000-4000				Base	T1337	15	75.2	59.7
83	15-May-00	N-15	Missile	2000-4000				Base	T1337	23	84.7	63.4
83	15-May-00	N-15	Missile	2000-4000				Base	T1340	2	76.4	65.0
83	15-May-00	N-15	Missile	2000-4000				Base	T1340	17	78.2	68.1
83	16-May-00	N-16	Missile	2000-4000				Base	T4	4	82.2	72.7
83	16-May-00	N-16	Missile	2000-4000				Base	T46	13	64.8	59.1
83	16-May-00	N-16	Missile	2000-4000				Base	T46	20	89.8	63.7
83	16-May-00	N-16	Missile	2000-4000				Base	T47	4	82.5	65.7
83	16-May-00	N-16	Missile	2000-4000				Base	T47	11	78.3	64.3
83	16-May-00	N-16	Missile	2000-4000				Base	T47	15	72.7	71.2
83	16-May-00	N-16	Missile	2000-4000				Base	T49	4	81.3	69.5
83	16-May-00	N-16	Missile	2000-4000				Base	T49	13	79.9	64.7
83	16-May-00	N-16	Missile	2000-4000				Base	T49	20	92.8	69.6
83	16-May-00	N-16	Missile	2000-4000				Base	T50	5	81.1	68.3
83	16-May-00	N-16	Missile	2000-4000				Base	T50	11	75.8	63.2
83	16-May-00	N-16	Missile	2000-4000				Base	T50	18	91.2	69.6
83	16-May-00	N-16	Missile	2000-4000				Base	T51	6	77.5	64.7
83	16-May-00	N-16	Missile	2000-4000				Base	T52	3	80.8	67.5
83	16-May-00	N-16	Missile	2000-4000				Base	T53	6	79.8	68.4

83	16-May-00	N-16	Missile	2000-4000				Base	T54	5	79.6	69.2
83	16-May-00	N-16	Missile	2000-4000				Base	T54	10	80.0	64.6
83	16-May-00	N-16	Impact	2000-4000				Base	T55	4	84.4	60.8
83	16-May-00	N-16	Missile	2000-4000				Base	T56	5	80.6	68.6
83	16-May-00	N-16	Missile	2000-4000				Base	T56	16	78.1	65.6
83	16-May-00	N-16	Impact	2000-4000				Base	T57	4	86.2	60.3
83	16-May-00	N-16	Missile	2000-4000				Base	T58	5	81.1	67.8
83	16-May-00	N-16	Missile	2000-4000				Base	T59	17	84.3	72.5
83	16-May-00	N-16	Missile	2000-4000				Base	T59	25	91.0	64.9
83	16-May-00	N-16	Missile	2000-4000				Base	T60	4	79.1	68.4
83	16-May-00	N-16	Missile	2000-4000				Base	T60	13	76.0	60.3
83	16-May-00	N-16	Missile	2000-4000				Base	T60	21	90.2	67.5
83	16-May-00	N-16	Missile	2000-4000				Base	T61	5	83.0	66.5
83	16-May-00	N-16	Missile	2000-4000				Base	T61	15	78.7	65.9
83	16-May-00	N-16	Impact	2000-4000				Base	T62	4	77.4	54.5
83	16-May-00	N-16	Missile	2000-4000				Base	T65	4	79.9	66.4
83	16-May-00	N-16	Missile	2000-4000				Base	T67	11	83.4	70.3
83	16-May-00	N-16	Missile	2000-4000				Base	T67	18	89.4	67.9
83	16-May-00	N-16	Missile	2000-4000				Base	T69	3	88.3	74.2
83	16-May-00	N-16	Missile	2000-4000				Base	T69	6	92.1	71.0
83	16-May-00	N-16	Missile	2000-4000				Base	T70	4	83.4	70.8
83	16-May-00	N-16	Missile	2000-4000				Base	T70	10	88.8	70.1
83	16-May-00	N-16	Missile	2000-4000				Base	T71	11	87.0	70.7
83	16-May-00	N-16	Impact	2000-4000				Base	T72	3	83.9	54.8
83	16-May-00	N-16	Missile	2000-4000				Base	T73	4	87.5	70.3
83	16-May-00	N-16	Missile	2000-4000				Base	T73	8	91.2	73.2
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T825	14	105.0	95.5
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T826	6	100.6	93.8
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T826	11	100.3	93.5
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T826	19	100.8	94.1
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T827	11	103.3	95.0
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T828	10	103.7	93.8
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T828	22	102.5	90.9
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T828	30	101.1	88.8
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T829	10	103.8	91.5
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T829	29	103.5	90.4
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T830	7	103.5	88.6
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T831	9	103.6	95.0
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T832	11	103.6	95.4
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T833	11	104.8	92.3
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T834	10	103.6	95.0
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T835	8	103.9	94.5

88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T836	10	103.0	94.8
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T837	9	103.2	93.9
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T838	10	105.4	94.1
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T838	19	101.0	91.7
88	11-Apr-00	Pre-nesting	MLRS	750-1000				Base	T839	10	103.4	90.0
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T471	8	67.4	60.5
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T472	12	79.7	66.9
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T473	8	102.0	80.5
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T474	8	102.2	81.0
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T475	7	100.8	78.0
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T475	18	102.8	89.9
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T476	7	103.0	89.1
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T570	6	80.8	60.5
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T572	7	82.0	60.9
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T573	6	78.4	60.8
88	12-Apr-00	Pre-nesting	MLRS	750-1000				Base	T574	7	81.1	62.5
88	16-May-00	N-1	Missile	750-1000	0			Base	T569	6	69.0	42.0
99	15-May-00	N-8	Missile	5000				Base	T1344	2	79.1	68.1
99	15-May-00	N-8	Missile	5000				Base	T1344	17	75.0	51.9
99	15-May-00	N-8	Missile	5000				Base	T1346	2	74.8	51.7
99	15-May-00	N-8	Missile	5000				Base	T1347	4	78.4	61.9
99	15-May-00	N-8	Missile	5000				Base	T1347	10	81.9	61.1
99	15-May-00	N-8	Missile	5000				Base	T1347	16	77.4	62.0
99	15-May-00	N-8	Missile	5000				Base	T1347	19	81.5	57.6
99	15-May-00	N-8	Missile	5000				Base	T1348	2	80.8	67.1
99	15-May-00	N-8	Missile	5000				Base	T1348	7	85.1	62.5
99	15-May-00	N-8	Missile	5000				Base	T1348	15	69.2	46.5
99	15-May-00	N-8	Missile	5000				Base	T1349	4	78.9	54.9
99	15-May-00	N-8	Missile	5000				Base	T1349	16	76.5	51.4
99	15-May-00	N-8	Missile	5000				Base	T1350	3	69.2	50.1
99	15-May-00	N-8	Missile	5000				Base	T1351	2	73.9	51.0
99	15-May-00	N-8	Missile	5000				Base	T1351	8	75.7	53.2

Table D 14. Representative unweighted noise spectra for passive missile fire noise on Fort Stewart, GA, 2000.

CL	Date	Event	Event	File	Spec.	Band SEL (dB) at 1/3 Octave Spectrum Center Frequencies (Hz)																																						Calc.
		Type	Dist.	#	#	10	13	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	Overall
			(m)																																					SEL
83	5/15	Missiles	2000	T1330	3	60	61	73	78	78	75	78	76	75	74	73	68	68	64	64	61	61	61	61	60	58	54	51	46	41	35	35	33	19	28	23		20		86
83	5/15	Missiles	2000	T1330	9	66	69	68	66	66	62	67	66	66	68	65	64	62	60	57	58	57	58	59	58	57	55	52	47	42	31	34	32		26	19		17		78
83	5/15	Missile	2000	T1331	3	57	60	61	65	72	75	77	76	74	64	69	68	59	52	48	51	47	46	45	44	43	42	35	37	35	13	30	28	13	23	15	9	15	9	83
83	5/15	Impact	4000	T1331	11	68	69	69	72	73	71	72	76	75	67	62	63	56	57	51	49	48	49	49	49	48	46	43	41	40	32	34	31		26	18		13		82
83	5/15	Missile	2000	T1332	3	58	60	60	63	59	61	59	59	66	68	72	70	70	68	66	63	60	62	62	60	57	52	48	44	36	31	27	27	24	24	21	14	15		79
83	5/15	Missile	2000	T1332	11	62	62	62	59	56	64	65	65	65	67	65	54	54	56	56	55	53	55	57	57	55	51	48	43	36	29	25	26	19	21	17	1	11		75
83	5/15	Missile	2000	T1332	17	60	59	62	63	67	68	65	68	65	69	68	72	68	62	60	58	58	58	61	61	58	53	50	43	37	31	29	28	22	24	21	8	14		79
83	5/15	Missile	2000	T1332	24	61	65	64	59	55	65	65	59	58	60	58	56	54	54	54	53	52	55	57	57	54	52	49	43	36	29	27	26	16	20	17		8	4	73
83	5/15	Missile	2000	T1332	30	48	61	68	71	71	76	79	71	73	69	68	63	59	60	55	54	54	55	52	50	47	45	42	39	35	29	26	25	23	21	20	19	17	14	83
83	5/15	Missile	2000	T1333	4	64	68	72	75	72	76	79	72	73	69	68	63	59	60	55	54	54	55	53	51	49	47	43	39	35	29	28	25	22	22	21	19	18	14	84
83	5/15	Missile	2000	T1333	18	52	54	55	63	68	68	70	70	68	58	61	62	53	46	43	47	45	42	39	36	33	31	23	24	23	17	18	19	9	13	11		10		77
83	5/15	Missile	2000	T1335	5	56	64	68	62	59	69	64	66	63	65	68	65	63	62	63	63	62	60	61	62	60	55	51	45	38	31	29	29	24	24	22	4	14	1	77
83	5/15	Missile	2000	T1335	30	66	69	67	66	66	65	66	74	70	72	67	67	65	62	60	61	60	60	60	62	59	56	53	49	48	44	42	43	35	31	25		17	1	80
83	5/15	Impact	4000	T1336	5	63	68	69	75	76	73	76	77	72	68	73	68	66	64	56	55	56	57	58	54	53	51	48	47	47	43	42	44	37	30	23	20	19	16	84
83	5/15	Missile	2000	T1337	3	59	64	60	56	62	61	59	58	58	61	62	63	59	59	57	57	59	59	60	59	57	54	49	44	37	31	28	28	21	23	20		13		73
83	5/15	Missile	2000	T1337	15	67	67	66	62	63	68	62	58	58	60	64	57	55	53	53	53	52	52	53	54	52	49	46	40	35	27	28	26	14	21	16		7		75
83	5/15	Missile	2000	T1337	23	66	69	72	73	78	78	73	77	73	65	70	68	63	66	62	60	58	57	54	52	49	47	43	40	34	31	27	25	23	22	20	18	17	14	85
83	5/15	Missile	2000	T1340	2	54	64	68	67	64	58	63	64	62	61	62	69	66	60	59	59	57	57	59	60	56	52	48	42	35	29	26	27	21	22	20	1	13		76
83	5/15	Missile	2000	T1340	17	58	62	63	65	64	63	65	72	65	66	68	65	66	65	64	63	61	60	63	63	59	55	50	44	37	31	28	28	23	23	22	13	15	4	78
83	5/16	Missile	2000	T46	4	63	68	70	70	69	66	67	70	67	70	73	72	73	69	68	68	65	64	64	67	66	61	56	51	45	39	37	36	26	31	26		23		82
83	5/16	Missile	2000	T46	13	42	29	41	45	42	45	47	46	45	48	52	53	55	57	51	56	55	52	52	52	50	48	44	40	37	11	29	27		18	17				65
83	5/16	Missile	2000	T46	20	68	72	78	80	83	83	83	81	74	73	70	67	64	61	61	57	55	56	57	54	51	49	46	45	39	33	32	29	21	24	23	15	18	11	90
83	5/16	Missile	2000	T47	4	67	68	71	68	73	73	75	70	69	74	69	70	65	62	60	60	57	57	58	57	56	52	49	49	46	45	48	49	50	51	52	53	50	25	82
83	5/16	Missile	2000	T47	11	63	67	67	67	71	69	66	67	67	66	64	62	63	60	61	59	58	58	57	58	55	52	49	45	42	26	35	33	14	26	14		18		78
83	5/16	Missile	2000	T47	15	32	37	41	45	41	46	44	49	50	48	51	46	48	48	48	48	51	50	52	53	54	55	56	57	58	59	59	61	62	63	64	65	63	53	73
83	5/16	Missile	2000	T49	4	64	69	69	67	62	66	67	73	72	66	68	71	72	68	66	64	65	61	63	63	59	56	51	47	42	36	36	33	23	30	24		20		81

83	5/16	Missile	2000	T49	13	69	71	71	65	69	71	66	67	66	68	62	64	68	62	63	59	57	55	56	58	56	53	49	45	41	26	34	32	17	20	22		20		80
83	5/16	Missile	2000	T49	20	68	71	73	77	80	87	89	82	80	75	78	74	69	72	66	65	63	62	60	59	56	54	53	49	44	40	37	35	32	31	30	27	26	25	93
83	5/16	Missile	2000	T50	5	65	65	71	72	72	75	67	65	66	68	66	67	65	63	61	62	61	63	63	63	60	54	51	46	42	33	35	34	21	25	21		18		81
83	5/16	Missile	2000	T50	11	65	67	66	60	66	68	63	64	62	61	62	59	54	57	56	55	56	56	56	57	56	54	50	45	41	28	34	32		25	18		15		76
83	5/16	Missile	2000	T50	18	73	76	79	83	84	80	81	83	82	73	79	75	64	72	65	63	63	63	61	59	58	55	51	48	45	39	38	34	29	30	27	25	24	22	91
83	5/16	Missile	2000	T51	6	63	65	69	68	67	66	65	60	65	64	63	69	65	62	59	58	58	58	58	58	56	53	49	44	40	28	35	33		26	24		15		77
83	5/16	Missile	2000	T52	3	65	63	67	73	73	74	68	67	67	68	67	67	67	63	60	61	60	60	61	62	60	56	52	47	42	35	35	33		26	20		18		81
83	5/16	Missile	2000	T53	6	64	65	69	69	70	72	62	64	67	67	67	70	67	65	66	62	62	61	62	61	60	57	53	47	43	34	36	34	11	28	19		18		80
83	5/16	Missile	2000	T54	5	60	62	66	69	71	67	58	65	66	69	70	70	65	64	67	65	61	61	64	63	61	57	52	47	43	37	37	35	18	28	24		17		80
83	5/16	Missile	2000	T54	10	67	69	69	66	70	72	63	67	71	72	68	61	65	60	59	55	57	56	57	57	57	55	51	46	46	48	41	34	11	28	20	11	23		80
83	5/16	Impact	4000	T55	4	62	66	70	73	75	74	75	79	77	65	69	71	63	54	54	58	55	53	49	41	40	38	28	33	34	32	29	28	11	22	20	14	18		84
83	5/16	Missile	2000	T56	5	65	69	67	71	74	68	65	70	68	66	66	67	67	63	60	60	61	62	63	63	60	57	54	49	44	41	40	37	27	30	24		22		81
83	5/16	Missile	2000	T56	16	64	68	69	65	69	69	62	64	66	66	64	65	64	62	62	59	61	58	58	60	56	52	49	44	41	25	35	33	11	22	20		17		78
83	5/16	Impact	4000	T57	4	67	70	74	77	79	79	75	79	76	65	72	72	56	52	57	53	51	49	47	44	41	38	30	33	33	22	31	28	18	23	18	14	18	11	86
83	5/16	Missile	2000	T58	5	66	70	72	73	73	68	65	70	69	69	65	67	67	63	61	60	59	60	62	62	60	57	54	48	43	34	35	34	11	28	24		20		81
83	5/16	Missile	2000	T59	17	71	73	72	75	76	73	71	71	71	72	69	72	69	69	67	67	66	66	66	66	65	61	56	50	45	38	40	38	24	31	28		21		84
83	5/16	Missile	2000	T59	25	67	71	72	80	83	83	86	83	77	74	73	71	66	64	64	58	57	57	53	52	52	49	48	41	38	33	33	31	26	27	24	23	21	18	91
83	5/16	Missile	2000	T60	4	65	62	65	72	68	69	62	65	67	63	67	68	69	64	63	64	62	63	62	62	59	56	53	46	42	34	35	34	18	26	23		15		79
83	5/16	Missile	2000	T60	13	67	70	70	63	66	65	55	60	55	55	59	57	56	54	54	53	53	52	53	54	53	51	48	42	38	15	34	30	-242	21	20		14		76
83	5/16	Missile	2000	T60	21	64	68	72	75	81	80	83	86	79	73	76	75	66	65	65	67	61	61	55	55	53	49	45	43	41	36	35	32	28	27	24	23	22	19	90
83	5/16	Missile	2000	T61	5	66	69	74	77	78	71	65	63	65	68	65	66	66	64	60	59	59	59	60	61	59	54	50	45	41	29	35	33		25	22		17		83
83	5/16	Missile	2000	T61	15	70	71	70	64	68	72	65	62	61	63	62	60	59	57	59	56	57	59	60	61	58	55	51	46	43	36	39	39	38	40	40	42	39		79
83	5/16	Impact	4000	T62	4	63	63	62	65	64	67	71	69	70	65	60	65	57	55	51	48	44	44	42	38	38	37	33	32	32		30	28		23	15		19		77
83	5/16	Missile	2000	T65	4	65	67	66	74	73	72	65	58	62	63	64	66	66	62	60	59	61	59	60	61	57	55	51	45	41	30	35	33		28	20		19		80
83	5/16	Missile	2000	T67	11	71	67	69	72	74	78	72	72	69	66	69	69	68	67	66	64	64	63	63	64	62	60	55	49	45	37	40	38	34	35	34	36	32		83
83	5/16	Missile	2000	T67	18	67	69	75	76	78	81	82	83	81	77	74	73	68	67	67	62	62	60	60	57	55	53	49	45	41	34	36	32	29	28	27	24	24	20	89
83	5/16	Missile	2000	T69	3	53	50	57	61	65	66	72	75	82	83	82	78	70	69	71	67	67	67	71	64	59	62	58	51	49	43	39	36	32	32	30	31	25	23	88
83	5/16	Missile	2000	T69	6	69	73	77	81	85	86	85	82	77	77	75	69	73	72	62	66	65	62	64	61	60	59	57	55	51	51	47	44	39	36	33	30	30	28	92

83	5/16	Missile	2000	T70	4	65	67	71	73	73	73	71	72	68	72	71	73	73	68	67	69	70	63	61	62	57	55	51	47	44	42	39	37	41	34	31	38	20	12	83
83	5/16	Missile	2000	T70	10	70	73	77	78	81	82	81	79	74	65	71	76	75	73	65	65	63	62	63	59	54	56	53	53	45	44	41	38	42	36	33	38	26	25	89
83	5/16	Missile	2000	T71	11	70	72	74	74	77	79	77	75	74	74	74	77	77	73	65	67	64	64	60	59	56	52	49	45	42	34	39	37	28	33	28	24	20	18	87
83	5/16	Impact	4000	T72	3	69	70	70	71	72	75	79	77	71	65	64	55	56	51	48	48	45	44	44	40	40	37	36	35	34	32	32	28	33	25	20	24			84
83	5/16	Missile	2000	T73	4	58	57	62	65	68	70	73	77	79	82	82	75	70	68	69	67	64	64	60	56	56	52	49	48	42	37	37	38	30	32	38	26	21	18	87
83	5/16	Missile	2000	T73	8	75	78	79	80	81	81	82	85	81	78	76	74	72	74	71	69	66	66	65	64	62	61	59	55	52	50	46	42	40	38	36	38	33	29	91
88	4/11	MLRS	750	T825	14	86	90	91	98	92	92	93	93	95	93	91	90	92	92	88	89	88	89	89	89	87	85	83	79	76	71	67	64	59	57	52	46	46		105
88	4/11	MLRS	750	T826	6	74	77	80	84	86	88	89	89	90	90	89	87	89	89	86	86	86	88	88	87	85	84	81	78	75	70	66	63	58	56	51	52	44	30	101
88	4/11	MLRS	750	T826	11	73	74	78	84	85	88	88	89	89	90	88	88	89	88	84	85	85	88	88	87	85	83	81	78	75	71	67	63	58	56	50	46	43	30	100
88	4/11	MLRS	750	T826	19	73	76	79	85	86	88	89	90	90	90	89	88	90	90	86	86	87	88	88	87	86	84	81	79	75	71	68	64	59	56	52	48	45		101
88	4/11	MLRS	750	T827	11	85	87	92	92	92	90	91	94	91	90	89	89	90	90	86	87	87	89	89	88	87	85	82	79	75	71	67	64	59	57	53	50	47		103
88	4/11	MLRS	750	T828	10	83	89	89	96	91	91	93	94	93	93	90	89	89	89	88	86	86	88	88	86	85	83	82	78	74	70	67	64	60	58	54	50	45	33	104
88	4/11	MLRS	750	T828	22	84	89	87	94	92	90	93	93	91	91	89	88	87	87	84	82	83	84	85	84	82	80	77	73	69	64	62	59	53	52	47	44	33		102
88	4/11	MLRS	750	T828	30	80	86	86	91	90	92	91	91	91	91	90	87	85	85	83	80	82	82	83	82	80	77	75	70	66	58	59	56	41	48	45	42	40		101
88	4/11	MLRS	750	T829	10	86	92	91	94	90	93	93	94	95	93	90	88	87	88	86	83	85	85	86	85	83	81	78	74	70	63	61	59	51	51	46		42	37	104
88	4/11	MLRS	750	T829	29	85	95	91	95	90	92	94	94	92	90	88	88	87	87	85	83	84	83	85	84	82	79	76	72	68	61	59	58	48	49	44	42	43		104
88	4/11	MLRS	750	T830	7	83	95	92	95	93	92	94	94	92	90	90	86	84	84	83	81	82	82	82	81	80	78	75	70	67	58	59	56	46	49	42		40	36	104
88	4/11	MLRS	750	T831	9	85	85	88	91	91	94	92	89	94	93	91	90	91	90	86	88	88	90	89	87	86	85	82	78	75	71	67	63	58	56	52	49	46	35	104
88	4/11	MLRS	750	T832	11	88	83	86	94	89	94	92	93	92	92	91	89	89	90	87	87	87	89	90	88	87	86	84	80	77	74	71	66	63	59	56	54	49	40	104
88	4/11	MLRS	750	T833	11	83	93	93	96	89	93	96	96	94	93	91	90	88	88	86	85	87	87	87	85	83	81	78	74	69	63	61	58	46	52	48	41	43	33	105
88	4/11	MLRS	750	T834	10	85	83	87	94	93	93	93	92	93	90	91	89	90	90	86	87	87	90	89	88	87	85	82	80	76	72	68	64	59	57	53	52	46	36	104
88	4/11	MLRS	750	T835	8	84	87	87	94	91	96	93	93	93	93	91	89	89	89	85	86	87	88	89	87	86	84	82	79	75	72	68	64	60	57	52	51	47	36	104
88	4/11	MLRS	750	T836	10	87	87	84	88	90	92	91	91	93	92	92	90	90	90	88	87	87	88	89	88	87	84	82	79	75	70	66	63	58	56	51	49	44	39	103
88	4/11	MLRS	750	T837	9	82	82	87	94	92	92	90	92	93	92	91	89	90	89	86	87	87	88	88	87	86	83	80	77	73	68	64	61	55	55	50	44	43	39	103
88	4/11	MLRS	750	T838	10	84	93	92	97	93	95	94	95	94	94	93	90	90	91	88	86	86	87	88	88	86	83	80	76	72	67	64	60	55	54	50	43	44	30	105
88	4/11	MLRS	750	T838	19	76	82	81	88	87	91	91	92	91	90	89	88	87	88	85	83	84	85	86	86	83	81	77	73	69	63	61	58	49	51	46	48	42		101
88	4/11	MLRS	750	T839	10	81	90	91	97	92	93	95	92	91	92	89	87	86	87	86	83	83	83	84	83	82	79	76	71	66	58	59	57	46	51	45	43	41	33	103
88	4/12	MLRS	750	T471	8	52		58	57		52	46		57	49		59	57	55	58	51	40	55	54		52	51		49	48		48	43		31					67
88	4/12	MLRS	750	T472	12	44	44	47	50	51	53	69	69	57	72	75	72	66	61	60	57	55	55	57	58	53	53	54	56	56	51	52	49	49	45	42	39	36	27	80
88	4/12	MLRS	750	T473	8	88	92	90	95	94	94	94	89	87	83	80	80	79	78	74	73	71	73	73	72	73	71	67	64	61	31	57	55		47	39		40		102

88	4/12	MLRS	750	T474	8	85	90	88	95	93	94	96	93	86	82	82	82	78	77	75	72	72	75	74	73	72	71	67	65	62	40	57	54		49	44		41		102
88	4/12	MLRS	750	T475	7	86	91	88	93	92	94	93	90	82	79	80	79	75	74	72	70	69	71	72	70	69	68	63	62	60	38	58	55		49	42		39	31	101
88	4/12	MLRS	750	T475	18	85	91	88	94	93	93	93	93	93	92	88	87	84	84	82	79	81	83	83	83	82	81	78	75	71	64	60	57	42	52	46		43	31	103
88	4/12	MLRS	750	T476	7	85	92	90	95	91	94	94	93	91	91	88	87	86	85	82	79	80	82	83	83	81	79	76	73	69	62	59	57	31	50	45		43	38	103
88	4/12	MLRS	750	T570	6	70	71	71	72	76	70	67	64	63	63	63	63	63	59	57	56	54	53	53	52	51	49	42	42	39	12	35	33		29	19		12		81
88	4/12	MLRS	750	T572	7	73	76	72	70	73	72	72	65	63	65	65	64	64	60	57	57	54	54	53	52	51	49	42	42	40		37	35		29	24				82
88	4/12	MLRS	750	T573	6	65	70	63	66	68	70	69	67	68	67	66	64	63	60	60	56	54	54	53	52	50	48	44	39	35	30	30	30	26	31	30	32	26	26	78
88	4/12	MLRS	750	T574	7	67	70	72	73	73	73	70	66	67	66	66	66	63	62	59	57	56	55	55	54	53	50	46	41	36	31	33	32	22	29	28	26	20	5	81
88	5/16	Missile	750	T569	6	46	49	60	57	52	62	63	61	61	52	49	50	45	40	36	34	32	31	29	25	23	23	19	20	20		19	19	9	23	7		5		69
99	5/15	Missile	5000	T1344	2	48	54	58	64	66	67	65	69	67	69	73	69	67	62	59	63	62	63	64	60	56	55	51	46	39	35	32	30	31	32	22	19	18	15	79
99	5/15	Missile	5000	T1344	17	59	61	59	66	67	69	66	66	64	57	59	56	55	50	48	44	44	45	45	43	40	37	32	29	28	16	23	22	18	26	14		10		75
99	5/15	Missile	5000	T1346	2	53	58	59	62	67	65	71	66	56	57	59	54	51	47	46	45	45	44	44	44	42	39	36	33	36	27	27	24	12	18	11		9		75
99	5/15	Missile	5000	T1347	4	62	64	65	69	69	68	70	66	66	68	67	67	64	63	58	58	59	54	53	52	49	44	42	36	35	36	29	26	17	20	18	8	9	4	78
99	5/15	Missile	5000	T1347	10	56	61	66	69	71	74	76	75	70	63	68	66	59	65	59	59	55	54	50	48	47	44	41	38	34	29	28	25	23	21	18	18	16	14	82
99	5/15	Missile	5000	T1347	16	69	70	68	67	65	65	65	62	62	61	61	63	64	62	53	59	56	56	53	52	50	48	53	42	38	41	36	34	33	26	20	7	15		77
99	5/15	Missile	5000	T1347	19	68	69	69	71	73	75	73	72	67	66	65	61	51	56	52	53	50	51	47	47	44	46	49	36	33	26	28	27	16	21	17	15	13		82
99	5/15	Missile	5000	T1348	2	60	58	52	58	63	68	66	70	68	64	74	76	69	64	64	66	57	62	58	55	54	48	41	39	38	33	32	29	26	24	22	20	19	17	81
99	5/15	Missile	5000	T1348	7	77	75	76	74	73	76	75	76	74	65	70	66	56	64	61	57	57	56	56	53	49	45	43	39	38	40	38	35	31	32	30	27	20	14	85
99	5/15	Missile	5000	T1348	15	40	48	56	56	62	63	63	60	57	49	52	50	46	44	42	42	41	40	39	38	36	33	27	27	25	1	20	19		12	8		4		69
99	5/15	Missile	5000	T1349	4	70	67	67	68	69	72	71	70	65	61	62	58	56	54	52	48	48	48	47	46	44	41	39	35	34	33	30	27	16	26	19	6	12		79
99	5/15	Missile	5000	T1349	16	54	61	56	64	66	72	70	69	63	58	60	57	54	51	47	45	45	42	43	41	39	37	33	30	28	20	23	21	11	17	13		8		76
99	5/15	Missile	5000	T1350	3	52	54	54	61	57	61	61	63	59	52	53	52	48	44	42	42	43	44	44	43	41	39	34	32	31	14	26	23		19	11		6		69
99	5/15	Missile	5000	T1351	2	61	58	62	67	60	65	68	66	60	52	57	53	51	47	47	45	44	43	43	43	41	40	37	33	31	25	26	22		15	1		7		74
99	5/15	Missile	5000	T1351	8	71	69	68	68	61	60	55	52	49	46	44	40	39	38	40	42	45	47	47	47	46	43	41	38	36	29	30	27	20	23	20	17	14		76

Table D 15. Summary data for ambient sound levels on Fort Stewart, GA, 2000.

Cluster	Date	Nesting	Event	Mic	File	Spec.	AVG. LEQ (dB) at mic	
		Phase	Type	Pos.	#	#		
		& Day					Flat	A
1	03-May-00	I-6	ambient	Base	T958	30	49.2	33.0
1	19-May-00	I-3	ambient	Base	T1169	30	49.9	38.4
1	23-May-00	I-7	ambient	Base	T1051	30	55.0	39.2
1	25-May-00	I-8	ambient	Base	T499	30	51.0	45.1
2	04-May-00	I-8	ambient	Base	T1002	30	47.2	42.2
2	08-May-00	N-1	ambient	Base	T1155	30	54.0	35.9
6	05-May-00	I-5	ambient	Base	T974	30	51.8	37.5
6	09-May-00	I-9	ambient	Base	T544	30	46.4	37.4
6	09-May-00	I-9	ambient	Base	T584	30	50.1	42.1
8	18-May-00	N-12	ambient	Base	T312	30	53.9	46.1
8	19-May-00	N-13	ambient	Base	T43	30	48.6	39.3
10	02-May-00	I-5	ambient	Base	T956	30	60.3	47.6
10	05-May-00	I-8	ambient	Base	T978	30	66.2	42.6
10	09-May-00	N-1	ambient	Base	T955	30	53.6	36.8
12	08-May-00	I-10	ambient	Base	T998	30	52.1	35.6
12	12-May-00	N-4	ambient	Base	T300	30	49.6	41.4
13	12-May-00	I-8	ambient	Base	T706	30	47.7	36.3
23	16-May-00	I-6	ambient	Base	T567	30	52.8	47.6
23	30-May-00	I-1	ambient	Base	T1174	30	51.4	43.7
23	02-Jun-00	I-4	ambient	Base	T1112	30	50.1	41.2
23	06-Jun-00	I-8	ambient	Base	T590	30	52.9	44.8
30	18-May-00	N-13	ambient	Base	T1995	30	50.7	40.5
32	08-May-00	I-4	ambient	Base	T817	30	45.4	32.0
32	10-May-00	I-6	ambient	Base	T92	30	49.1	40.8
36	10-May-00	I-8	ambient	Base	T547	30	49.5	36.6
38	25-Apr-00	I-10	ambient	Base	T554	30	55.9	45.8
39	15-May-00	Incubation	ambient	Base	T1345	30	49.5	43.1
39	23-May-00	Incubation	ambient	Base	T1352	30	49.5	41.6
39	27-May-00	Incubation	ambient	Base	T1257	30	45.5	33.5
39	28-May-00	Incubation	ambient	Base	T295	30	50.2	43.1
41	11-May-00	I-2	ambient	Base	T1062	30	43.1	43.1
41	02-Jun-00	I-1	ambient	Base	T1179	30	45.0	32.9
42	25-Apr-00	I-7	ambient	Base	T562	30	53.1	46.1
42	01-May-00	N-2	ambient	Base	T1368	30	47.5	33.1
44	25-Apr-00	I-7	ambient	Base	T564	30	46.8	41.5
47	10-May-00	N-1	ambient	Base	T1140	30	49.2	42.5

48	13-Apr-00	Pre-nesting	ambient	Base	T478	30	49.2	36.8
48	13-Apr-00	Pre-nesting	ambient	Base	T488	30	48.6	39.0
48	02-May-00	I-6	ambient	Base	T908	30	51.9	44.2
48	04-May-00	I-8	ambient	Base	T1063	30	54.2	44.7
51	18-May-00	I-9	ambient	Base	T887	30	56.9	40.9
53	17-May-00	I-6	ambient	Base	T1098	30	60.7	42.4
57	19-Apr-00	I-4	ambient	Base	T578	30	48.5	33.9
57	27-Apr-00	N-1	ambient	Base	T465	30	53.1	42.2
57	27-Apr-00	N-1	ambient	Base	T468	30	51.2	41.8
57	28-Apr-00	N-2	ambient	Base	T948	30	53.9	44.5
57	08-May-00	N-12	ambient	Base	T997	30	42.2	33.6
60	22-May-00	I-9	ambient	Base	T1249	30	53.1	39.6
61	23-May-00	I-6	ambient	Base	T512	30	48.6	47.4
61	23-May-00	I-6	ambient	Base	T542	30	51.6	44.5
62	08-May-00	I-10	ambient	Base	T818	30	45.4	41.2
62	08-May-00	I-10	ambient	Base	T982	30	48.9	41.2
62	11-May-00	N-2	ambient	Base	T1141	30	47.5	36.9
62	15-May-00	N-6	ambient	Base	T1163	30	50.1	39.6
71	10-May-00	N-3	ambient	Base	T549	30	45.7	32.5
73	26-Apr-00	I-2	ambient	Base	T1005	30	45.3	32.4
73	04-May-00	I-9	ambient	Base	T25	30	47.3	38.0
75	11-May-00	I-7	ambient	Base	T511	30	48.2	32.1
75	15-May-00	N-0	ambient	Base	T1082	30	39.0	37.1
75	18-May-00	N-3	ambient	Base	T1078	30	44.9	37.6
80	28-Apr-00	I-3	ambient	Base	T1993	30	50.1	44.7
80	12-May-00	I-7	ambient	Base	T322	30	39.0	32.0
80	12-May-00	I-7	ambient	Base	T496	30	38.5	32.1
80	16-May-00	N-0	ambient	Base	T1074	30	48.1	34.7
80	19-May-00	N-3	ambient	Base	T1170	30	48.1	35.8
81	02-May-00	I-4	ambient	Base	T957	30	42.8	34.6
81	01-Jun-00	I-5	ambient	Base	T1263	30	40.9	32.4
81	02-Jun-00	I-6	ambient	Base	T1177	30	46.9	42.9
81	05-Jun-00	I-9	ambient	Base	T500	30	49.4	40.6
82	24-May-00	I-7	ambient	Base	T534	30	55.4	42.0
83	19-Apr-00	Egg-laying	ambient	Base	T577	30	53.8	40.9
83	04-May-00	N-4	ambient	Base	T302	30	55.8	46.9
83	15-May-00	N-15	ambient	Base	T1334	30	58.1	40.5
83	16-May-00	N-16	ambient	Base	T64	30	52.7	40.5
84	26-Apr-00	I-2	ambient	Base	T1142	30	46.3	36.3

87	17-May-00	I-7	ambient	Base	T1076	30	48.9	35.6
88	16-May-00	N-1	ambient	Base	T555	30	50.9	42.0
88	16-May-00	N-1	ambient	Base	T568	30	47.7	33.9
99	05-May-00	I-9	ambient	Base	T294	30	52.8	46.5
99	15-May-00	N-8	ambient	Base	T1341	30	49.2	43.7
99	16-May-00	N-9	ambient	Base	T74	30	49.5	41.3
99	23-May-00	N-16	ambient	Base	T1362	30	56.7	48.9
103	05-May-00	I-8	ambient	Base	T98	30	53.1	42.0
107	04-May-00	I-2	ambient	Base	T1008	30	46.6	40.9
107	08-May-00	I-6	ambient	Base	T1160	30	44.8	37.1
107	11-May-00	I-9	ambient	Base	T532	30	53.8	45.6
107	15-May-00	N-2	ambient	Base	T1073	30	45.0	37.2
118	24-May-00	N-17	ambient	Base	T1109	30	46.6	45.4
121	24-May-00	N-6	ambient	Base	T1108	30	45.2	44.0
121	30-May-00	N-12	ambient	Base	T1260	30	47.4	38.8
122	08-May-00	N-2	ambient	Base	T993	30	46.4	32.2
126	11-May-00	I-6	ambient	Base	T1056	30	46.1	36.6
136	08-May-00	I-9	ambient	Base	T1003	30	53.7	42.4
139	11-May-00	I-7	ambient	Base	T507	30	50.4	42.2
139	11-May-00	I-7	ambient	Base	T550	30	50.1	34.4
139	15-May-00	N-0	ambient	Base	T565	30	52.0	45.7
148	01-May-00	I-8	ambient	Base	T1080	30	45.3	37.9
152	07-Jun-00	N	ambient	Base	T88	30	54.9	44.9
152	07-Jun-00	N	ambient	Base	T91	30	54.4	44.1
152	08-Jun-00	N	ambient	Base	T960	30	54.6	37.7
162	20-Apr-00	I-3	ambient	Base	T1104	30	50.5	37.5
163	24-May-00	N-15	ambient	Base	T516	30	53.7	45.6
171	08-May-00	N-5	ambient	Base	T995	30	43.2	38.0
172	12-May-00	I-8	ambient	Base	T1072	30	48.3	38.5
172	16-May-00	N-2	ambient	Base	T1075	30	45.0	36.3
179	03-May-00	N-1	ambient	Base	T1166	30	44.8	33.1
183	27-Apr-00	I-10	ambient	Base	T1173	30	49.6	43.7
183	28-Apr-00	N-0	ambient	Base	T950	30	53.2	45.0
184	18-May-00	I-5	ambient	Base	T885	30	48.9	43.3
184	23-May-00	I-10	ambient	Base	T991	30	38.8	35.9
184	25-May-00	N-1	ambient	Base	T1467	30	42.7	38.3
189	24-May-00	I-10	ambient	Base	T911	30	50.9	34.6
194	02-May-00	N-0	ambient	Base	T552	30	46.1	38.5
197	17-May-00	I-2	ambient	Base	T1168	30	45.0	38.4
197	22-May-00	I-7	ambient	Base	T1253	30	49.3	43.5

198	28-Apr-00	I-8	ambient	Base	T1992	30	49.6	38.1
203	12-Apr-00	Pre-nesting	ambient	Base	T571	30	50.0	41.4
205	08-May-00	N-0	ambient	Base	T996	30	50.1	37.5
206	10-May-00	I-9	ambient	Base	T1138	30	51.9	43.9
206	24-May-00	I-2	ambient	Base	T311	30	53.1	44.9
206	30-May-00	I-9	ambient	Base	T1175	30	48.2	35.6
206	05-Jun-00	N-3	ambient	Base	T82	30	46.2	31.9
207	02-May-00	I-5	ambient	Base	T596	30	46.2	37.7
207	05-May-00	I-8	ambient	Base	T1145	30	51.0	41.4
207	05-May-00	I-8	ambient	Base	T1154	30	51.8	34.7
207	09-May-00	N-1	ambient	Base	T1144	30	48.0	33.7
216	01-May-00	I-8	ambient	Base	T595	30	41.2	34.9
216	08-May-00	N-4	ambient	Base	T1184	30	43.4	37.9
221	18-May-00	I-4	ambient	Base	T1050	30	51.4	41.7
221	22-May-00	I-8	ambient	Base	T1171	30	53.8	39.4
221	24-May-00	N-1	ambient	Base	T497	30	53.6	42.6
228	01-May-00	I-6	ambient	Base	T490	30	52.7	44.9
228	01-May-00	I-6	ambient	Base	T492	30	45.5	40.9
228	04-May-00	I-9	ambient	Base	T819	30	48.9	45.1
232	10-May-00	I-9	ambient	Base	T593	30	40.0	37.9
267	28-May-00	I-5	ambient	Base	T313	30	52.4	45.0
267	29-May-00	I-6	ambient	Base	T75	30	52.1	44.3
267	30-May-00	I-7	ambient	Base	T27	30	57.3	49.4
267	07-Jun-00	N-4	ambient	Base	T1246	30	56.9	47.4
267	08-Jun-00	N-5	ambient	Base	T79	30	53.2	44.3
289	09-May-00	Incubation	ambient	Base	T1107	30	37.0	33.6
295	25-May-00	I-8	ambient	Base	T498	30	51.7	46.5
296	04-May-00	I-3	ambient	Base	T1994	30	48.7	41.6

Table D 16. Representative unweighted sound spectra for ambient sound levels on Fort Stewart, GA, 2000.

CL	Date	Event	File	Spec.	Band LEQ (dB) at 1/3 Octave Spectrum Center Frequencies (Hz)																																								Calc.
		Type	#	#	10	13	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	Overall
																																												LEQ
1	5/3	ambient	T958	30	37	37	39	39	39	40	41	39	38	37	34	31	28	24	28	27	22	26	24	15	22	22	14	20	21	15	24	21	6	14	8		1		49
1	5/19	ambient	T1169	30	37	38	38	39	39	40	39	40	40	39	39	34	31	29	29	28	26	31	30	28	27	25	17	25	27	23	25	30	27	17	9	5	3		50
1	5/23	ambient	T1051	30	33	34	51	42	37	44	42	43	40	48	39	39	37	32	30	28	21	25	24	16	22	23	21	26	25	19	23	24	35	32	16	2	5		55
1	5/25	ambient	T499	30	34	35	44	37	37	41	38	37	37	39	35	32	30	29	32	34	37	38	38	37	35	32	26	28	32	26	25	24	34	39	20		8		51
2	5/4	ambient	T1002	30	36	33	35	34	34	34	34	33	34	32	30	30	27	27	31	33	34	36	36	35	34	32	28	26	25	20	26	26	27	19	12		4		47
2	5/8	ambient	T1155	30	36	39	40	42	42	43	45	49	45	43	39	41	36	27	29	28	22	25	24	14	22	21	12	19	20	7	23	30	26	17	10	2	5		54
6	5/5	ambient	T974	30	41	41	42	42	41	44	42	39	39	43	38	32	29	20	25	24	11	22	22	15	22	22	21	26	28	27	26	32	15	14	10	3			52
6	5/9	ambient	T544	30	31	29	31	33	32	32	36	33	34	38	37	38	31	28	27	25	11	23	23	13	23	24	22	21	19	9	23	24	27	35	18		3	8	46
6	5/9	ambient	T584	30	36	34	41	37	16	40	38	28	41	38	28	41	36	21	37	36	21	35	34	28	33	32	22	29	30	26	30	31	18	24	15	16	13		50
8	5/18	ambient	T312	30	41	30	44	41	35	43	44	34	45	42	36	44	39	28	40	39	21	39	37	28	36	36	27	35	34	29	37	36	31	28	19		17	5	54
8	5/19	ambient	T43	30	36	34	38	39	33	39	37	34	40	35	25	38	34	21	34	33	20	34	32	23	30	30	21	27	26		28	25		25	15		10		49
10	5/2	ambient	T956	30	40	45	47	46	47	49	51	51	53	52	50	45	42	37	36	39	39	38	38	37	34	32	26	25	28	30	33	44	29	24	18		5		60
10	5/5	ambient	T978	30	56	56	60	58	57	56	55	52	51	46	40	41	37	28	37	37	25	37	35	28	34	34	23	30	29	12	28	27	22	21	18	21	13		66
10	5/9	ambient	T955	30	35	37	39	40	45	50	41	41	43	41	39	36	33	29	31	31	31	32	31	28	27	25	15	21	20	1	18	16	3	15	7		2		54
12	5/8	ambient	T998	30	37	34	35	33	35	50	45	35	36	32	24	32	29	16	30	29	17	28	27	21	27	26	15	24	23	7	26	24		15	7		7		52
12	5/12	ambient	T300	30	37	22	39	39	34	40	39	34	41	38	31	39	35	22	36	33	19	33	32	22	31	30	23	27	28		32	30	25	34	22		13		50
13	5/12	ambient	T706	30	33	35	38	37	37	36	38	38	39	37	32	30	27	25	29	30	28	30	27	21	24	24	16	22	24	25	27	26	20	17	9		2	19	48
23	5/16	ambient	T567	30	40	40	43	43	43	41	41	39	40	38	36	34	29	25	29	30	28	30	28	26	26	25	17	21	25	28	32	46	35	22	28	9	9	22	53
23	5/30	ambient	T1174	30	38	38	40	41	41	41	40	40	39	38	35	33	31	31	32	34	38	39	36	35	34	32	28	25	24	24	35	28	13	15	9		3		51
23	6/2	ambient	T1112	30	36	22	39	38	29	40	41	35	42	38	31	40	35	29	36	34	20	35	34	27	33	32	24	29	29	13	29	27	14	21	13		13	5	50
23	6/6	ambient	T590	30	40	0	42	38	31	42	42	39	44	42	31	43	39	27	39	38	22	38	38	32	36	35	27	33	33		33	32		25	17		16	6	53
30	5/18	ambient	T1995	30	37	38	41	42	38	40	41	35	40	37	29	38	34	24	36	35	25	35	33	29	32	31	22	28	28		25	25		18	12		11		51
32	5/8	ambient	T817	30	36	34	36	39	35	35	34	32	32	32	26	28	25	19	26	25	15	24	23	15	22	21	14	20	20	11	24	22	8	14	7	1	2	12	45
32	5/10	ambient	T92	30	39	34	40	37	30	38	38	32	39	38	26	37	33	21	35	34	23	35	34	28	32	31	18	28	27		31	28		19	9		10		49
36	5/10	ambient	T547	30	37	38	37	39	40	40	40	40	37	36	38	31	28	21	27	29	27	30	29	25	26	24	13	21	22	19	29	27	11	14	8	4	2	16	50
38	4/25	ambient	T554	30	50	48	48	46	44	42	41	40	39	38	37	35	33	32	33	35	36	38	39	39	39	37	34	30	28	20	24	22	13	18	15	11	7	32	56
39	5/15	ambient	T1345	30	37	37	37	39	39	40	39	37	36	34	29	30	26	18	29	31	31	35	35	34	32	30	23	26	32	31	30	34	33	22	13		4		49

39	5/23	ambient	T1352	30	35	24	40	37	0	40	37	29	41	38	26	40	36	21	36	35	19	35	34	27	32	32	24	30	29	13	31	30		23	15		15		49
39	5/27	ambient	T1257	30	32	33	34	35	33	34	36	35	36	36	30	30	26	11	26	26	11	25	24	16	24	22	12	23	23	17	23	20	18	24	8		4		45
39	5/28	ambient	T295	30	41	36	38	37		39	37		40	36	28	41	36	20	38	37	26	38	37	29	35	34	23	30	29		31	27		22	15		13		50
41	5/11	ambient	T1062	30	23	9	26	24	6	26	24	3	27	22		26	21		20	21	2	21	21	13	22	23	23	31	33	35	34	36	34	26	23	20	8		43
41	6/2	ambient	T1179	30	31	32	32	34	33	33	34	33	36	34	33	34	34	30	28	26	17	24	23	15	22	21	13	21	24	17	22	20	5	14	9	2	4		45
42	4/25	ambient	T562	30	40	29	39	40	35	44	42	40	45	40	35	40	36	16	37	37	31	41	40	38	39	37	28	32	32	1	29	28		20	14		12		53
42	5/1	ambient	T1368	30	36	36	35	37	38	38	39	37	36	37	29	28	26	21	27	26	20	27	26	22	24	23	17	20	19	4	20	18	12	15	7		3		48
44	4/25	ambient	T564	30	33	33	34	35	34	34	34	33	33	36	28	28	27	22	29	31	33	36	36	36	34	31	25	25	24	13	19	17		11	7		2		47
47	5/10	ambient	T1140	30	31	32	34	40	35	34	39	38	39	34	35	37	35	35	35	34	33	34	35	33	31	28	23	25	37	25	23	21	17	20	17	13	6		49
48	4/13	ambient	T478	30	37	35	38	45	37	37	38	39	35	33	28	33	31	23	31	30	20	31	29	24	29	28	19	25	24	12	23	19		12	5		5		49
48	4/13	ambient	T488	30	35	35	38	41	38	38	39	34	35	35	30	35	31	23	31	30	24	33	33	31	32	30	19	25	25	7	25	22	11	13	6		3		49
48	5/2	ambient	T908	30	34		41	41		42	40	32	43	39	30	43	39	29	40	39	24	39	37	31	35	35	22	31	31		32	32	22	27	19		16		52
48	5/4	ambient	T1063	30	40	44	44	41	41	44	44	44	43	43	43	37	33	31	31	30	31	32	31	30	29	26	25	33	33	33	34	40	31	20	15		5		54
51	5/18	ambient	T887	30	38	40	43	44	48	47	48	48	49	48	42	37	34	29	31	32	34	35	35	34	32	30	25	25	26	22	22	21	22	14	8		2		57
53	5/17	ambient	T1098	30	39	41	45	60	42	41	48	46	45	41	39	38	36	34	35	35	35	36	35	33	29	27	23	25	28	27	26	33	33	19	13		4		61
57	4/19	ambient	T578	30	37	38	40	40	39	37	37	36	40	35	30	29	25	17	26	26	18	26	24	17	23	22	13	21	25	23	25	22	9	12	6		3	13	49
57	4/27	ambient	T465	30	44	42	44	42	40	42	42	36	41	39	34	42	39	30	38	36	22	37	36	26	34	33	20	29	29		31	27		21	12		14	1	53
57	4/27	ambient	T468	30	38	24	40	38	44	41	40	34	41	39	30	40	37	20	37	36	22	35	35	24	32	33	19	29	28	11	32	29		23	16		14	4	51
57	4/28	ambient	T948	30	41	34	43	42	40	45	44	37	44	43	33	44	39	21	40	38	21	39	37	26	35	35	29	32	32		33	32		24	18		17		54
57	5/8	ambient	T997	30	28	27	30	30	31	33	33	33	32	29	21	27	24	12	24	23	9	23	22	14	22	21	21	23	22	20	22	19	21	23	24	24	20		42
60	5/22	ambient	T1249	30	39	40	41	41	41	42	43	43	44	44	40	38	37	36	35	33	33	31	29	24	25	24	18	26	31	25	24	24	31	24	13		6		53
61	5/23	ambient	T512	30	32	33	33	34	33	33	36	33	35	32	27	29	24	11	24	26	13	23	22	11	21	21	20	25	32	38	40	43	40	22	21	12	9		49
61	5/23	ambient	T542	30	37	0	40	39	31	42	40	28	43	40	33	43	38	26	39	38	22	38	36	32	35	35	24	31	32	23	35	33		25	17		14		52
62	5/8	ambient	T818	30	32	33	33	32	32	33	33	34	31	31	28	30	26	23	23	23	8	23	22	10	21	21	12	21	22	22	31	37	27	28	38	30	19		45
62	5/8	ambient	T982	30	36		39	36	24	38	35		40	36	26	40	35	25	37	36	22	35	34	26	33	32	23	28	27	0	28	27	24	26	18	22	10		49
62	5/11	ambient	T1141	30	33	36	35	37	37	38	37	35	37	36	37	34	26	15	24	23	5	23	22	13	21	21	7	21	23	17	26	31	31	27	14	3	3		47
62	5/15	ambient	T1163	30	37	39	40	39	40	39	40	38	39	39	37	33	29	22	28	30	32	34	34	33	31	29	23	24	25	23	23	19	16	15	7	2	3		50
71	5/10	ambient	T549	30	38	36	37	36	34	33	33	33	34	32	27	28	25	19	27	27	23	27	25	18	23	22	13	22	20	12	20	16	4	11	6		1	24	46

73	4/26	ambient	T1005	30	34	33	34	33	31	34	34	33	35	36	35	32	28	22	28	28	23	27	25	18	23	22	13	20	19	7	19	16	8	13	7		3		45
73	5/4	ambient	T25	30	37	36	36	37	37	36	36	36	36	32	37	29	26	24	27	27	24	29	27	25	27	26	21	22	21	30	32	23	11	14	8		3		47
75	5/11	ambient	T511	30	33	33	35	37	37	37	38	38	41	39	38	34	30	28	27	25	13	24	23	14	22	22	9	20	20	12	22	20	8	13	6		2	9	48
75	5/15	ambient	T1082	30	23	6	25	21		25	23		27	22		26	21	1	22	22	15	27	28	29	30	28	23	25	24	22	25	23	19	18	11		2		39
75	5/18	ambient	T1078	30	30	29	33	32	33	33	33	35	35	34	31	31	28	22	28	28	27	30	29	26	26	24	16	21	24	24	25	22	31	27	16	12	7		45
80	4/28	ambient	T1993	30	35	36	36	37	37	38	39	39	38	36	34	32	29	28	31	34	37	39	40	39	37	35	31	28	25	15	21	18	1	12	7				50
80	5/12	ambient	T322	30	29	31	29	27	23	26	24	11	27	23	8	26	23	17	24	24	15	25	23	16	21	21	10	19	21	18	23	21	13	18	15	13	4		39
80	5/12	ambient	T496	30	28	28	29	28	22	26	23		28	24	11	27	22	17	24	23	12	25	24	17	22	21	9	19	22	17	22	22	15	18	14	11	5		39
80	5/16	ambient	T1074	30	39	38	39	40	38	38	37	35	34	32	26	28	25	21	28	28	24	27	25	16	23	24	22	23	25	23	22	20	11	16	10		2		48
80	5/19	ambient	T1170	30	33	34	36	37	37	38	38	37	37	39	39	33	27	19	27	27	22	27	25	19	23	22	16	24	27	27	27	21	3	14	8		9		48
81	5/2	ambient	T957	30	30	30	31	31	32	32	32	31	33	30	25	28	25	20	28	28	21	26	24	17	22	22	9	20	21	25	29	20	9	12	7		1		43
81	6/1	ambient	T1263	30	27	27	29	30	29	30	31	29	31	30	18	27	24	14	26	26	21	27	25	18	23	22	15	20	21	15	20	17		13	8	4	4		41
81	6/2	ambient	T1177	30	32	34	35	36	36	36	36	35	35	32	26	27	24	17	27	27	24	27	25	16	22	22	19	26	32	37	35	31	34	29	17		6		47
81	6/5	ambient	T500	30	30	35	35	42	38	41	40	38	38	37	32	30	27	22	28	28	23	27	25	16	22	22	12	19	21	25	32	30	38	27	16		6		49
82	5/24	ambient	T534	30	41	41	42	43	43	43	44	47	51	43	39	35	36	31	32	34	36	36	36	33	30	27	21	25	29	25	24	25	34	26	14		4	26	55
83	4/19	ambient	T577	30	39	36	40	44	46	43	47	42	42	40	33	38	38	24	35	34	24	35	34	28	34	33	22	28	28		25	25		17	11		10		54
83	5/4	ambient	T302	30	37	31	44	44	44	47	48	45	46	43	34	43	39	25	39	38	24	39	37	30	36	36	26	35	37	38	36	32	11	25	16		17	1	56
83	5/15	ambient	T1334	30	52	52	51	48	46	45	44	44	41	40	36	35	31	24	28	29	29	33	34	34	33	31	26	27	28	20	20	17		10	5		3		58
83	5/16	ambient	T64	30	41	41	40	39	38	41	42	45	44	41	37	40	35	23	35	34	21	34	34	25	33	31	22	28	28		27	25		18	9	17	12		53
84	4/26	ambient	T1142	30	31	32	34	34	35	35	36	37	37	36	32	31	29	27	31	31	28	29	27	20	23	22	11	21	24	26	26	23	24	23	10		3		46
87	5/17	ambient	T1076	30	36	38	40	39	39	39	37	37	37	40	36	30	28	17	25	24	7	23	22	12	22	21	12	21	27	24	28	28	5	13	7		2		49
88	5/16	ambient	T555	30	37	0	40	40	33	41	42	37	41	39	27	41	37	20	37	36	21	36	35	27	33	33	19	30	30	9	29	29	19	25	14		12		51
88	5/16	ambient	T568	30	34	37	38	38	38	38	38	36	36	35	35	31	27	19	25	23	14	25	24	17	22	22	13	20	22	21	25	23	23	23	10		2		48
99	5/5	ambient	T294	30	39		41	39	19	43	42		44	41	28	44	39	26	39	39	21	38	37	18	35	35	24	34	35	10	41	34	18	26	18		19	4	53
99	5/15	ambient	T1341	30	37	36	38	38	37	38	37	37	36	35	30	30	28	24	30	32	35	37	38	37	35	33	28	27	25	17	27	33	26	24	12		4		49
99	5/16	ambient	T74	30	39	30	40	39	27	39	38	27	40	37	23	39	35	21	36	35	22	34	33	20	33	32	10	30	30		32	29		24	15		12		49
99	5/23	ambient	T1362	30	42	37	46	43	29	47	45	30	48	45	35	48	43	32	44	43	27	43	42	36	40	39	26	36	36		38	38		30	23		18	14	57
103	5/5	ambient	T98	30	38	30	41	40	40	43	43	44	46	43	38	41	36	26	37	36	20	36	34	29	34	33	18	30	30		29	27		20	14		13		53
107	5/4	ambient	T1008	30	28	29	31	32	31	32	32	30	33	33	34	36	34	33	34	34	35	36	36	34	31	29	25	23	21	13	21	17	5	16	7		2		47
107	5/8	ambient	T1160	30	33	29	31	32	32	30	32	34	36	33	33	29	26	24	31	31	31	30	28	21	24	22	15	22	27	29	26	23	14	15	8		2		45
107	5/11	ambient	T532	30	40		42	40	25	43	42	38	45	42	32	45	40	31	42	40	30	41	39	30	38	37	21	32	32	6	30	28		23	16		15		54

107	5/15	ambient	T1073	30	31	34	35	36	34	33	34	33	33	33	33	29	25	16	25	24	15	24	23	11	21	21	11	22	23	19	27	35	16	16	10		3		45
118	5/24	ambient	T1109	30	32	31	30	26	19	26	25	20	27	23	3	27	22	11	26	29	33	36	38	38	36	34	30	30	36	36	31	31	25	29	17	12	9		47
121	5/24	ambient	T1108	30	29	27	28	26	16	25	22	9	27	22	4	26	22	9	25	27	31	34	36	37	35	33	31	29	28	29	30	35	26	27	32	14	9		45
121	5/30	ambient	T1260	30	36	35	37	38	36	36	36	35	36	34	31	32	26	21	29	31	33	34	34	32	30	27	20	22	21	2	19	17	9	13	8	6	3		47
122	5/8	ambient	T993	30	31	31	35	36	37	39	39	37	34	32	25	27	24	13	24	23	10	23	22	15	22	22	21	22	19	12	20	18	16	22	13	10	5		46
126	5/11	ambient	T1056	30	30	30	32	34	34	35	36	36	37	34	32	32	31	29	29	30	31	32	31	27	26	24	20	24	23	15	21	18		12	8		3		46
136	5/8	ambient	T1003	30	36	39	42	47	42	43	44	42	42	43	44	36	31	22	26	27	17	24	23	9	22	22	22	20	20	23	38	38	20	18	12		4		54
139	5/11	ambient	T507	30	37	19	40	39	27	41	38	29	41	39	31	41	36	24	38	37	24	36	35	25	33	34	17	29	29	22	32	27		22	17		12		50
139	5/11	ambient	T550	30	36	41	38	40	41	40	39	39	40	39	37	36	29	21	25	23	9	23	22	14	23	24	20	21	22	25	24	23	22	17	10		1	6	50
139	5/15	ambient	T565	30	41	41	41	41	40	39	40	40	38	38	34	32	30	29	33	35	38	39	40	40	38	35	32	30	30	22	22	19	3	14	9		1	18	52
148	5/1	ambient	T1080	30	37	35	35	35	33	32	31	28	31	30	27	28	25	19	29	30	31	33	32	28	27	25	17	22	22	17	22	21	20	31	19	16	9		45
152	6/7	ambient	T88	30	41	39	47	44	40	43	44	45	44	44	39	42	39	30	39	39	32	40	38	33	37	35	24	33	33	24	31	28	18	22	14		14		55
152	6/7	ambient	T91	30	41	42	46	44	42	43	43	42	43	42	38	42	40	31	38	38	29	39	37	31	36	35	23	32	31	4	31	29	7	21	15		12		54
152	6/8	ambient	T960	30	36	40	41	42	42	45	45	46	46	45	44	41	37	34	31	29	26	32	30	26	28	26	15	23	25	20	23	19	4	14	7		3		55
162	4/20	ambient	T1104	30	39	37	39	39	39	41	42	41	40	39	36	32	30	26	30	32	33	33	32	29	27	25	16	20	21	12	20	18	17	17	16	16	7		51
163	5/24	ambient	T516	30	39	36	41	41	36	46	47	35	42	40	31	42	38	23	39	38	27	40	39	34	38	36	25	33	32		32	29	6	35	20		15		54
171	5/8	ambient	T995	30	28	31	32	32	32	34	33	30	31	27	19	27	22	8	24	22	3	22	22	14	22	21	18	22	32	29	29	27	25	27	13		5		43
172	5/12	ambient	T1072	30	31	32	35	38	40	39	38	38	37	36	33	31	30	29	31	32	33	34	33	31	29	26	19	22	21	2	20	16	2	11	6		2		48
172	5/16	ambient	T1075	30	33	35	37	35	34	31	31	28	30	32	28	29	27	30	30	30	31	32	31	27	27	24	16	22	21	14	20	19	14	17	17	15	8		45
179	5/3	ambient	T1166	30	32	33	39	33	32	32	33	32	32	36	29	28	25	12	25	24	10	24	23	13	22	21	12	20	22	21	22	21	25	23	10		3		45
183	4/27	ambient	T1173	30	42	41	39	37	35	34	36	32	33	29	25	28	27	27	32	35	37	38	38	36	34	31	26	26	30	31	25	31	29	21	13	7	5		50
183	4/28	ambient	T950	30	41	39	41	41	31	43	43	34	44	41	27	44	38	19	40	38	27	39	38	29	36	36	26	33	33	4	33	34		24	18		17		53
184	5/18	ambient	T885	30	36	37	38	39	40	38	38	36	34	35	33	28	24	10	23	23	2	22	22	3	21	21	16	25	27	28	31	42	24	20	15		3		49
184	5/23	ambient	T991	30	24	9	26	24	10	26	22		27	23	11	27	21	7	23	24	17	29	29	28	28	25	18	22	22	14	21	18	17	29	15	4	5		39
184	5/25	ambient	T1467	30	33	33	32	31	27	29	27	23	27	23	10	27	22	13	25	25	24	31	31	30	30	27	22	25	27	28	26	21	7	18	12	5	3		43
189	5/24	ambient	T911	30	36	37	41	42	41	41	41	42	40	40	38	35	30	24	27	26	19	28	27	23	25	23	16	22	20	18	25	21	15	19	8		3		51
194	5/2	ambient	T552	30	34	36	36	35	36	35	33	31	33	33	23	28	26	22	30	32	32	33	32	29	27	25	18	22	23	23	28	27	27	19	9		1		46
197	5/17	ambient	T1168	30	31	33	34	35	34	33	32	29	31	33	29	29	25	21	28	30	31	32	32	29	27	25	15	21	22	17	24	22	31	28	13		3		45

197	5/22	ambient	T1253	30	35	37	37	39	37	38	36	39	36	34	34	37	36	33	33	31	30	31	29	26	27	25	29	36	37	35	29	25	23	21	16	9	5		49
198	4/28	ambient	T1992	30	37	38	39	39	40	40	40	39	36	34	30	29	28	24	30	32	32	33	33	31	29	27	18	21	20	3	18	16		11	5		1		50
203	4/12	ambient	T571	30	39	27	41	38	34	40	39	25	40	38	26	40	35	20	35	35	20	36	34	27	33	32		30	30		29	29		20	13		12		50
205	5/8	ambient	T996	30	44	45	41	40	38	36	35	33	32	31	24	28	26	23	29	29	24	27	26	21	25	31	29	27	21	18	25	26	17	19	14	11	7		50
206	5/10	ambient	T1138	30	36	37	38	40	40	42	41	41	42	41	40	40	35	34	30	28	23	28	28	24	26	26	27	30	30	28	31	41	22	20	15		4		52
206	5/24	ambient	T311	30	43	42	44	42	39	42	41	37	41	39	34	39	37	31	38	37	32	40	39	36	37	35	24	31	30		31	26	24	22	17	19	12	25	53
206	5/30	ambient	T1175	30	36	37	38	39	38	38	38	37	39	35	31	35	28	18	27	26	24	29	28	25	26	24	18	20	20	19	26	22	23	17	8	1	2		48
206	6/5	ambient	T82	30	31	33	34	35	35	35	36	35	38	37	31	31	30	29	31	27	17	25	24	17	23	22	11	19	18		18	14		12	8		2		46
207	5/2	ambient	T596	30	31	34	37	35	34	36	38	35	34	36	29	29	27	21	25	25	18	24	23	17	22	23	16	21	23	24	32	27	30	29	20	12	7		46
207	5/5	ambient	T1145	30	36	18	39	40	36	41	41	37	41	41	40	40	35	19	37	35	15	35	34	24	33	32	21	30	29		31	30		20	13		11		51
207	5/5	ambient	T1154	30	34	35	36	38	38	40	49	41	41	39	38	32	27	19	25	23	8	23	22	11	22	22	11	20	21	26	29	24	8	16	9		3		52
207	5/9	ambient	T1144	30	40	41	39	39	37	34	33	31	31	37	34	29	26	20	28	28	21	26	24	16	23	22	10	20	20	20	26	22	15	16	14	12	4		48
216	5/1	ambient	T595	30	31	28	31	31	28	30	28	23	30	26	16	28	24	16	26	25	17	26	25	20	24	23	13	21	22	24	27	26	21	16	7				41
216	5/8	ambient	T1184	30	32	34	32	32	26	27	25	17	27	30	32	31	35	21	25	23	14	23	22	15	23	24	21	27	32	29	26	25	19	16	11	5	4		43
221	5/18	ambient	T1050	30	38	41	42	40	43	42	41	40	39	37	33	30	29	25	30	31	32	33	32	29	27	25	18	24	30	30	27	31	37	21	14		3		51
221	5/22	ambient	T1171	30	35	36	39	47	41	43	44	44	46	43	41	37	37	37	34	32	31	30	28	25	25	24	20	25	28	30	25	25	30	20	14	15	15	13	54
221	5/24	ambient	T497	30	40	40	42	41	41	42	43	44	46	44	39	36	32	31	33	34	35	36	36	34	32	29	23	24	24	20	25	28	37	23	15		5	20	54
228	5/1	ambient	T490	30	35	28	41	40	32	43	41	33	44	41	29	43	39	28	39	39	25	38	37	32	36	35	25	33	33		34	34		24	16		17		53
228	5/1	ambient	T492	30	32	30	32	31	32	33	33	31	32	30	23	29	26	17	30	31	34	36	35	34	31	29	20	24	25	25	23	26	30	17	14	8	3		45
228	5/4	ambient	T819	30	33	27	39	35	30	38	39	32	38	35	26	36	31	21	33	32	15	33	30	22	29	29	17	28	32	31	34	43	25	23	15		8		49
232	5/10	ambient	T593	30	24	16	27	24	6	25	23	7	26	22	3	26	21	8	24	24	20	29	29	28	28	26	18	22	23	21	28	29	21	29	29	14	7		40
267	5/28	ambient	T313	30	40		41	41	27	42	40	25	43	40	23	43	39	28	39	39	25	39	38	29	36	36	21	34	34		33	32		24	18		17	6	52
267	5/29	ambient	T75	30	38	0	42	39	29	42	42	33	43	39	24	43	38	27	39	38	21	36	37	25	35	34	24	33	34		34	33		22	17		17		52
267	5/30	ambient	T27	30	46	27	47	45	39	47	46	33	48	45	33	48	44	30	43	42	22	42	42	31	41	40	31	39	40		36	35		29	22		21		57
267	6/7	ambient	T1246	30	45	40	47	51	41	45	46	36	46	44	27	44	41	31	42	41	30	42	41	34	39	38	29	35	34	5	33	32		25	21		20		57
267	6/8	ambient	T79	30	45	43	44	43	37	42	40	31	41	38	25	41	36	22	37	36	20	36	35	26	34	34	18	31	31	15	35	32	33	36	20		14		53
289	5/9	ambient	T1107	30	23		25	23		25	21		27	23	9	27	23	6	24	23	6	23	23	14	22	22	13	19	20	24	27	25	5	20	12		4		37
295	5/25	ambient	T498	30	37	39	39	38	41	39	40	39	39	37	34	33	30	31	33	36	39	40	41	40	39	36	32	29	29	20	26	25	17	28	27	18	11	20	52
296	5/4	ambient	T1994	30	35		38	37	18	38	37	29	40	36	19	39	34	24	36	35	22	36	35	28	33	32	20	30	29	19	30	28	21	22	11		11		49

CL	Date	Event Type	Event Dist. (m)	File #	Spec. #	Band SEL (dB) at 1/3 Octave Spectrum Center Frequencies (Hz)																																							Calc. Overa SEL
						10	13	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	
	7/11	Brad/tank	30	T1077	30	82	83	85	87	85	84	89	85	83	83	86	83	84	86	81	79	82	77	79	75	74	73	72	71	73	72	69	63	60	59	55	55	42	34	97
6	5/5	trucks	225	T975	30	63	72	65	68	76	71	73	71	72	77	76	56	52	50	47	46	46	49	50	51	52	51	50	48	46	41	40	44	17	30	24		18		83
6	5/9	trucks	264	T546	30	53	56	59	58	61	62	62	63	84	84	63	58	52	47	48	48	50	48	48	50	51	49	47	45	42	34	37	35	37	46	31		20	27	87
8	5/19	Hummv	20	T41	30	57	63	70	73	78	77	90	93	83	89	88	85	81	77	67	61	63	65	69	69	73	72	71	74	75	71	68	64	59	56	51	48	40	19	97
8	5/19	Hummv	20	T42	30	56	63	64	69	71	71	77	82	92	81	91	101	86	81	76	65	69	68	70	71	73	75	79	76	75	75	73	70	68	64	64	57	46	32	102
8	5/19	Hummv	20	T45	30	56	63	68	72	72	75	78	90	81	82	87	81	81	77	67	60	62	64	67	68	68	70	68	69	71	69	67	64	59	57	52	48	39	17	93
12	5/8	Dump truck	40	T999	8	65	65	65	65	64	64	65	65	64	62	59	50	49	46	43	42	37	42	42	41	42	42	39	38	36	22	32	29	9	24	19		16		75
12	5/12	Dump truck	40	T301	30	54	52	56	59	60	59	60	63	83	80	63	69	67	68	61	56	53	54	54	56	59	57	56	55	55	50	49	45	26	37	29		27	10	85
13	5/12	Hummv	40	T705	30	57	59	57	58	59	60	63	62	62	72	74	60	62	60	60	56	52	51	51	50	48	46	44	43	42	40	42	42	36	34	28		18	34	77
23	5/16	truck	15	T882	30	55	55	63	69	66	65	68	65	65	65	58	59	57	51	58	55	47	57	55	48	53	53	40	50	49	22	52	56	27	42	35		31		76
47	4/10	trucks	35	T843	30	66	69	70	71	76	79	87	82	83	103	92	82	86	79	80	76	77	79	81	83	85	85	86	87	86	82	76	73	66	56	54	50	47	46	104
47	4/10	trucks	35	T844	30	61	63	68	74	75	81	82	85	99	95	88	82	80	77	72	74	75	76	80	76	74	74	68	65	59	53	48	47	46	46	45	40	44	38	101
47	4/10	trucks	35	T845	30	60	65	68	72	79	83	90	95	102	98	99	92	88	88	81	79	78	78	81	80	80	80	80	81	78	75	73	68	62	56	50	46	45	44	106
47	4/10	trucks	35	T846	30	59	63	67	72	79	83	87	94	106	93	94	95	90	90	83	80	79	79	80	79	80	82	81	82	79	77	74	72	65	59	52	46	42	44	107
47	4/10	trucks	35	T847	30	63	65	66	70	80	83	84	91	105	92	99	98	87	86	80	76	74	79	82	78	79	80	79	77	76	74	70	66	62	59	51	45	42	42	107
57	4/28	Graders	50	T672	30	57	48	62	62	60	67	75	68	76	85	76	80	75	72	75	70	70	67	66	67	68	69	70	68	67	62	60	57	44	48	40		33	20	88
57	4/28	Graders	50	T673	30	60	59	64	63	59	67	74	68	76	83	79	81	73	71	72	68	68	67	68	68	69	71	71	70	70	65	62	60	44	50	42		36	26	88
57	4/28	Graders	50	T674	30	66	61	64	64	61	67	74	69	78	76	81	78	70	69	68	64	61	64	63	63	64	64	63	65	66	54	56	54	30	45	36		36	23	86
57	4/28	Graders	50	T675	30	60	52	62	62	59	69	75	70	81	75	88	81	72	73	73	68	67	69	67	70	70	70	70	68	65	63	62	57	32	48	39		34	20	91
57	4/28	Graders	50	T676	30	58	55	62	61	60	71	73	71	84	76	86	81	71	74	74	69	68	70	68	70	71	72	72	71	68	66	65	62	43	50	41		35	20	90
57	4/28	Graders	50	T677	30	61	56	63	60	59	70	72	69	85	77	80	77	70	74	74	68	67	68	68	69	71	72	72	69	67	63	61	60	29	47	39		37	20	88
57	4/28	Graders	50	T678	30	75	73	71	70	67	69	75	70	81	84	78	80	73	73	74	73	69	68	68	71	74	73	75	72	70	68	65	61	47	51	41		34	61	90
57	4/28	Graders	50	T679	30	60	54	63	59	55	66	72	67	77	80	73	73	70	68	68	68	61	63	63	65	68	68	70	67	65	61	59	57	27	45	37		35	27	85
57	5/3	vehicle	50	T20	30	56	50	58	57	65	59	66	66	63	74	86	75	65	64	60	57	53	56	57	58	60	60	60	60	58	57	56	51	43	43	35		29	14	87
57	5/3	vehicle	50	T21	30	55	50	56	61	61	63	66	65	71	87	83	71	67	62	61	57	52	56	57	59	60	60	61	59	60	59	57	53	44	44	35	36	32	14	89

57	5/3	vehicle	50	T22	30	53	52	59	64	58	63	68	68	80	81	76	72	69	66	65	61	60	59	60	63	62	62	62	63	62	59	57	54	46	47	41	35	34		85
57	5/3	dump truck	50	T23	30	54	48	59	63	64	65	69	80	93	84	65	70	65	67	57	57	53	56	56	54	56	57	54	57	56	50	51	47		44	35		31		94
57	5/3	Hummv	50	T24	30	58	59	59	59	59	62	64	69	71	83	79	75	74	68	65	64	60	58	58	56	56	55	56	56	55	54	52	51	49	47	44	41	32	14	86
62	5/8	Brad veh	180	T979	30	48		53	49		53	51	55	64	56	54	60	53	43	51	51	43	55	57	59	61	62	63	62	60	55	52	49	36	37	31		27		72
62	5/8	Brad veh	180	T980	30	50		52	51		53	52	58	65	62	63	59	55	49	54	52	47	58	60	62	63	67	67	68	65	61	58	54	33	41	34		29	12	76
62	5/8	Brad veh	180	T981	30	49	33	52	50		52	49	57	61	58	65	60	55	46	52	51	47	56	58	60	62	66	68	65	64	62	59	56	42	46	43		29	12	75
82	5/24	Graders	92	T535	30	57	56	56	60	64	73	78	77	66	65	63	63	58	54	48	47	50	50	51	54	60	58	55	54	52	48	43	43	51	41	30	6	21	44	82
82	5/24	Graders	92	T536	30	57	56	56	60	66	74	80	78	76	69	68	66	61	57	52	49	50	51	52	54	62	59	55	54	52	49	46	43	50	41	32	21	22	42	84
82	5/24	Graders	92	T537	30	52	54	56	57	67	75	79	85	80	70	74	68	61	56	50	49	51	54	54	56	58	56	57	54	51	51	48	44	50	42	32	2	22	33	88
82	5/24	Graders	92	T538	30	54	57	58	62	59	70	75	69	80	81	73	81	73	65	61	56	58	61	64	68	70	71	71	69	65	61	59	57	56	52	43	37	31	41	87
82	5/24	Graders	92	T539	30	55	56	59	61	60	73	76	74	86	82	73	81	73	65	60	56	58	61	65	68	69	71	71	69	67	62	59	57	56	51	44	38	32	23	90
82	5/24	Graders	92	T540	30	52	53	56	59	60	66	80	74	80	83	71	77	69	60	56	54	57	58	62	64	66	67	68	65	65	60	56	53	55	49	39	31	29	16	87
83	5/4	truck	30	T303	30	58	56	61	63	66	65	67	73	79	75	77	72	72	70	67	64	59	60	60	67	65	67	69	68	65	62	62	62	58	54	48	30	35	15	84
83	5/4	truck	30	T304	30	54	49	56	58	61	62	70	67	63	76	71	70	73	67	63	59	55	58	59	66	65	67	69	67	67	62	61	63	57	54	49	46	36	22	82
83	5/4	truck	30	T305	30	63	60	62	61	61	61	71	70	64	76	71	69	73	68	64	61	58	59	60	67	64	66	68	65	66	62	61	61	57	53	46	24	34	21	82
83	6/16	M-88	30	T1189	30	55	58	63	66	74	77	95	95	84	108	99	99	98	95	86	81	81	79	78	80	82	85	85	84	85	82	80	79	77	82	77	67	58	45	110
83	6/16	Brad veh	30	T1190	30	55	57	62	64	68	76	82	86	94	93	97	89	86	86	88	80	76	79	75	74	75	77	77	77	76	74	74	68	65	62	59	53	44	30	101
83	6/16	Brad veh	30	T1191	30	59	61	64	63	68	85	82	80	94	95	86	102	94	88	88	82	80	76	78	76	78	84	80	79	79	78	75	74	70	66	62	56	46	34	105
83	6/16	trucks	30	T1194	30	68	66	66	69	75	79	94	97	85	108	101	112	105	94	84	86	86	78	76	73	74	80	70	73	68	63	59	58	56	58	54	51	48	45	115
83	6/16	Brad veh	30	T1195	30	52	54	60	64	67	75	82	86	94	95	101	109	105	87	86	74	70	69	66	62	67	75	64	69	63	59	53	52	51	48	48	46	43	35	111
83	6/16	Brad veh	30	T1196	30	64	62	63	64	70	81	80	79	94	93	91	115	110	89	82	85	98	83	86	80	80	81	74	73	69	66	63	61	59	57	56	55	53	52	116
88	4/11	trucks	670	T824	30	66	70	74	78	78	83	87	86	92	82	79	81	77	74	71	72	72	75	75	74	72	71	62	64	62	48	59	56		48	42		40	56	95
139	5/11	Logging truck	34-138	T508	30	56	59	62	67	71	75	79	78	81	87	85	79	79	82	83	79	77	69	70	71	70	71	71	70	70	69	68	66	62	59	56	46	39	23	93
139	5/11	Logging truck	34-138	T510	30	53	43	56	55	61	61	61	61	77	85	71	66	75	70	67	63	59	61	61	63	64	64	64	62	60	57	53	49	37	40	33	13	29	13	86
152	6/7	truck	50	T86	30	64	63	64	65	72	76	77	75	81	83	83	87	76	67	62	60	59	61	62	67	69	67	67	65	65	62	59	55	45	44	35		30	16	91
152	6/8	truck	50	T963	30	50	53	55	59	63	61	64	63	66	66	62	68	67	55	47	45	42	44	45	46	48	51	50	49	47	37	42	42	19	31	23		18	10	75
197	5/2	trucks	30	T1254	5	42	44	42	46	58	55	61	62	63	66	70	64	64	64	63	62	58	62	55	53	54	51	50	50	45	42	40	38	37	36	34	30	21	2	75
197	5/2	trucks	30	T1254	6	41	42	43	48	55	53	59	58	57	59	63	59	59	60	56	55	54	56	51	51	49	48	46	46	42	41	38	37	36	35	33	30	27		70
197	5/2	trucks	30	T1254	7	41	40	42	45	52	51	54	57	57	57	58	57	56	57	53	52	52	55	49	49	47	47	43	43	40	41	37	36	36	34	32	27	22		67
197	5/22	trucks	30	T1254	1	25		22	24	32	31	39	42	45	44	51	46	48	48	44	45	48	46	44	41	37	38	39	38	37	35	30	28	29	25	25	16	9		58
197	5/22	trucks	30	T1254	2	23	39	36	38	50	48	51	55	56	56	64	60	62	62	59	59	62	58	57	55	52	56	56	54	53	49	45	43	43	41	42	39	29	12	72
197	6/12	trucks	30	T1254	3	46	47	44	47	55	52	58	63	63	64	74	68	69	69	65	66	62	65	63	61	60	64	63	60	59	54	51	49	48	47	47	44	35	14	79

197	6/12	trucks	30	T1254	4	45	48	44	48	58	54	58	62	66	69	74	68	67	70	67	64	59	66	62	60	57	60	58	56	53	48	45	43	42	40	39	36	27	10	79
206	5/25	truck	100	T526	30	59	61	63	64	82	77	76	81	92	89	82	85	77	72	73	66	63	66	64	67	71	72	71	71	66	64	62	58	50	47	39		33	39	95
206	5/25	truck	100	T527	30	55	58	63	62	79	75	79	80	92	85	81	84	77	72	69	67	64	66	65	67	69	71	70	68	66	63	61	57	48	46	37		31	17	94
206	5/25	truck	100	T529	30	56	58	64	63	67	77	76	83	93	84	80	89	81	70	69	65	62	61	62	65	68	69	68	68	65	62	60	55	44	45	37		31	38	95
206	5/25	truck	100	T530	30	56	58	61	61	71	79	76	90	93	83	84	90	81	73	72	67	63	64	63	68	70	68	72	70	67	65	61	58	50	48	40	12	32	21	97
206	5/25	truck	100	T531	30	55	56	60	60	66	78	74	84	97	79	78	90	79	70	71	65	62	62	62	63	66	69	67	66	64	61	59	54	43	45	37		32	18	98
207	5/2	trucks	392	T598	30	57	57	56	57	61	63	63	66	76	72	65	58	54	50	51	50	49	52	49	52	55	51	52	53	48	43	40	36	27	32	30	26	21	32	79
207	5/2	dump truck	392	T599	30	51	51	53	53	55	54	56	72	67	72	54	47	45	45	47	46	42	43	41	37	40	40	39	42	37	18	34	32	34	41	29	14	18	26	76
216	5/8	Brad veh	30	T791	30	51	56	59	63	69	80	76	89	97	83	85	95	91	86	87	82	76	75	76	77	80	82	81	78	78	76	73	70	67	64	60	54	44	32	101
216	5/8	Brad veh	30	T792	30	56	61	63	67	74	82	85	85	100	93	90	96	94	90	87	83	81	78	79	78	81	84	81	80	79	78	75	71	67	62	57	51	44	34	104
216	5/8	Brad veh	30	T793	30	54	55	60	63	68	80	82	82	89	100	84	88	95	83	84	81	78	76	76	76	77	79	78	78	77	75	72	68	65	61	57	54	46	30	102
216	5/8	Brad veh	30	T794	30	54	58	62	64	69	79	80	81	96	101	87	92	93	85	83	81	77	74	76	75	77	80	78	76	77	76	71	69	63	57	52	48	42	31	103
216	5/8	Brad veh	30	T795	30	53	57	60	64	67	75	81	80	84	103	90	86	91	83	85	80	77	74	75	78	77	80	80	78	77	76	71	68	63	56	52	46	39	30	103
216	5/8	Brad veh	30	T796	30	57	55	61	65	67	77	80	79	87	102	85	85	91	83	83	80	77	75	80	77	78	80	78	78	75	74	69	66	61	57	52	47	41	27	103
216	5/8	Brad veh	30	T798	10	44	44	45	46	49	56	62	60	61	74	63	65	73	62	66	59	54	53	54	56	56	58	59	57	55	54	49	45	39	34	25		21	17	78
216	5/8	Brad veh	30	T798	30	56	59	61	64	69	80	84	82	91	101	87	86	92	85	88	83	79	81	79	80	81	83	82	81	80	78	74	70	65	60	54	49	42	34	103
216	5/8	Brad veh	30	T799	30	52	47	57	58	62	71	75	71	74	90	80	76	83	74	77	71	66	66	66	69	69	69	69	68	65	63	60	56	52	47	40	27	32	21	92
216	5/8	Brad veh	30	T800	30	55	56	60	65	71	82	77	94	92	86	95	96	94	88	87	82	79	77	79	77	79	82	79	78	77	75	72	68	63	59	54	53	43	32	102
216	5/8	Brad veh	30	T801	30	56	57	60	62	70	79	78	90	94	87	88	95	88	87	86	82	78	78	77	76	80	81	80	79	79	77	74	71	66	61	55	49	41	35	100
216	5/8	LMTV	30	T802	30	53	50	55	57	59	62	69	67	72	76	73	67	74	68	66	60	58	59	58	67	64	65	71	67	66	65	64	60	56	52	46	34	33	17	83
216	5/8	Brad veh	30	T804	30	58	59	63	62	69	80	79	89	98	85	87	96	91	88	86	82	80	78	78	78	80	80	80	78	78	75	73	69	64	60	54	49	41	31	102
216	5/8	Brad veh	30	T805	30	55	57	62	64	72	83	81	90	101	87	89	99	91	94	90	86	84	81	82	82	84	84	84	84	84	82	79	76	72	67	61	56	46	38	105
216	5/8	Brad veh	30	T806	30	55	53	59	61	70	78	79	81	96	100	84	91	93	87	83	82	79	79	78	76	78	79	79	79	79	77	74	71	67	63	57	51	42	34	103
216	5/8	Brad veh	30	T807	30	55	54	59	60	68	82	79	82	97	84	86	93	86	89	86	82	80	79	78	78	79	80	80	80	79	77	74	71	66	60	54	48	41	32	100
216	5/8	Brad veh	30	T808	30	60	60	61	63	70	81	78	81	94	90	85	93	88	86	82	79	78	76	76	74	76	78	77	76	75	74	71	69	64	59	53	47	39	46	99
216	5/8	Brad veh	30	T809	30	55	57	62	62	71	81	80	82	98	87	86	94	89	85	83	80	78	78	77	76	77	79	77	77	77	75	73	70	65	61	56	49	41	32	101
216	5/8	Brad veh	30	T810	30	57	58	62	65	72	82	82	85	101	92	87	97	91	92	89	85	83	81	81	79	81	82	80	80	80	77	74	71	67	63	58	52	44	35	104
216	5/8	Brad veh	30	T811	30	55	58	61	63	70	82	80	81	99	99	85	95	92	91	87	84	82	80	83	79	81	82	81	79	79	77	73	70	65	61	55	50	42	34	104
216	5/8	Brad veh	30	T812	30	54	55	58	65	71	78	83	87	98	95	87	94	95	88	84	82	81	78	77	77	80	81	80	79	79	77	74	71	66	60	54	49	41	31	103

216	5/8	Brad veh	30	T813	30	55	59	61	65	72	81	82	84	98	102	87	93	94	89	88	84	83	81	81	81	81	82	81	80	80	79	75	72	67	63	57	52	43	38	105
216	5/8	Brad veh	30	T814	30	57	58	62	66	72	78	78	83	94	93	88	89	88	89	94	88	82	81	79	80	79	80	84	87	84	84	83	81	76	71	65	58	47	48	101
216	5/8	Brad veh	30	T815	30	56	60	66	69	76	81	81	98	94	93	104	96	93	98	93	86	85	83	84	83	85	88	87	87	88	85	83	80	78	74	77	65	52	39	107
216	5/8	Brad veh	30	T816	30	57	56	63	64	70	72	73	86	79	86	99	91	81	82	76	72	68	66	68	73	74	73	75	74	73	71	70	67	65	61	58	54	43	26	100
216	5/8	truck	30	T1185	30	37		41	36		42	42	42	48	52	52	49	54	49	47	44	45	48	49	58	57	59	65	63	62	59	58	57	54	52	46	40	31	17	71

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14. ABSTRACT

It is estimated that nearly a quarter of the remaining Red-cockaded Woodpecker (RCW) population resides on 16 military installations in the southeastern United States. Such a close association has led to increased conflicts between TES conservation requirements and the military's mission of maintaining a high degree of combat readiness. Increased importance has been placed on determining how noise affects these species. The primary research objective of this multiyear study is to determine the impact of certain types of training noise on the endangered RCW. A second objective is to develop and disseminate cost-effective techniques for documenting the effects of training noise on TES populations.

During this third year of study of the impacts of training noise on the RCW, we observed and documented experimental training noise events and the resulting RCW responses under realistic conditions. Both proximate response behavior and nesting success were measured. We also observed RCW behavior and nesting success for groups where noise stimuli were absent or minimal, to provide an undisturbed behavior baseline to judge response and impact against. No significant differences in nesting success or productivity were found between experimentally disturbed and relatively undisturbed RCW groups.

15. SUBJECT TERMS
red-cockaded woodpecker (RCW) military training natural resource management noise
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